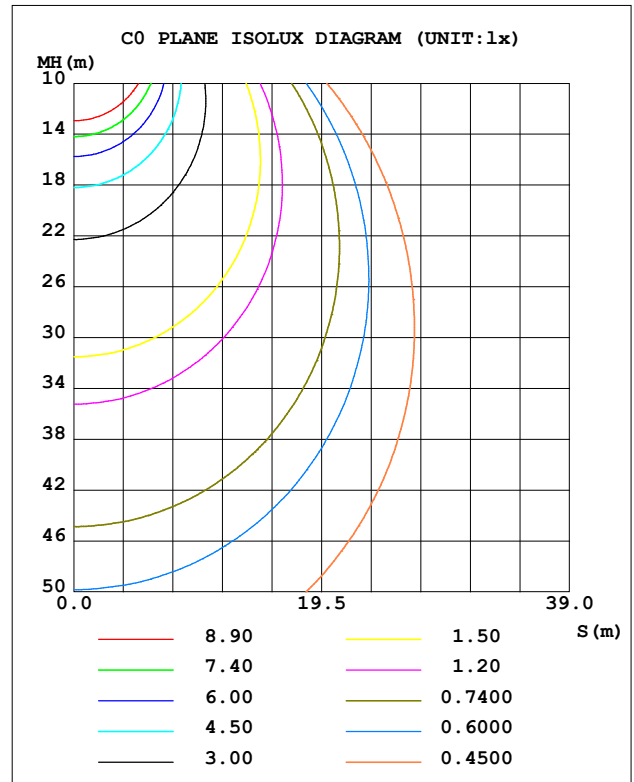
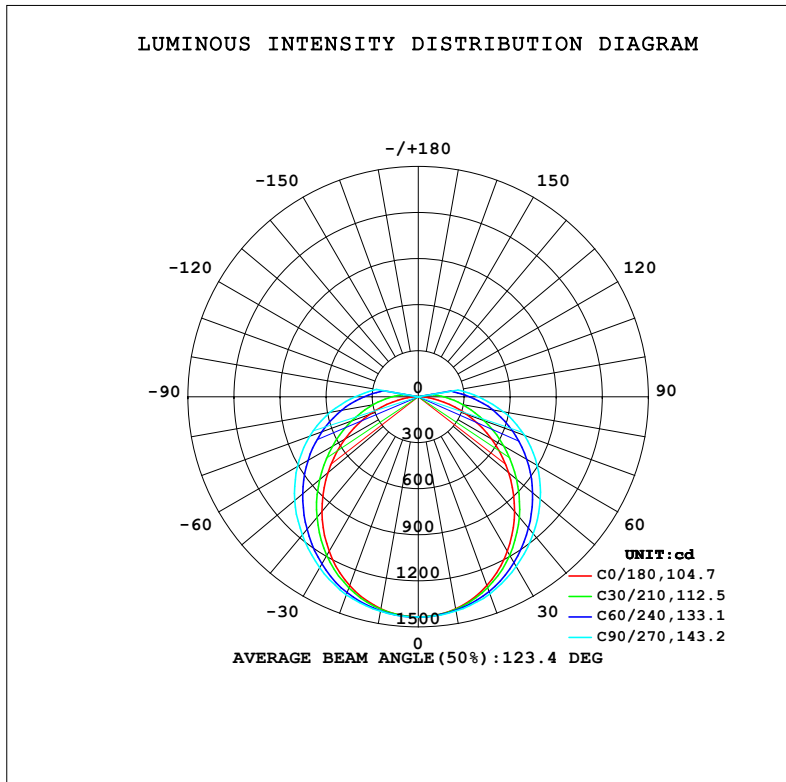


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	9BR55LED	I _{max} (cd)	1436	S/MH (C0/180)	1.21
NOMINAL POWER (W)	55	LOR (%)	100.7	S/MH (C90/270)	1.33
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	5034.5	η UP, DN (C0-180)	2.2, 47.8
NOMINAL FLUX (lm)	5000	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.3, 48.3
LAMPS INSIDE	1	η up (%)	4.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	96.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [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	1403	1410	1417	1409	1403	1412	1419	1411	0- 10	135.8	135.8	2.7,2.72
20	1309	1337	1366	1338	1309	1341	1374	1340	10- 20	389.7	525.5	10.4,10.5
30	1162	1219	1277	1222	1162	1227	1285	1226	20- 30	592.7	1118	22.2,22.4
40	976.4	1071	1166	1073	976.5	1078	1176	1078	30- 40	720.6	1839	36.5,36.8
50	767.8	904.9	1038	907.7	768.2	912.6	1050	914.7	40- 50	766.3	2605	51.7,52.1
60	551.7	733.3	894.6	736.8	552.7	740.8	908.1	744.4	50- 60	734.4	3340	66.3,66.8
70	336.0	561.9	736.3	566.6	337.4	570.5	752.0	574.4	60- 70	636.9	3976	79,79.5
80	134.7	400.4	564.2	406.3	136.5	410.2	585.5	413.5	70- 80	493.8	4470	88.8,89.4
90	20.62	261.7	392.4	267.1	19.85	272.6	411.1	273.6	80- 90	336.4	4807	95.5,96.1
100	15.39	158.7	263.8	162.1	14.83	166.5	278.9	168.5	90-100	211.5	5018	99.7,100
110	0	0	0	0	0	0	0	0	100-110	16.31	5035	100,101
120	0	0	0	0	0	0	0	0	110-120	0	5035	100,101
130	0	0	0	0	0	0	0	0	120-130	0	5035	100,101
140	0	0	0	0	0	0	0	0	130-140	0	5035	100,101
150	0	0	0	0	0	0	0	0	140-150	0	5035	100,101
160	0	0	0	0	0	0	0	0	150-160	0	5035	100,101
170	0	0	0	0	0	0	0	0	160-170	0	5035	100,101
180	0	0	0	0	0	0	0	0	170-180	0	5035	100,101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2298.3 lm

%lum = 45.7%

%lamp = 46.0%

Conical surface Flux(130deg): 3736.8 lm

%lum = 74.2%

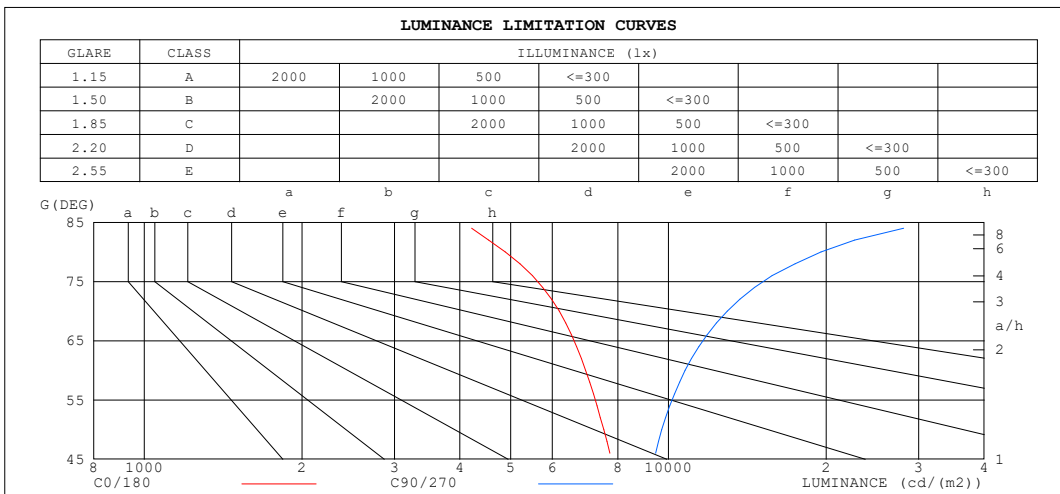
%lamp = 74.7%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:02 August 2022

γ Range: 0 - 100DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5052	33700
80	4883	19532
75	6130	15535
70	6187	12941
65	6929	11852
60	6948	10755
55	7487	10294
50	7522	9706
45	7963	9497

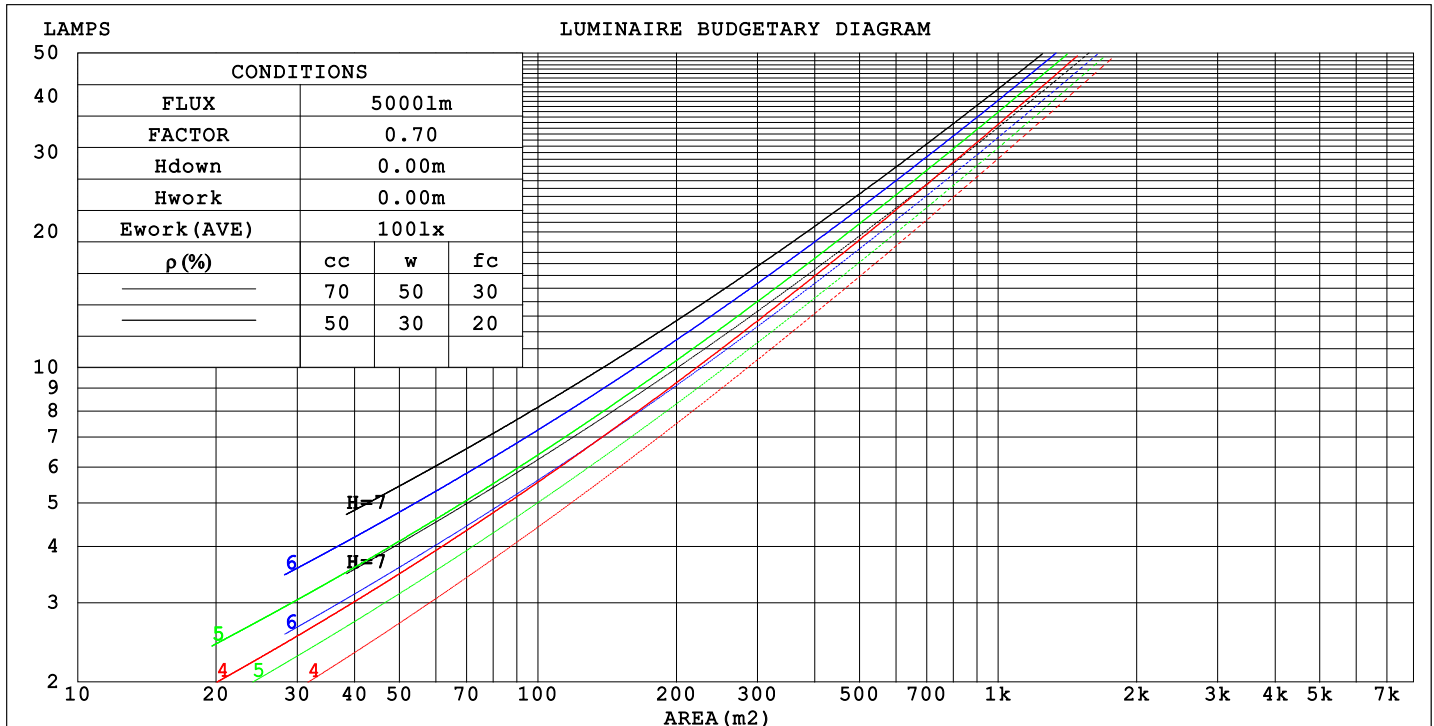
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	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															



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	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	.379	.216	.068	.370	.211	.067	.354	.203	.065	.339	.196	.063	.325	.189	.061	
2.0	.333	.183	.056	.325	.179	.055	.311	.173	.054	.298	.167	.052	.285	.161	.051	
3.0	.298	.159	.048	.291	.156	.047	.278	.151	.046	.266	.146	.045	.255	.141	.044	
4.0	.269	.140	.041	.263	.138	.041	.252	.133	.040	.241	.129	.039	.231	.125	.038	
5.0	.246	.125	.036	.240	.123	.036	.230	.120	.035	.220	.116	.035	.211	.113	.034	
6.0	.225	.113	.032	.220	.111	.032	.211	.108	.031	.202	.105	.031	.194	.102	.030	
7.0	.208	.103	.029	.204	.102	.029	.195	.099	.028	.188	.096	.028	.180	.094	.028	
8.0	.193	.094	.027	.189	.093	.026	.182	.091	.026	.175	.088	.026	.168	.086	.025	
9.0	.180	.087	.024	.177	.086	.024	.170	.084	.024	.163	.082	.023	.157	.080	.023	
10.0	.169	.081	.022	.166	.080	.022	.159	.078	.022	.153	.076	.022	.148	.074	.021	

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	.227	.227	.227	.194	.194	.194	.132	.132	.132	.076	.076	.076	.024	.024	.024	
1.0	.221	.192	.165	.189	.164	.142	.129	.113	.098	.075	.065	.057	.024	.021	.018	
2.0	.214	.168	.129	.183	.145	.112	.126	.100	.078	.072	.058	.046	.023	.019	.015	
3.0	.206	.151	.107	.177	.130	.092	.121	.090	.065	.070	.053	.038	.023	.017	.013	
4.0	.198	.138	.092	.170	.119	.080	.117	.083	.056	.068	.049	.033	.022	.016	.011	
5.0	.190	.127	.081	.163	.110	.071	.112	.077	.050	.065	.045	.030	.021	.015	.010	
6.0	.183	.119	.074	.157	.103	.064	.108	.072	.045	.063	.043	.027	.020	.014	.009	
7.0	.175	.112	.068	.151	.097	.059	.104	.068	.042	.061	.040	.025	.020	.013	.008	
8.0	.168	.107	.064	.145	.092	.056	.100	.065	.040	.058	.038	.024	.019	.013	.008	
9.0	.162	.102	.061	.140	.088	.053	.097	.062	.038	.056	.037	.022	.018	.012	.007	
10.0	.156	.097	.058	.134	.084	.051	.093	.059	.036	.054	.035	.022	.018	.012	.007	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: 9BR55LED					TYPE: 9BR55LED			WEIGHT: 1.2		
SPEC.:					DIM.: F 0.075 x 1.5			SERIAL No.: 0		
MFR.: Elmark Industries JSC					SUR.: cylinder			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	13.4	15.0	13.7	15.2	15.6	15.4	16.9	15.7	17.2	17.5
3H	14.8	16.3	15.2	16.6	16.9	17.8	19.3	18.2	19.6	19.9
4H	15.4	16.8	15.8	17.1	17.5	19.1	20.5	19.5	20.8	21.2
6H	15.8	17.1	16.2	17.4	17.8	20.5	21.8	20.9	22.2	22.6
8H	15.9	17.1	16.3	17.5	17.9	21.3	22.5	21.7	22.9	23.3
12H	15.9	17.2	16.4	17.5	17.9	22.1	23.3	22.5	23.7	24.1
4H 2H	14.5	15.8	14.8	16.2	16.5	15.9	17.3	16.3	17.6	18.0
3H	16.1	17.3	16.5	17.7	18.1	18.6	19.8	19.0	20.2	20.6
4H	16.8	18.0	17.3	18.4	18.8	20.1	21.2	20.6	21.7	22.1
6H	17.4	18.4	17.9	18.8	19.3	21.8	22.8	22.2	23.2	23.7
8H	17.6	18.5	18.0	19.0	19.4	22.6	23.6	23.1	24.0	24.5
12H	17.7	18.5	18.2	19.0	19.5	23.6	24.4	24.1	24.9	25.4
8H 4H	17.8	18.7	18.3	19.2	19.7	20.5	21.4	20.9	21.8	22.3
6H	18.7	19.5	19.2	19.9	20.5	22.4	23.2	22.9	23.7	24.2
8H	19.0	19.7	19.5	20.2	20.8	23.4	24.2	24.0	24.7	25.2
12H	19.3	19.9	19.8	20.4	21.0	24.7	25.3	25.2	25.8	26.4
12H 4H	18.1	18.9	18.6	19.4	19.9	20.5	21.3	21.0	21.8	22.3
6H	19.2	19.9	19.7	20.4	20.9	22.5	23.2	23.0	23.7	24.3
8H	19.7	20.3	20.2	20.8	21.4	23.7	24.3	24.2	24.8	25.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 5000 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.6)
Area: 0.16485 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

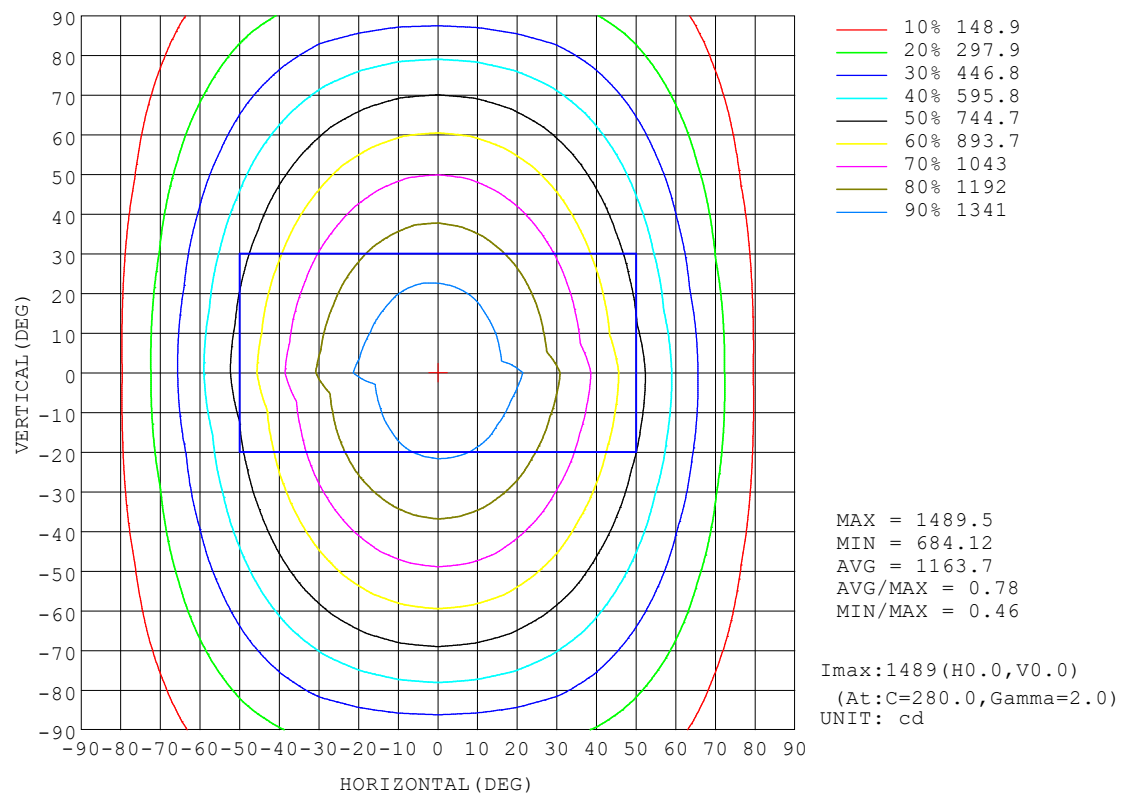
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	41	33	51	40	33	27
0.80	63	50	42	62	50	42	60	49	41	34
1.00	71	58	50	69	58	50	67	59	49	41
1.25	78	66	57	76	65	57	73	63	56	48
1.50	83	71	63	81	70	62	77	68	61	53
2.00	90	79	72	88	78	71	84	76	69	60
2.50	94	85	77	92	83	76	87	80	74	64
3.00	98	89	82	95	87	81	90	84	79	69
4.00	102	95	89	99	93	87	94	89	84	74
5.00	105	99	93	102	96	91	97	92	88	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

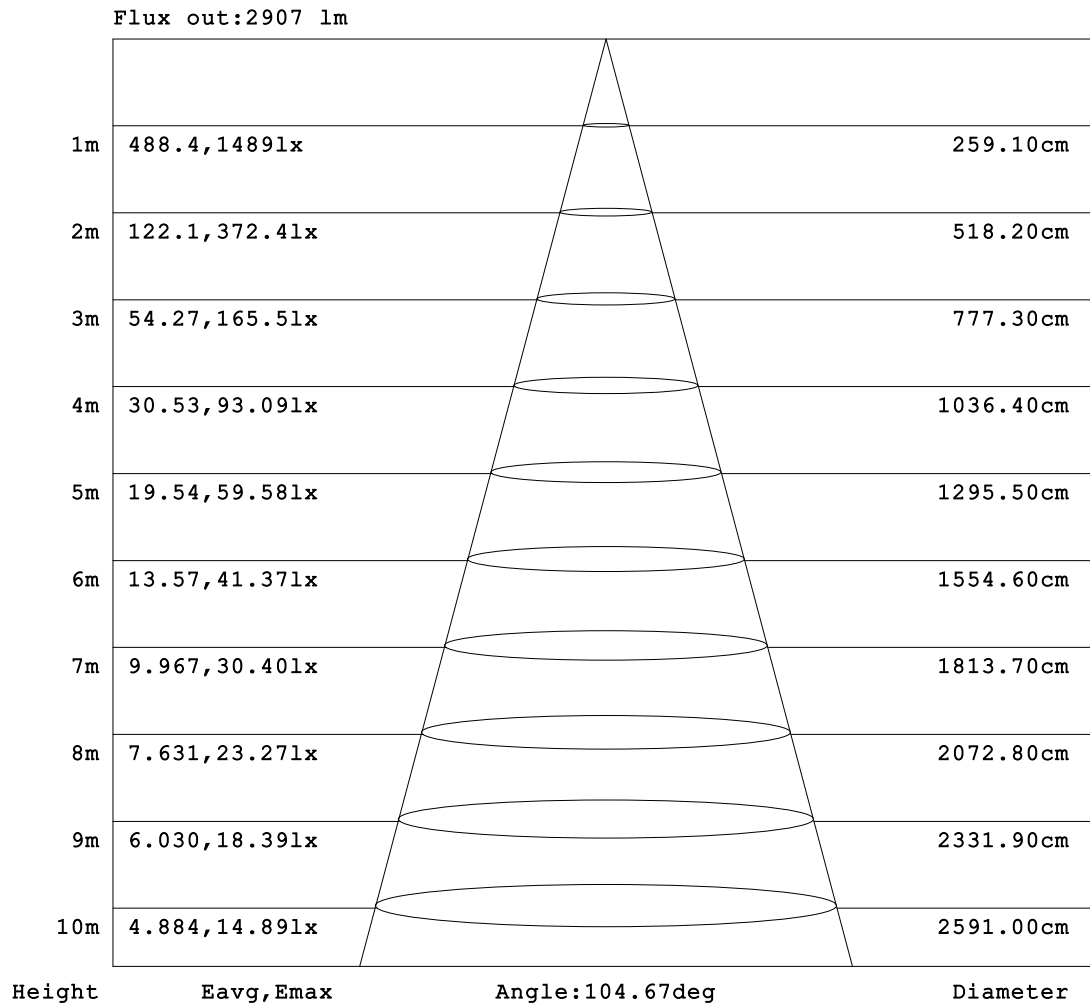


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:02 August 2022

γ Range: 0 - 100DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:



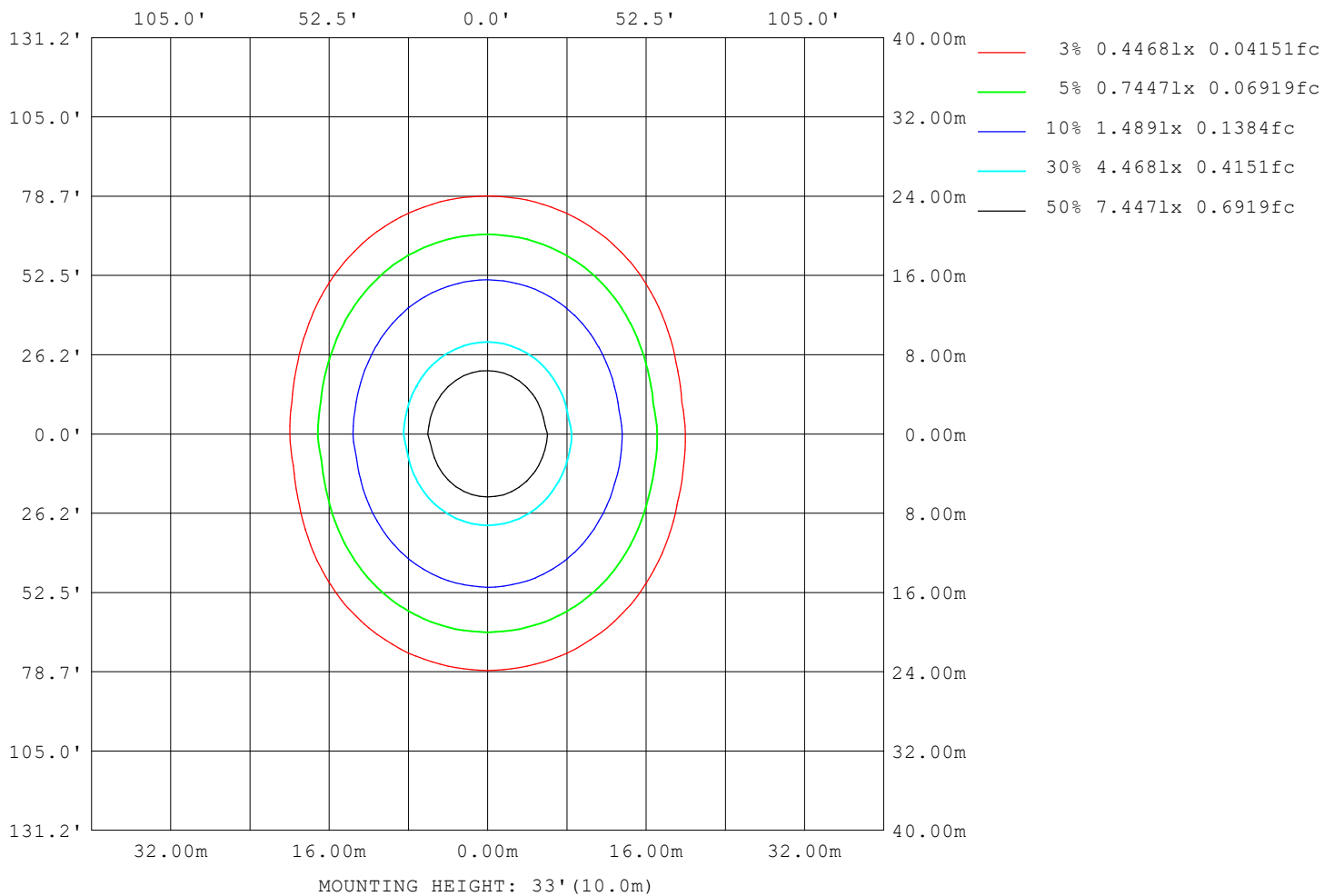
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:02 August 2022

γ Range: 0 - 100DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

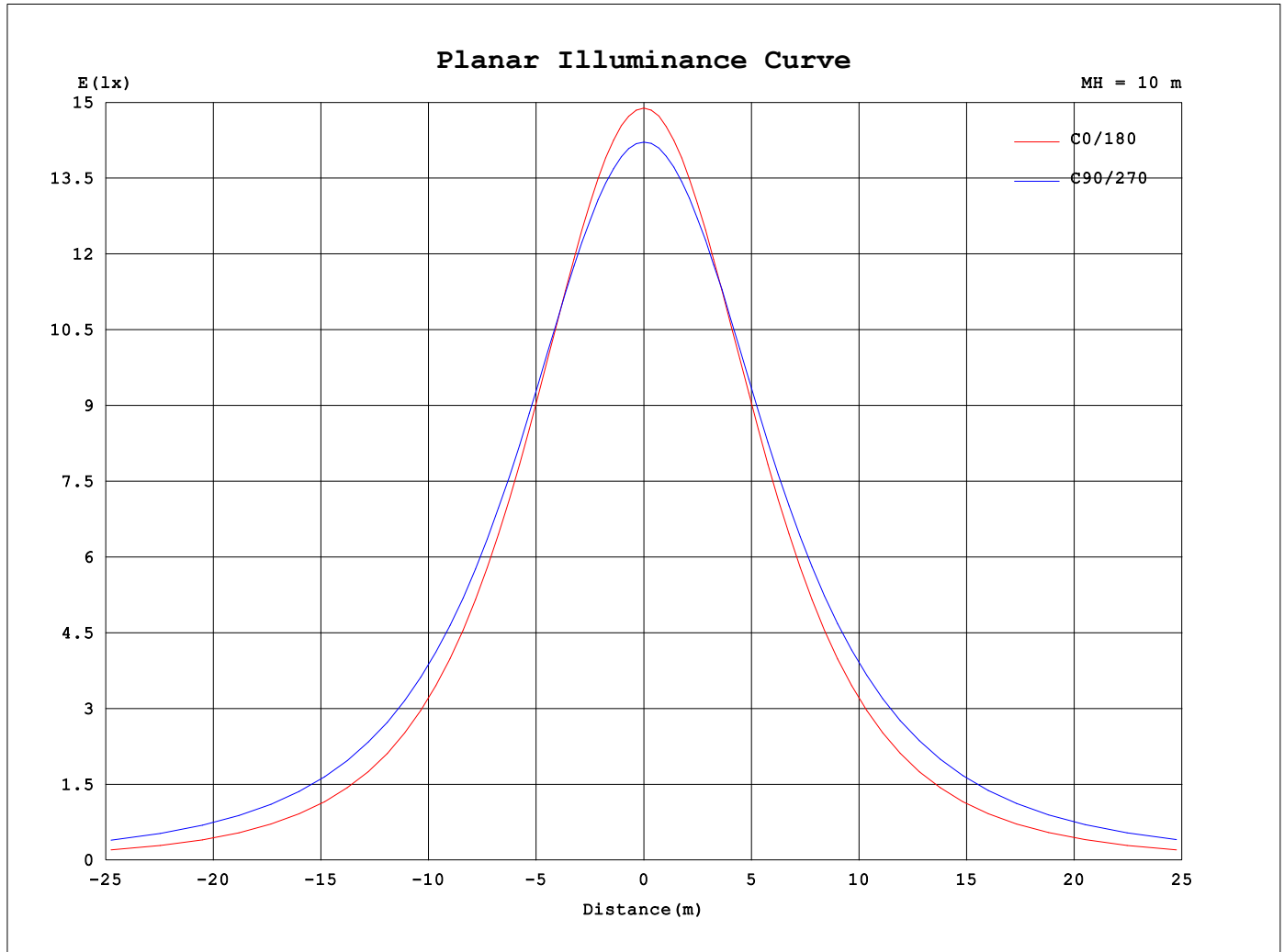
AvgL	cd/m2
L_0~180 (65) av	6372
L_0~180 (75) av	5444
L_0~180 (85) av	3980
L_90~270 (65) av	11842
L_90~270 (75) av	15465
L_90~270 (85) av	33521
L_45 (65) av	9383
L_45 (75) av	11416
L_45 (85) av	23476

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 02 August 2022

γ Range: 0 - 100DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435
5	1429	1430	1430	1430	1431	1431	1432	1431	1431	1432	1432	1431	1431	1431	1430	1430	1431	1428	1430
10	1403	1404	1404	1406	1408	1411	1412	1414	1417	1417	1418	1416	1414	1410	1407	1406	1404	1403	1403
15	1373	1374	1376	1379	1384	1389	1392	1396	1399	1400	1401	1397	1394	1389	1383	1379	1375	1373	1372
20	1309	1313	1314	1323	1331	1343	1352	1360	1364	1366	1367	1363	1354	1344	1332	1323	1316	1310	1309
25	1255	1261	1265	1277	1289	1302	1314	1324	1330	1334	1332	1326	1316	1306	1291	1277	1265	1257	1256
30	1162	1169	1175	1192	1209	1230	1247	1263	1272	1277	1275	1265	1250	1233	1212	1193	1176	1165	1162
35	1091	1099	1108	1128	1150	1176	1197	1216	1229	1235	1231	1219	1200	1179	1152	1129	1110	1096	1092
40	976	984	997	1025	1053	1088	1117	1144	1159	1166	1161	1145	1120	1089	1057	1025	999	981	976
45	894	904	919	950	984	1026	1061	1091	1109	1117	1111	1092	1064	1028	988	952	920	900	895
50	768	778	798	836	880	930	973	1008	1029	1038	1032	1010	976	932	883	838	801	776	768
55	682	694	716	759	809	865	912	951	973	982	976	952	915	866	813	761	719	691	682
60	552	564	592	644	702	765	817	859	884	895	887	862	820	768	706	646	596	563	553
65	465	479	511	568	631	698	753	797	822	833	825	799	757	701	635	571	515	479	466
70	336	352	393	458	527	597	654	699	725	736	728	702	660	601	532	461	398	353	337
75	252	271	319	388	460	531	588	633	659	669	661	636	594	536	466	392	325	273	253
80	135	162	219	292	365	436	491	536	556	564	559	540	497	441	372	297	225	166	137
85	69.9	102	163	236	308	378	426	461	481	489	483	464	431	383	315	241	168	105	71.3
90	20.6	46.5	100	167	233	291	335	367	385	392	388	370	340	296	239	172	105	48.5	19.8
95	18.3	30.2	72.7	131	189	242	283	312	329	336	331	315	287	247	195	135	76.6	31.4	17.6
100	15.4	18.7	45.2	88.9	136	181	217	243	258	264	260	245	221	185	139	90.6	48.1	19.4	14.8
105	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
110	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
115	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
120	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
125	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
130	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
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: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:02 August 2022

γ Range: 0 - 100DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 9BR55LED	TYPE: 9BR55LED	WEIGHT: 1.2
SPEC.:	DIM.: F 0.075 x 1.5	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cylinder	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435		
5	1430	1430	1430	1431	1431	1433	1431	1434	1433	1435	1433	1432	1432	1430	1430	1430	1430		
10	1402	1405	1406	1411	1413	1417	1418	1420	1419	1420	1418	1415	1413	1409	1408	1406	1405		
15	1371	1376	1379	1387	1391	1397	1400	1404	1404	1404	1401	1397	1391	1384	1380	1378	1376		
20	1309	1317	1324	1336	1346	1357	1365	1371	1374	1373	1365	1357	1345	1334	1326	1319	1313		
25	1257	1267	1277	1294	1309	1323	1331	1340	1340	1339	1332	1322	1308	1294	1278	1268	1262		
30	1163	1178	1194	1218	1237	1257	1271	1284	1285	1282	1271	1256	1237	1215	1196	1180	1170		
35	1094	1111	1130	1159	1183	1209	1225	1239	1243	1240	1227	1207	1184	1158	1132	1113	1100		
40	980	1002	1027	1063	1094	1127	1152	1172	1176	1171	1153	1129	1095	1062	1030	1004	986		
45	899	924	954	994	1032	1072	1100	1121	1128	1123	1103	1072	1035	993	956	926	906		
50	774	804	839	889	937	984	1018	1043	1050	1045	1021	985	940	889	842	806	780		
55	689	722	762	817	871	923	961	989	996	990	964	926	875	819	764	723	694		
60	562	598	647	710	771	829	871	900	908	902	875	832	776	713	651	599	566		
65	477	517	571	640	705	765	809	839	848	840	812	769	710	642	575	518	481		
70	352	400	462	536	605	668	712	743	752	744	716	672	610	539	465	401	355		
75	271	325	392	469	540	603	647	677	685	678	651	605	545	472	395	326	273		
80	162	224	297	375	445	507	549	578	586	579	552	508	449	378	300	226	164		
85	103	168	241	318	386	446	480	503	509	502	480	446	390	320	244	169	105		
90	46.5	105	172	243	302	352	385	406	411	405	385	352	304	243	174	106	48.7		
95	30.1	76.0	136	199	254	299	329	349	353	348	329	299	254	199	137	77.5	32.0		
100	18.6	47.7	91.5	142	191	231	257	274	279	274	257	230	192	145	94.5	49.0	19.8		
105	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		
110	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		
115	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		
120	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		
125	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		
130	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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:02 August 2022

γ Range: 0 - 100DEG

γ Interval: 2.0DEG

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

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: