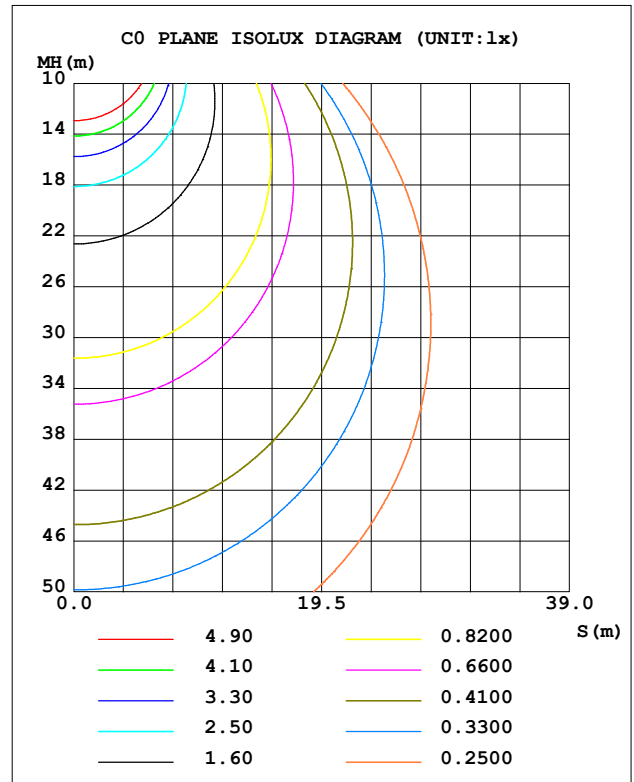
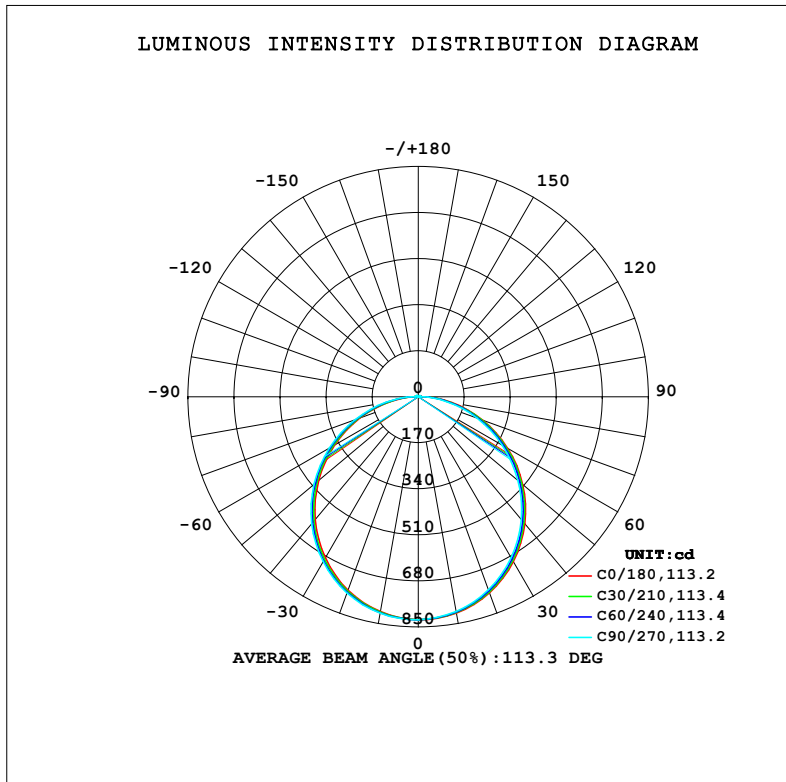


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	95EL218130W/WH	Imax (cd)	823.1	S/MH (C0/180)	1.24
NOMINAL POWER (W)	30	LOR (%)	102.2	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	2451.6	η UP, DN (C0-180)	0.7, 49.8
NOMINAL FLUX (lm)	2400	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.8
LAMPS INSIDE	1	η up (%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	100.6	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	810.7	808.0	804.9	806.6	805.5	808.4	811.2	809.7	0- 10	77.84	77.84	3.18,3.24
20	770.0	765.1	758.7	760.8	759.6	765.5	770.8	768.3	10- 20	222.9	300.8	12.3,12.5
30	702.5	695.6	686.3	688.4	687.0	695.9	703.3	700.2	20- 30	337.8	638.6	26,26.6
40	612.0	603.7	591.7	593.1	592.1	603.1	612.4	609.9	30- 40	407.3	1046	42.7,43.6
50	503.5	494.2	480.5	480.0	479.9	491.8	502.7	501.8	40- 50	423.5	1469	59.9,61.2
60	381.6	372.2	358.1	355.0	356.0	367.6	379.2	381.2	50- 60	385.9	1855	75.7,77.3
70	252.9	244.4	231.1	225.6	227.5	237.3	248.8	253.7	60- 70	301.7	2157	88,89.9
80	126.7	120.3	108.8	101.8	104.4	111.2	121.7	128.7	70- 80	186.8	2344	95.6,97.7
90	30.67	26.55	21.90	18.82	19.94	22.03	26.80	32.40	80- 90	70.58	2415	98.5,101
100	10.74	7.902	8.899	11.20	11.11	11.06	11.06	8.958	90-100	14.48	2429	99.1,101
110	6.512	4.505	5.103	9.314	9.873	9.281	9.971	4.450	100-110	8.916	2438	99.4,102
120	4.919	6.048	6.666	7.780	7.589	7.791	8.851	5.926	110-120	6.959	2445	99.7,102
130	6.615	5.491	8.388	6.598	6.921	6.527	8.009	6.182	120-130	6.066	2451	100,102
140	0	0	0	0	0	0	0	0	130-140	0.7038	2452	100,102
150	0	0	0	0	0	0	0	0	140-150	0	2452	100,102
160	0	0	0	0	0	0	0	0	150-160	0	2452	100,102
170	0	0	0	0	0	0	0	0	160-170	0	2452	100,102
180	0	0	0	0	0	0	0	0	170-180	0	2452	100,102
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1259.1 lm

%lum = 51.4%

%lamp = 52.5%

Conical surface Flux(130deg): 2019.1 lm

%lum = 82.4%

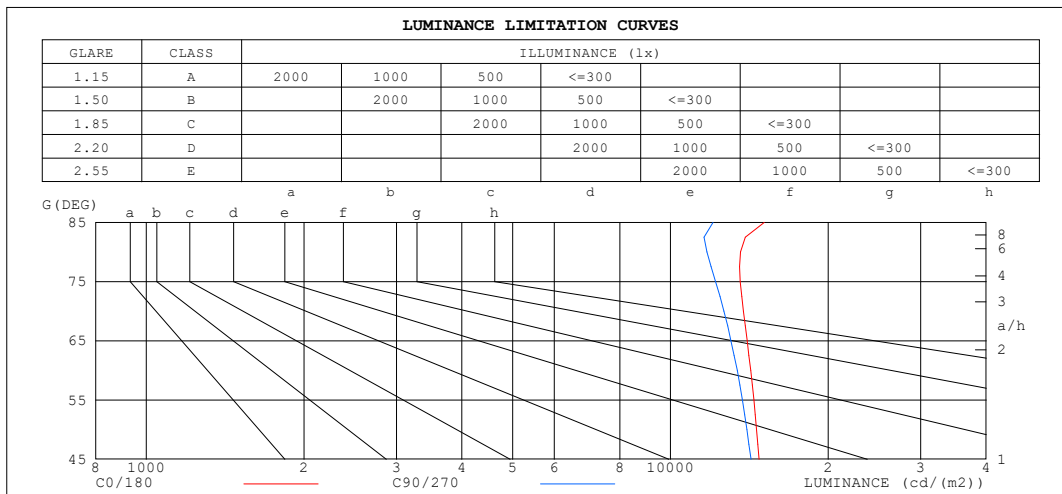
%lamp = 84.1%

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15080	12045
80	13596	11730
75	13584	12196
70	13775	12646
65	14001	13046
60	14219	13403
55	14420	13717
50	14593	13991
45	14749	14237

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

```

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

```

WEC AND CCEC

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.331	.188	.060	.323	.184	.059	.308	.177	.057	.295	.170	.055	.283	.164	.053	
2.0	.306	.168	.051	.299	.165	.051	.287	.159	.049	.275	.154	.048	.264	.149	.047	
3.0	.281	.150	.045	.275	.147	.044	.264	.143	.043	.253	.139	.043	.243	.135	.042	
4.0	.258	.134	.039	.253	.132	.039	.243	.129	.038	.233	.125	.038	.225	.122	.037	
5.0	.238	.121	.035	.233	.120	.035	.224	.117	.034	.216	.114	.034	.208	.111	.033	
6.0	.220	.110	.032	.216	.109	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030	
7.0	.205	.101	.029	.201	.100	.029	.194	.098	.028	.187	.096	.028	.180	.094	.028	
8.0	.191	.093	.026	.187	.092	.026	.181	.090	.026	.175	.089	.026	.169	.087	.025	
9.0	.179	.086	.024	.176	.086	.024	.170	.084	.024	.164	.082	.024	.159	.081	.023	
10.0	.168	.080	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.197	.171	.148	.169	.147	.127	.115	.101	.088	.066	.059	.051	.021	.019	.017	
2.0	.189	.147	.111	.162	.126	.096	.111	.087	.067	.064	.051	.039	.021	.016	.013	
3.0	.181	.129	.087	.155	.111	.076	.107	.077	.053	.062	.045	.031	.020	.015	.010	
4.0	.173	.115	.071	.149	.100	.062	.102	.069	.043	.059	.041	.026	.019	.013	.008	
5.0	.166	.105	.060	.142	.091	.052	.098	.063	.037	.057	.037	.022	.018	.012	.007	
6.0	.158	.096	.052	.136	.083	.045	.094	.058	.032	.054	.034	.019	.018	.011	.006	
7.0	.151	.089	.046	.130	.077	.040	.090	.054	.028	.052	.032	.017	.017	.010	.006	
8.0	.144	.083	.041	.124	.072	.036	.086	.051	.026	.050	.030	.015	.016	.010	.005	
9.0	.138	.078	.038	.119	.068	.033	.082	.048	.023	.048	.028	.014	.016	.009	.005	
10.0	.132	.074	.035	.114	.064	.031	.079	.045	.022	.046	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: 95EL218130W/WH					TYPE:					WEIGHT: 1				
SPEC.:					DIM.: F300 x 50					SERIAL No.: 0				
MFR.: Elmark Industries JSC					SUR.: round					Shielding Angle:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3				
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3				
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
Room dimensions					Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.0	20.6	19.3	20.8	21.0	18.8	20.3	19.1	20.6	20.8				
3H	20.7	22.1	21.0	22.4	22.7	20.4	21.8	20.7	22.1	22.3				
4H	21.4	22.8	21.8	23.1	23.4	21.1	22.4	21.4	22.7	23.0				
6H	22.1	23.3	22.4	23.6	23.9	21.6	22.9	22.0	23.2	23.5				
8H	22.3	23.5	22.7	23.8	24.2	21.8	23.0	22.2	23.3	23.7				
12H	22.5	23.7	22.9	24.0	24.3	21.9	23.1	22.3	23.4	23.8				
4H 2H	19.6	21.0	20.0	21.3	21.6	19.5	20.8	19.8	21.1	21.4				
3H	21.5	22.7	21.9	23.0	23.4	21.3	22.4	21.6	22.8	23.1				
4H	22.4	23.5	22.8	23.8	24.2	22.1	23.2	22.5	23.5	23.9				
6H	23.2	24.1	23.6	24.5	24.9	22.7	23.7	23.2	24.1	24.5				
8H	23.5	24.4	23.9	24.8	25.2	23.0	23.9	23.4	24.3	24.7				
12H	23.7	24.6	24.2	25.0	25.4	23.2	24.0	23.7	24.4	24.9				
8H 4H	22.7	23.6	23.1	24.0	24.4	22.4	23.3	22.9	23.7	24.1				
6H	23.6	24.4	24.1	24.8	25.3	23.3	24.0	23.7	24.5	24.9				
8H	24.1	24.7	24.5	25.2	25.7	23.6	24.3	24.1	24.7	25.2				
12H	24.4	25.0	24.9	25.5	26.0	23.9	24.5	24.4	25.0	25.5				
12H 4H	22.7	23.5	23.2	24.0	24.4	22.5	23.3	22.9	23.7	24.1				
6H	23.7	24.4	24.2	24.8	25.3	23.4	24.0	23.9	24.5	25.0				
8H	24.2	24.8	24.7	25.2	25.8	23.8	24.4	24.3	24.8	25.3				
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2								
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3								
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3								

CIE Pub.117, 2400 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)
Area: 0.05345 m2

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

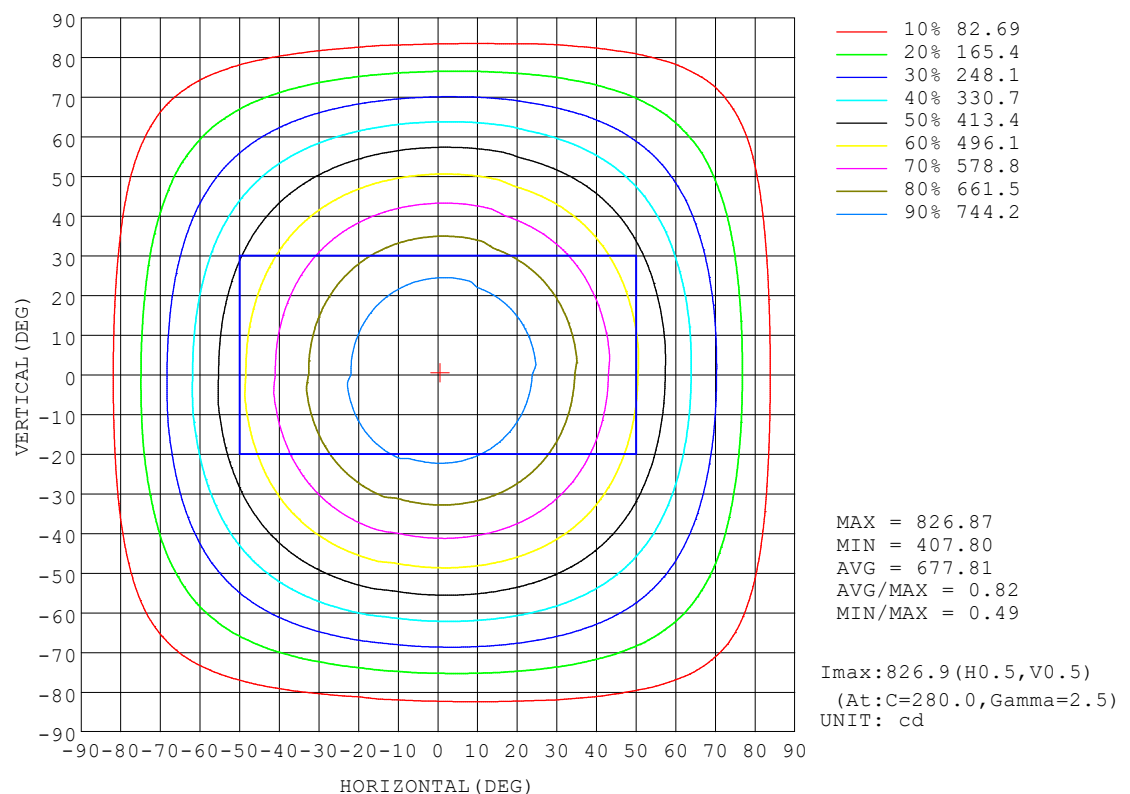
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	38	57	45	38	56	45	38	31
0.80	68	56	48	67	55	48	65	54	47	40
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	82	72	64	79	70	64	56
1.50	89	78	71	87	77	70	83	75	69	61
2.00	96	86	80	94	85	79	90	83	77	69
2.50	100	91	85	97	90	84	93	87	82	73
3.00	103	96	90	101	94	89	96	91	86	77
4.00	107	101	96	105	99	95	100	96	92	82
5.00	110	105	100	107	103	99	102	99	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

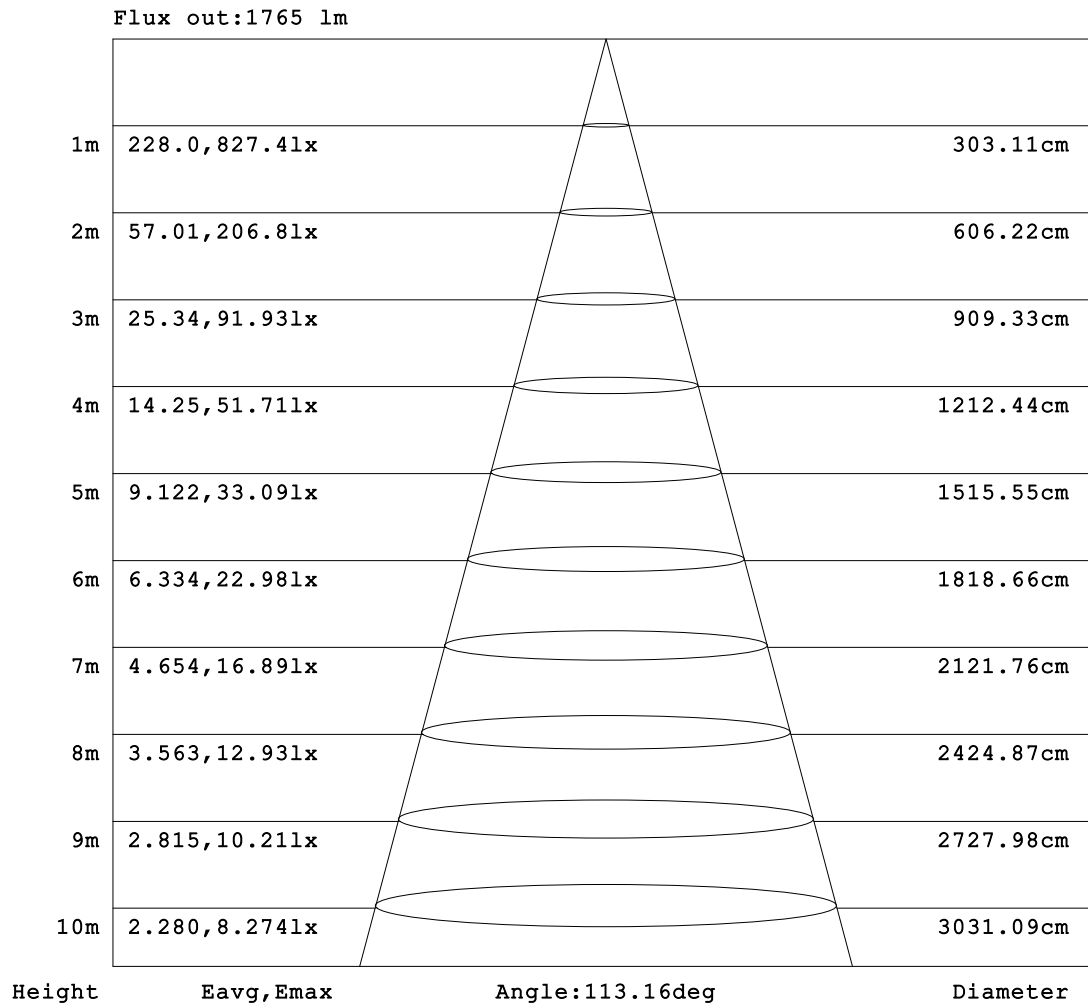


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.340m [K=1.0000]
 Remarks:

AAI Figure

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



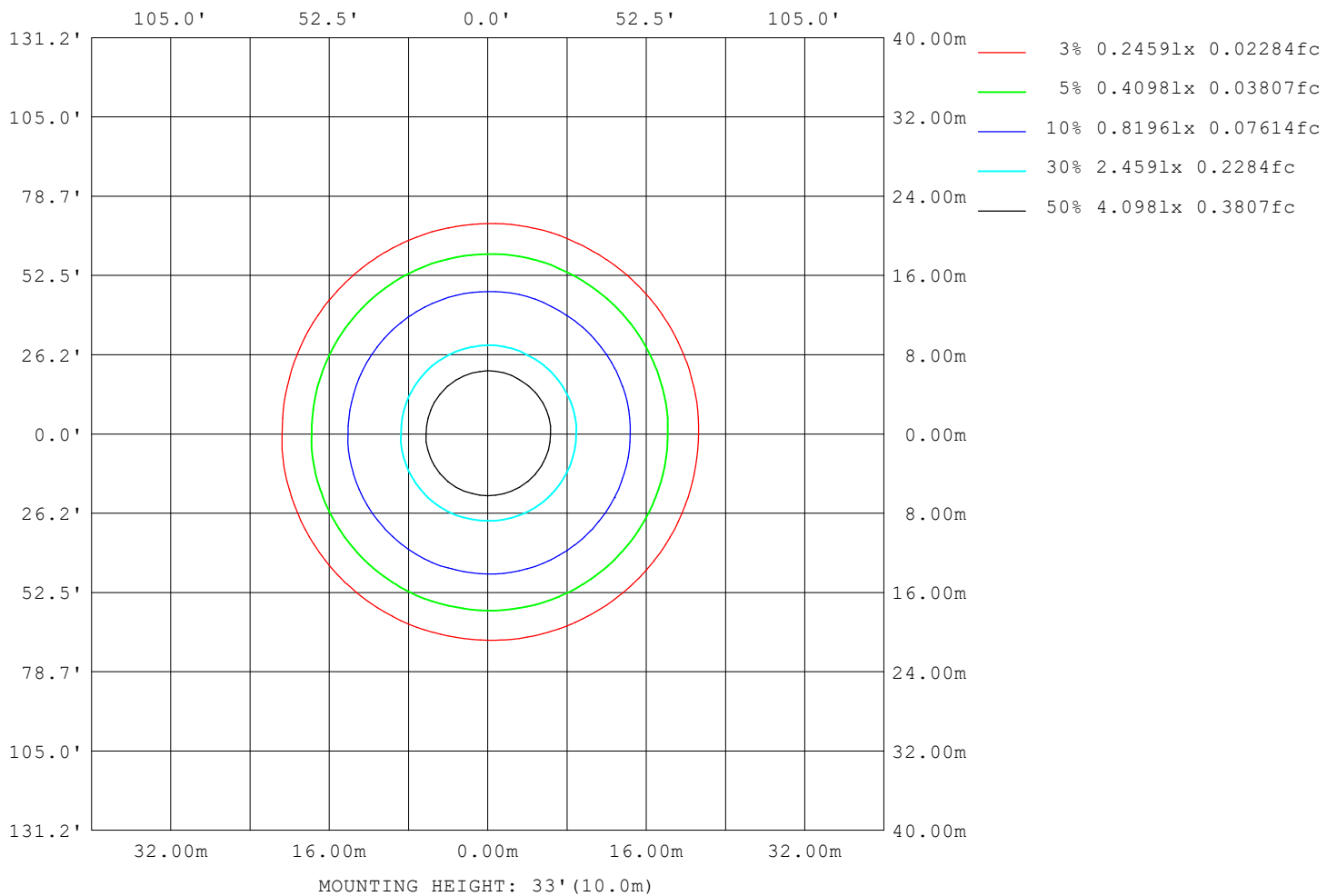
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

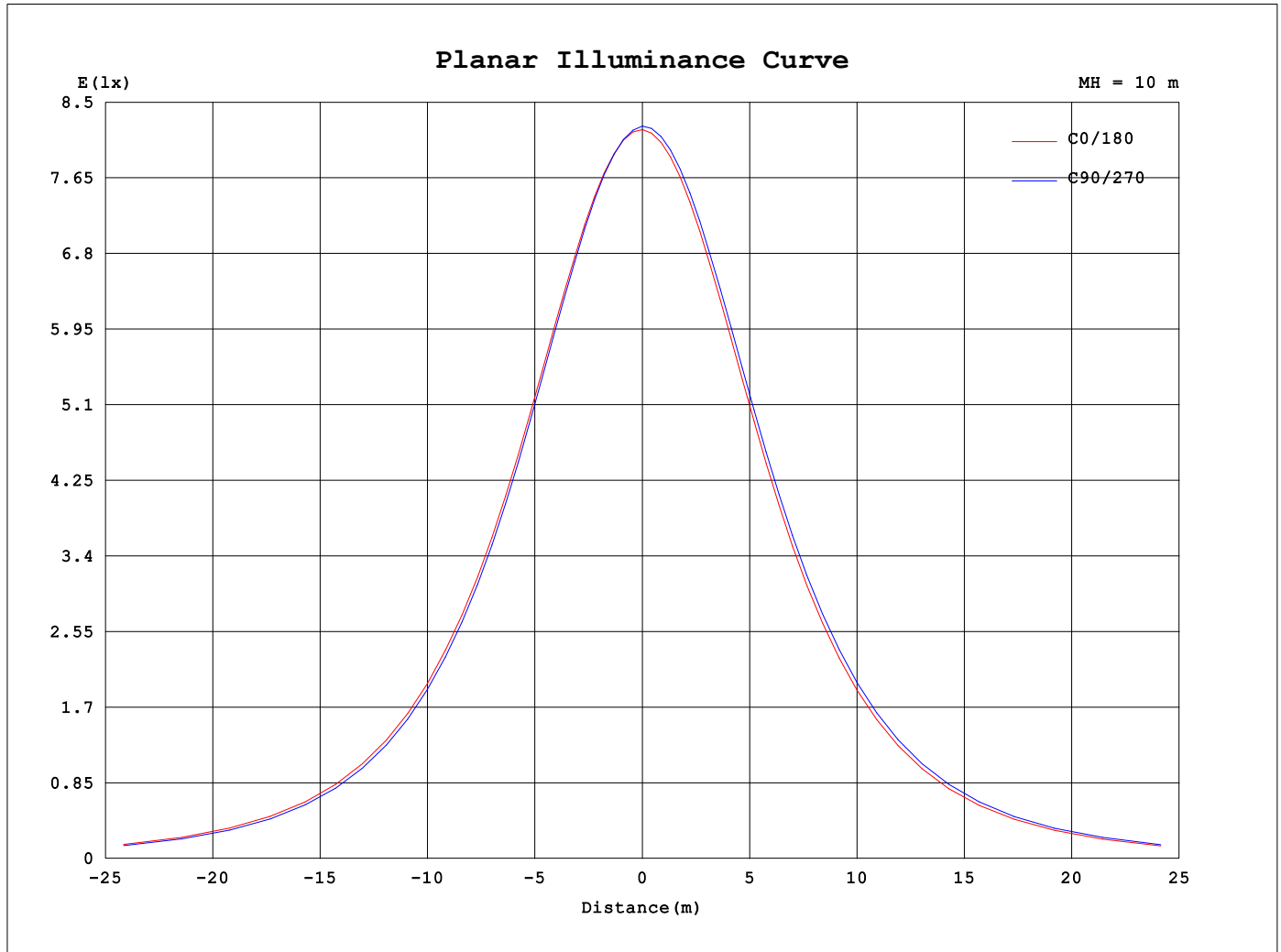
AvgL	cd/m2
L_0~180 (65) av	13490
L_0~180 (75) av	12779
L_0~180 (85) av	13197
L_90~270 (65) av	13478
L_90~270 (75) av	12741
L_90~270 (85) av	13117
L_45 (65) av	13495
L_45 (75) av	12770
L_45 (85) av	13182

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823
5	820	820	820	820	820	820	819	819	819	819	819	819	818	818	818	818	818	818	817
10	811	811	810	810	810	809	809	809	808	808	808	807	807	806	806	806	805	805	805
15	794	794	793	793	792	792	791	791	790	790	789	789	788	788	787	787	786	786	785
20	770	770	769	769	768	768	767	766	765	765	764	763	763	762	761	761	760	759	759
25	739	739	738	738	737	737	736	735	734	733	732	732	731	730	729	728	727	726	726
30	703	702	701	701	700	699	698	697	696	696	694	694	692	691	690	689	688	687	686
35	660	660	659	658	657	656	655	654	653	652	651	650	648	647	646	645	644	643	641
40	612	612	611	610	609	608	607	606	605	604	602	601	600	598	597	596	594	593	592
45	560	560	558	558	556	556	554	553	552	551	549	548	546	545	544	542	541	540	538
50	504	503	502	501	500	499	498	497	495	494	493	491	490	488	487	485	483	482	481
55	444	444	442	442	440	440	438	437	436	434	433	431	430	428	427	425	423	422	420
60	382	381	380	380	378	378	376	375	373	372	371	369	367	366	364	363	361	360	358
65	318	317	316	316	314	314	312	311	310	309	307	306	304	302	301	299	298	296	295
70	253	253	252	251	250	249	248	247	245	244	243	242	240	239	237	236	234	233	231
75	189	189	187	187	186	185	184	183	182	181	180	179	177	176	174	173	171	171	169
80	127	127	126	126	124	124	123	122	121	120	119	118	116	116	114	113	111	111	109
85	70.5	70.3	69.6	69.3	68.5	68.0	67.1	66.5	65.6	64.9	63.8	63.1	62.0	61.1	60.0	59.1	58.0	57.2	56.1
90	30.7	30.5	30.0	29.8	29.2	28.8	28.2	27.7	27.1	26.5	25.9	25.4	24.8	24.3	23.7	23.3	22.7	22.4	21.9
95	10.9	10.8	10.7	10.5	10.4	10.3	10.2	10.05	10.01	9.93	9.93	9.87	9.92	9.85	9.76	9.83	9.95	9.99	10.1
100	10.7	10.7	10.5	10.2	9.85	9.21	8.57	7.94	7.80	7.90	7.82	7.67	7.67	7.56	7.51	7.94	8.31	8.64	8.90
105	8.88	8.81	8.58	8.24	7.70	7.05	6.53	5.90	5.18	4.39	3.74	3.61	3.75	4.18	4.90	5.45	5.94	6.35	6.49
110	6.51	6.27	6.00	5.68	5.35	4.92	4.38	4.01	4.17	4.50	4.59	4.51	4.74	4.89	4.68	4.67	4.96	5.10	5.10
115	5.42	5.35	5.24	5.12	5.08	4.92	5.14	5.13	4.68	4.55	4.67	5.01	5.25	5.44	5.76	6.20	6.51	6.56	6.57
120	4.92	5.05	5.11	5.24	5.23	5.33	5.18	5.32	6.12	6.05	5.56	5.42	5.46	5.57	5.80	6.07	6.34	6.56	6.67
125	5.66	5.80	5.83	5.85	5.74	5.51	5.35	5.22	5.61	5.94	6.45	6.78	6.72	6.57	6.53	6.74	7.08	7.16	7.19
130	6.62	6.69	6.54	6.38	6.15	6.02	5.89	5.75	5.27	5.49	6.05	6.23	6.92	7.34	7.66	7.67	8.03	8.35	8.39
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823
5	817	817	817	817	818	819	818	818	818	818	818	818	818	818	818	818	818	818	818
10	805	804	804	804	807	807	807	806	807	806	806	806	806	806	806	806	806	806	806
15	785	784	784	784	788	788	787	787	787	787	787	786	786	786	786	786	786	786	786
20	758	757	757	757	762	762	761	761	761	761	760	760	760	760	760	760	760	760	760
25	725	724	724	724	729	729	728	728	728	727	727	727	727	727	727	727	727	726	727
30	685	684	684	684	690	689	689	689	688	688	688	688	688	688	688	688	688	687	688
35	640	639	639	638	645	644	644	643	643	643	643	643	643	642	643	643	643	642	643
40	591	589	589	588	594	594	593	593	593	593	593	592	593	593	593	593	593	592	593
45	537	535	535	540	540	539	539	538	539	538	538	538	538	538	539	539	539	538	539
50	479	478	477	482	481	481	480	480	480	480	480	480	480	480	481	481	481	480	481
55	419	417	416	420	420	419	419	419	419	418	419	419	419	419	420	420	421	419	420
60	357	355	354	356	356	356	355	355	355	355	355	355	356	356	357	357	358	356	357
65	293	292	291	292	291	291	291	290	290	290	290	290	291	291	292	292	293	292	292
70	230	228	227	227	227	226	226	225	226	225	226	226	226	226	227	228	229	227	228
75	168	166	166	163	163	162	163	162	162	162	163	162	163	163	164	164	166	165	165
80	108	106	106	102	102	102	102	101	102	101	102	102	103	102	104	104	105	104	104
85	55.3	54.1	53.4	50.5	50.4	50.2	50.3	50.1	50.3	50.3	50.6	50.7	51.3	51.4	52.1	52.4	53.1	52.4	52.6
90	21.6	21.1	20.8	19.1	19.1	18.9	18.9	18.7	18.8	18.8	18.9	18.9	19.2	19.2	19.5	19.7	20.1	19.9	19.9
95	10.1	10.3	10.4	11.0	11.1	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.2
100	8.94	8.91	8.82	10.8	11.0	11.1	11.1	11.2	11.2	11.2	11.2	11.3	11.2	11.3	11.2	11.2	11.0	11.1	11.0
105	6.53	6.33	5.92	9.90	10.0	10.2	10.3	10.5	10.5	10.6	10.6	10.5	10.4	10.3	10.2	10.3	10.6	10.9	10.6
110	5.15	5.14	4.81	9.16	9.19	9.31	9.32	9.35	9.31	9.36	9.49	9.53	9.39	9.32	9.21	9.37	9.75	9.87	9.61
115	6.60	6.58	6.35	8.58	8.62	8.63	8.58	8.58	8.46	8.41	8.40	8.53	8.57	8.51	8.36	8.30	8.52	8.63	8.32
120	6.67	6.64	6.44	8.22	7.88	7.98	7.95	7.92	7.78	7.67	7.47	7.38	7.24	7.17	7.16	7.48	7.68	7.59	7.51
125	7.23	7.19	6.99	7.98	7.60	7.24	7.09	7.10	7.00	6.89	6.71	6.62	6.53	6.51	6.65	7.00	6.98	7.00	7.01
130	8.42	8.32	7.94	7.55	7.36	7.14	6.91	6.71	6.60	6.53	6.42	6.32	6.22	6.18	6.23	6.50	6.72	6.92	6.63
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823
5	818	818	819	819	819	819	819	819	820	820	820	820	820	820	820	821	821	821	821
10	806	807	807	807	808	808	808	808	809	809	810	810	810	810	811	811	811	812	812
15	787	788	788	789	789	789	790	791	791	791	792	793	793	793	794	794	794	795	795
20	761	761	762	763	764	764	765	766	766	767	768	768	769	769	770	770	771	771	772
25	728	729	730	730	731	732	733	734	735	736	737	737	738	739	739	740	740	741	741
30	689	690	691	692	693	694	695	696	697	698	699	700	701	701	702	703	703	704	705
35	644	645	646	647	649	649	651	652	653	654	655	656	657	658	659	660	660	661	662
40	594	595	597	598	599	600	602	603	604	606	607	608	609	610	611	611	612	613	614
45	540	541	543	544	545	546	548	549	551	552	553	554	556	557	558	558	559	560	561
50	482	483	485	486	488	489	491	492	493	495	496	497	499	499	501	502	503	503	505
55	422	422	424	425	427	428	430	431	433	434	435	436	438	439	440	441	442	443	444
60	358	359	361	362	364	365	366	368	369	371	372	373	375	376	377	378	379	380	381
65	294	295	296	297	299	300	302	303	304	305	307	308	310	311	312	313	314	315	317
70	229	230	231	232	234	235	236	237	239	240	242	242	244	245	247	247	249	250	251
75	166	166	168	168	170	171	172	173	175	175	177	178	179	180	182	182	184	185	186
80	106	106	107	107	109	109	111	111	113	113	115	116	117	118	120	120	122	122	124
85	53.2	53.5	54.2	54.6	55.4	55.9	57.0	57.6	58.7	59.4	60.6	61.3	62.5	63.2	64.3	64.9	66.1	66.8	68.1
90	20.2	20.2	20.6	20.7	21.1	21.3	21.7	22.0	22.6	22.9	23.5	23.8	24.4	24.9	25.5	26.0	26.8	27.4	28.3
95	11.2	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.2	11.1	11.2	11.1	11.2	11.2	11.2	11.2	11.2	11.2
100	11.1	11.2	11.1	11.1	11.1	11.1	11.0	11.1	11.0	11.1	11.0	11.1	10.9	11.0	11.0	11.1	11.1	11.1	11.0
105	10.3	10.1	10.2	10.4	10.5	10.6	10.5	10.5	10.5	10.4	10.3	10.2	10.1	10.3	10.5	10.6	10.6	10.5	10.3
110	9.23	9.15	9.23	9.36	9.42	9.40	9.25	9.28	9.29	9.35	9.35	9.32	9.29	9.54	9.77	9.99	9.97	9.93	9.60
115	8.18	8.36	8.44	8.49	8.37	8.30	8.29	8.43	8.50	8.61	8.63	8.69	8.66	9.03	9.31	9.41	9.38	9.36	9.13
120	7.25	7.12	7.13	7.25	7.33	7.47	7.63	7.79	7.88	8.00	7.97	7.95	8.27	8.69	8.82	8.87	8.85	8.85	8.76
125	6.79	6.56	6.47	6.52	6.56	6.74	6.88	7.04	7.08	7.12	7.22	7.66	8.00	8.30	8.35	8.41	8.40	8.41	8.29
130	6.39	6.32	6.31	6.28	6.28	6.38	6.45	6.53	6.61	6.85	7.15	7.47	7.65	7.81	7.98	8.02	8.01	8.00	7.87
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823				
5	821	821	820	820	820	820	820	820	820	820	820	820	820	820	820				
10	812	812	809	809	809	810	810	810	810	810	810	811	811	811	811				
15	795	795	791	792	792	792	792	793	793	793	793	794	794	794	794				
20	772	772	766	767	767	768	768	769	769	769	769	770	770	770	770				
25	741	741	735	736	736	737	737	738	738	739	739	740	740	740	740				
30	705	704	698	699	699	700	700	701	701	702	702	703	703	703	703				
35	662	662	655	656	656	657	658	658	658	659	660	660	660	661	660				
40	614	614	607	608	608	610	610	611	611	612	612	613	613	613	613				
45	562	561	555	556	556	557	558	559	559	560	560	561	560	561	560				
50	505	505	499	500	500	502	502	503	503	504	504	504	504	504	504				
55	445	445	440	441	441	442	443	444	444	444	444	445	445	445	444				
60	382	383	378	380	380	381	381	382	382	383	382	383	382	383	382				
65	317	318	315	317	317	318	318	319	318	319	319	319	319	319	318				
70	252	253	252	253	253	254	254	254	254	255	254	255	254	254	253				
75	187	188	188	189	189	190	190	191	190	191	190	191	190	190	189				
80	124	126	127	128	128	129	129	130	129	130	129	129	128	128	127				
85	68.7	69.8	72.0	72.7	72.6	73.1	72.9	73.2	72.8	72.9	72.2	72.3	71.4	71.2	70.2				
90	28.8	29.6	31.8	32.3	32.2	32.6	32.4	32.6	32.4	32.4	31.9	31.9	31.2	31.0	30.2				
95	11.3	11.2	11.3	11.3	11.3	11.3	11.2	11.1	10.9	10.8	10.6	10.5	10.4	10.3	10.2				
100	10.8	10.5	8.85	8.88	8.84	8.94	8.96	8.78	8.53	8.60	9.01	9.61	9.97	10.0	10.1				
105	9.99	9.51	5.15	4.57	4.22	4.14	4.43	5.03	5.76	6.52	6.83	7.37	7.78	7.99	8.05				
110	9.25	8.84	4.62	4.52	4.16	4.12	4.45	4.42	4.02	4.00	4.54	4.98	5.32	5.50	5.69				
115	8.78	8.33	5.42	5.32	5.31	4.99	4.43	4.37	4.75	5.25	4.97	4.94	5.04	5.08	5.14				
120	8.41	7.87	5.76	5.47	5.35	5.55	5.93	6.44	6.26	5.52	5.32	5.06	5.07	5.20	5.00				
125	8.11	7.60	6.21	6.34	6.60	6.69	6.41	5.89	5.45	5.11	5.11	5.39	5.77	5.78	5.68				
130	7.60	7.23	7.87	7.63	7.12	6.64	6.18	5.84	5.59	5.56	5.94	6.08	6.22	6.35	6.42				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks: