

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	310.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	133.8V x 133.8H
	At 50% of Imax	93.9V x 94.1H
	At 90% of Imax	50.7V x 51.1H

Beam Flux	Total	646.0 lumens per klm.
	To 10% of Imax	620.6 lumens per klm.
	To 50% of Imax	501.2 lumens per klm.
	To 90% of Imax	183.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	64.6 %

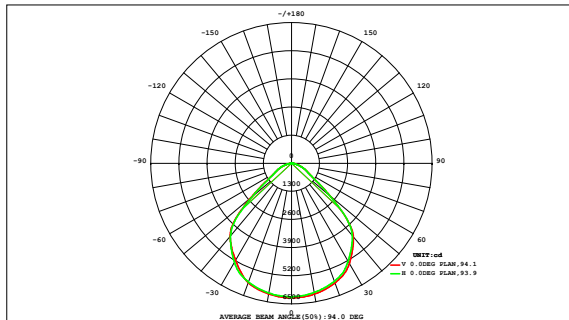
Luminaire Efficiency (Light Output Ratio)	64.6 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 19 October 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 98DUBLIN200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F358 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98DUBLIN200SMD	Imax (cd)	6214
NOMINAL POWER (W)	200	AVAILABILITY (%)	61.9
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	12371
NOMINAL FLUX (lm)	20000	LOR (%)	64.6
LAMPS INSIDE	1	TOTAL FLUX (lm)	12915
TEST VOLTAGE (V)	230	θ @50% (H,V)	94,94DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.01	0.04	0.13	0.29	0.52	0.80	1.09	1.32	1.44	1.43	1.29	1.05	0.77	0.49	0.26	0.12	0.04	0.01	11.1	0.00
90	0.01	0.04	0.13	0.29	0.52	0.80	1.09	1.32	1.44	1.43	1.29	1.05	0.77	0.49	0.26	0.12	0.04	0.01	11.1	0.00
80	0.02	0.18	0.76	1.93	3.59	5.49	7.33	8.74	9.51	9.47	8.64	7.15	5.28	3.39	1.79	0.70	0.17	0.02	74.1	0.00
70	0.03	0.48	2.05	4.88	8.77	12.9	16.8	19.7	21.3	21.3	19.6	16.6	12.7	8.50	4.66	1.91	0.45	0.03	173	82.9
60	0.06	0.90	3.63	8.35	14.4	20.8	28.9	37.1	43.3	43.6	37.5	29.0	20.7	14.1	8.11	3.47	0.84	0.05	315	281
50	0.09	1.35	5.27	11.7	20.3	36.7	63.5	90.2	105	106	92.4	66.2	38.4	20.5	11.4	5.10	1.28	0.08	675	655
40	0.12	1.79	6.74	14.7	31.5	70.5	112	136	146	146	135	113	74.1	33.6	14.7	6.57	1.71	0.11	1044	1030
30	0.15	2.17	7.90	18.2	49.6	102	136	159	169	168	155	133	102	53.0	19.0	7.73	2.07	0.13	1284	1272
20	0.17	2.44	8.71	22.2	66.1	116	149	170	180	180	169	144	114	69.0	23.4	8.56	2.34	0.15	1426	1415
10	0.18	2.58	9.15	25.1	74.4	122	155	176	186	185	174	151	119	76.6	26.4	9.02	2.47	0.16	1493	1484
0	0.18	2.57	9.12	24.9	73.8	120	153	174	184	185	176	152	119	76.7	26.6	9.03	2.47	0.16	1489	1480
-10	0.17	2.41	8.61	21.9	64.5	114	146	169	179	179	169	145	114	68.8	23.7	8.60	2.33	0.15	1416	1406
-20	0.14	2.13	7.74	17.8	48.7	99.8	133	155	167	167	155	132	102	52.4	18.7	7.74	2.06	0.13	1270	1258
-30	0.12	1.74	6.53	14.3	31.4	69.4	111	134	145	145	133	112	72.7	33.4	14.6	6.50	1.68	0.11	1032	1017
-40	0.08	1.30	5.06	11.3	19.8	36.1	62.4	89.0	103	104	90.1	64.7	37.9	20.3	11.4	4.98	1.24	0.08	663	642
-50	0.05	0.84	3.43	8.05	13.8	20.4	27.8	36.2	41.9	42.0	36.7	28.4	20.6	13.9	7.94	3.33	0.80	0.05	306	272
-60	0.03	0.44	1.87	4.60	8.28	12.4	16.2	19.1	20.7	20.7	19.1	16.1	12.3	8.14	4.45	1.78	0.41	0.03	167	74.5
-70	0.02	0.16	0.67	1.71	3.22	5.00	6.72	8.07	8.80	8.77	8.00	6.60	4.86	3.11	1.65	0.62	0.15	0.01	68.2	0.00
-80	0.01	0.04	0.11	0.23	0.43	0.66	0.90	1.08	1.17	1.21	1.09	0.89	0.65	0.41	0.22	0.10	0.04	0.01	9.24	0.00
-90	0.01	0.04	0.11	0.23	0.43	0.66	0.90	1.08	1.17	1.21	1.09	0.89	0.65	0.41	0.22	0.10	0.04	0.01	9.24	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.62	23.6	87.5	212	533	964	1327	1583	1714	1714	1581	1318	971	556	219	85.8	22.5	1.48	12915	---
Φ a	0.00	0.00	38.2	176	499	931	1294	1552	1683	1682	1549	1286	939	523	183	36.5	0.00	0.00	---	12371

one-half-peak spread: U:46.9,D:47.2 , L:46.8,R:47.5

NEMA Beam Type: Type 7

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:19 October 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

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

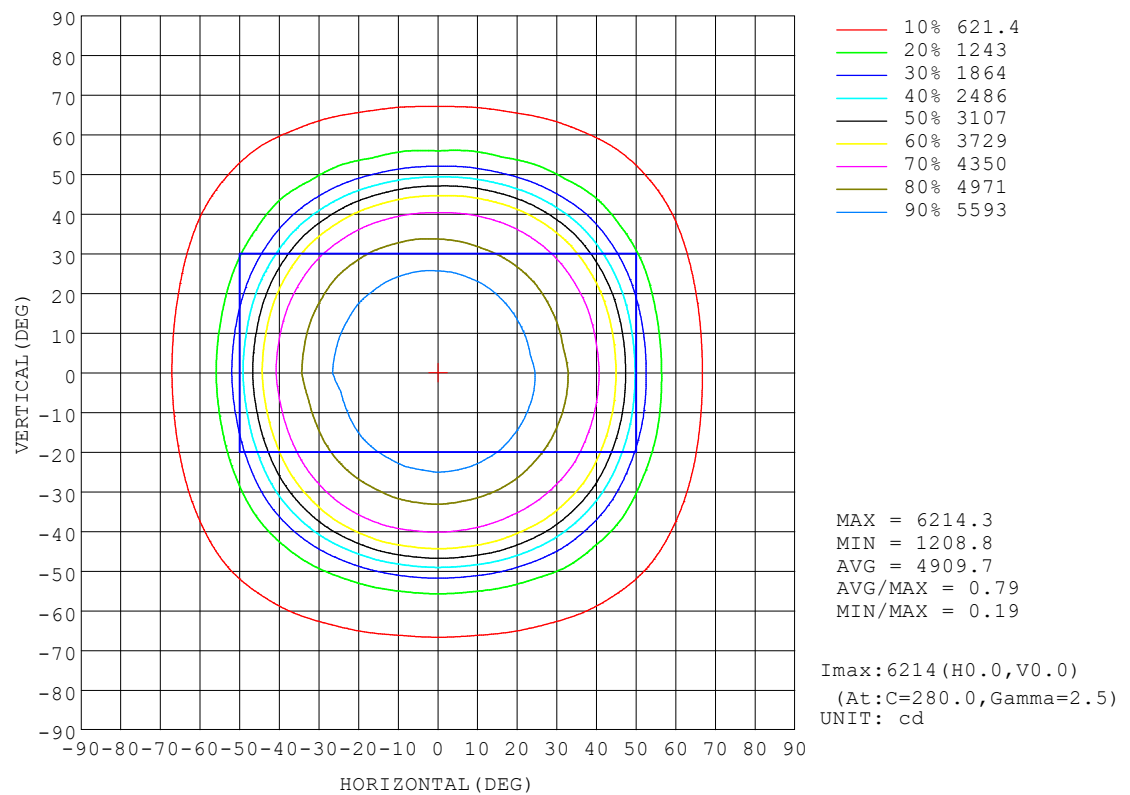
Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

NAME: 98DUBLIN200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F358 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

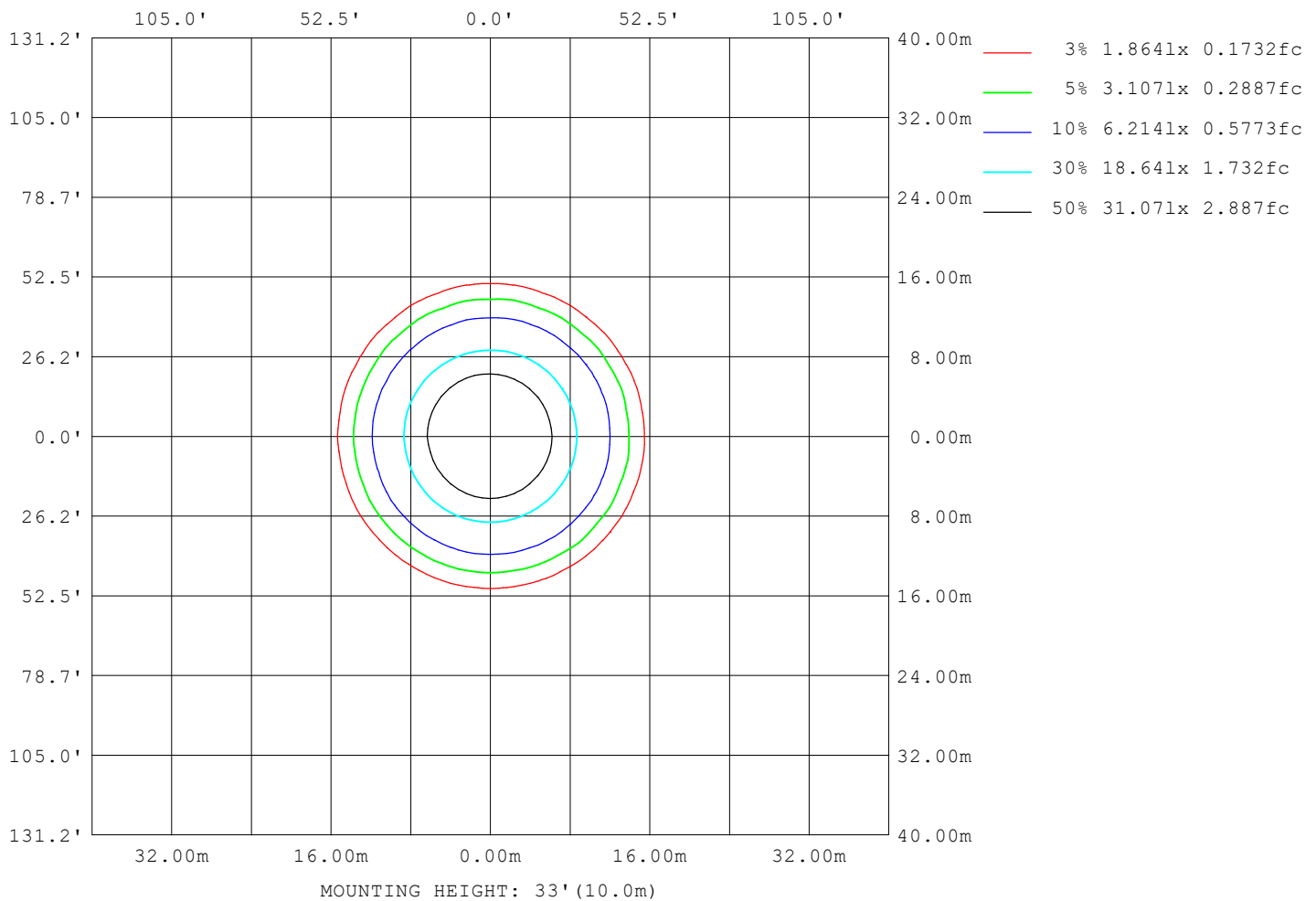


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Temperature: 25.3°C
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ISOLUX DIAGRAM

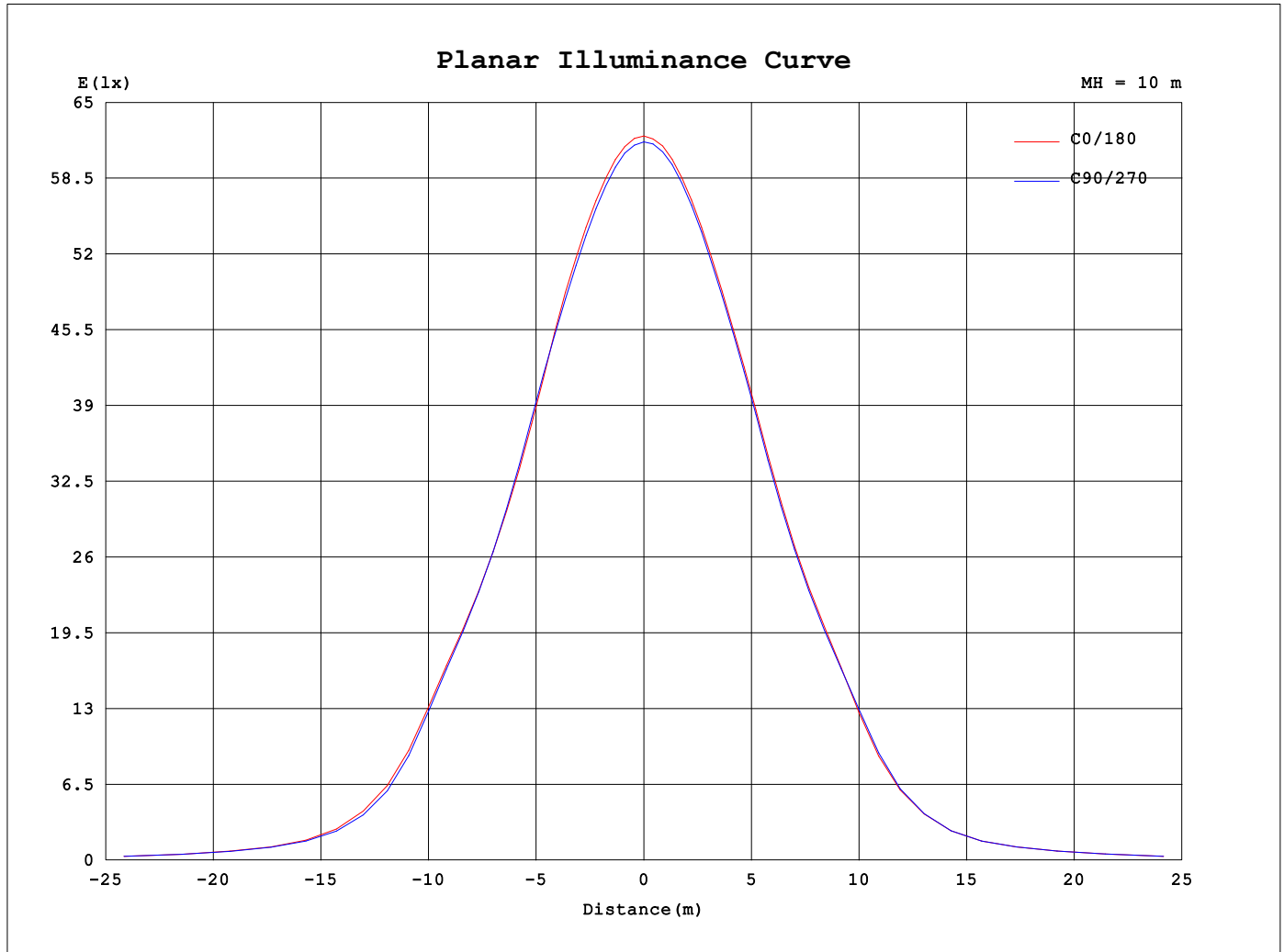
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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

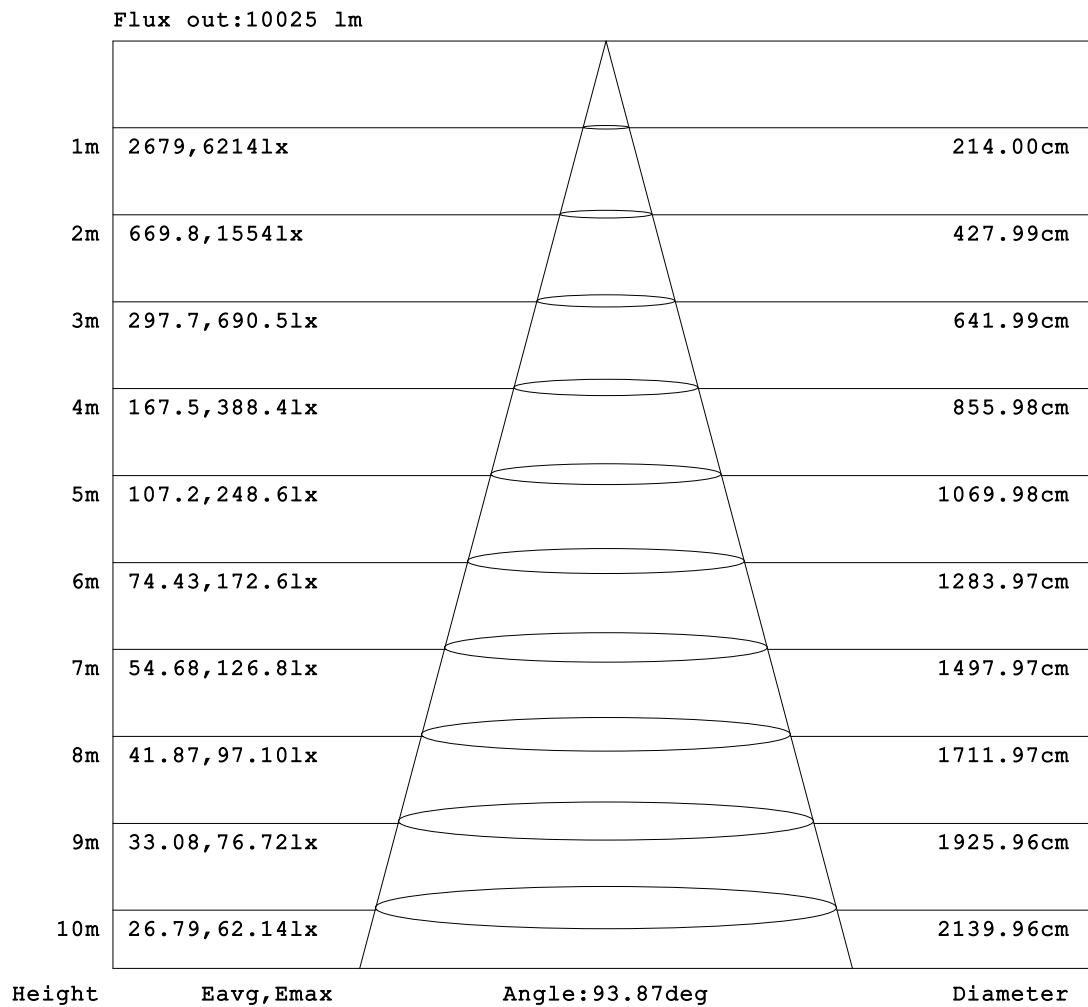


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 19 October 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 98DUBLIN200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F358 x 80	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: 10.0DEG

Test Speed: HIGH

Temperature: 25.3°C

Operators:

Test Date: 19 October 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

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: 98DUBLIN200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F358 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	3.02	3.21	3.41	3.41	3.41	3.41	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.43	3.43	3.43	3.43	3.43
-85	3.02	3.80	4.40	4.81	5.16	5.54	5.89	8.83	11.5	14.1	16.6	18.5	20.1	21.7	23.0	23.4	23.5	24.1	24.3
-80	3.02	4.38	5.39	6.80	13.8	20.6	27.2	38.7	49.3	60.0	71.1	83.3	93.5	103	112	117	119	123	124
-75	3.02	4.96	6.98	17.9	28.9	48.9	68.4	94.1	118	145	172	195	217	239	257	270	278	284	287
-70	3.02	5.53	14.4	29.5	56.5	89.4	128	170	211	256	299	339	374	407	436	457	472	482	486
-65	3.02	6.09	21.6	49.9	89.7	140	198	260	321	382	443	497	544	587	625	653	670	684	692
-60	3.02	6.63	28.6	69.7	128	197	276	358	438	514	588	656	713	763	811	848	869	887	897
-55	3.02	10.0	41.3	96.8	171	259	358	459	554	642	729	812	881	963	1058	1173	1249	1301	1324
-50	3.02	13.3	53.5	123	214	322	439	556	666	766	866	1001	1188	1410	1656	1897	2082	2198	2244
-45	3.02	16.3	64.8	150	260	385	516	647	772	890	1069	1385	1779	2204	2655	3065	3354	3535	3614
-40	3.02	19.0	76.5	177	302	445	587	730	873	1082	1477	2013	2637	3277	3789	4133	4268	4345	4375
-35	3.02	21.6	90.3	202	344	500	654	806	1002	1395	2019	2763	3572	4141	4420	4595	4720	4792	4817
-30	3.02	23.8	103	227	382	549	714	877	1188	1784	2628	3551	4195	4532	4765	4950	5107	5193	5235
-25	3.02	25.8	113	249	416	593	766	969	1411	2195	3227	4108	4529	4831	5095	5311	5472	5554	5599
-20	3.02	27.4	122	268	445	630	810	1057	1656	2605	3718	4402	4770	5100	5395	5594	5710	5773	5803
-15	3.02	28.7	129	283	469	661	849	1169	1890	2972	4075	4579	4959	5323	5598	5757	5858	5920	5947
-10	3.02	29.7	135	295	486	684	879	1259	2080	3267	4253	4711	5112	5471	5707	5862	5967	6030	6058
-5	3.02	30.3	138	302	498	699	900	1319	2215	3482	4384	4820	5235	5562	5769	5919	6027	6100	6138
0	3.02	30.6	139	306	503	706	911	1347	2277	3581	4458	4910	5349	5685	5885	6029	6132	6200	6214
5	3.02	30.4	138	303	500	701	903	1325	2234	3515	4419	4880	5313	5641	5845	5992	6088	6143	6148
10	3.02	29.9	135	297	490	688	885	1270	2116	3332	4315	4801	5220	5565	5773	5919	6017	6071	6084
15	3.02	29.0	131	287	475	667	858	1182	1929	3055	4159	4670	5070	5429	5663	5809	5910	5964	5983
20	3.02	27.7	124	273	453	638	823	1072	1689	2688	3818	4478	4862	5228	5499	5656	5759	5816	5837
25	3.02	26.2	115	255	425	603	782	992	1439	2229	3305	4183	4610	4947	5225	5432	5555	5620	5633
30	3.02	24.3	105	233	392	563	734	906	1209	1785	2645	3642	4263	4599	4862	5075	5210	5295	5288
35	3.02	22.0	92.5	208	356	516	676	831	1018	1392	2011	2818	3639	4162	4453	4644	4772	4850	4858
40	3.02	19.5	78.8	184	314	461	610	751	886	1096	1516	2019	2655	3319	3830	4137	4284	4371	4393
45	3.02	16.7	67.1	157	272	402	536	665	786	912	1114	1427	1794	2237	2712	3100	3412	3601	3660
50	3.02	13.7	55.7	130	226	340	457	572	685	792	895	1018	1220	1491	1698	1931	2142	2269	2310
55	3.02	10.4	43.4	103	184	275	374	476	575	671	753	825	901	999	1081	1196	1321	1371	1346
60	3.02	6.98	30.5	74.7	143	212	291	375	459	540	611	675	737	788	827	861	890	904	907
65	3.02	6.37	23.2	54.2	100	156	211	276	342	406	465	520	571	613	644	672	696	705	705
70	3.02	5.73	15.6	32.8	63.4	100	139	185	230	277	319	361	400	433	459	481	498	506	507
75	3.02	5.07	7.80	20.3	33.8	55.7	76.4	106	138	164	188	214	240	261	277	293	304	309	309
80	3.02	4.39	5.83	8.07	16.6	24.6	32.4	46.0	59.3	70.4	81.4	96.8	112	121	126	137	146	145	140
85	3.02	3.71	4.42	5.24	6.13	6.89	7.63	11.5	15.3	18.3	20.9	23.9	26.6	28.4	29.8	31.3	32.5	32.5	32.0
90	3.02	3.01	3.01	3.00	2.99	2.98	2.98	2.98	2.98	2.97	2.97	2.97	2.96	2.96	2.96	2.96	2.96	2.96	2.96

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:19 October 2022

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γ Interval: 2.5DEG

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: 98DUBLIN200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F358 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	
-85	24.0	23.4	22.7	21.8	20.3	18.6	17.1	15.2	13.1	10.7	8.32	5.66	5.36	5.03	4.74	4.37	3.92	3.43	
-80	122	119	115	109	102	94.4	82.1	67.0	60.5	51.4	37.3	24.9	19.0	12.8	6.56	5.30	4.41	3.43	
-75	283	276	267	253	234	211	189	165	138	113	91.1	64.1	45.5	26.5	16.6	6.75	4.89	3.43	
-70	482	471	455	433	403	369	333	291	248	203	162	121	84.0	52.5	27.1	13.4	5.36	3.43	
-65	685	671	653	625	586	543	494	438	376	313	251	189	133	84.3	46.5	19.9	5.82	3.43	
-60	890	873	850	815	767	716	657	587	511	432	350	267	189	121	65.2	26.2	6.26	3.43	
-55	1303	1255	1183	1073	985	891	816	733	643	551	452	350	251	164	91.5	38.1	9.26	3.43	
-50	2205	2103	1939	1702	1459	1251	1025	883	773	667	553	433	315	207	117	49.4	12.1	3.43	
-45	3546	3378	3118	2741	2289	1865	1475	1115	907	776	647	513	378	253	144	59.9	14.8	3.43	
-40	4335	4243	4102	3807	3375	2762	2107	1556	1127	884	734	585	440	296	171	70.7	17.2	3.43	
-35	4781	4700	4564	4376	4135	3692	2923	2128	1525	1036	817	655	497	338	195	83.6	19.4	3.43	
-30	5189	5094	4943	4752	4514	4215	3713	2803	1903	1264	898	718	547	376	218	95.1	21.3	3.43	
-25	5561	5462	5289	5067	4810	4526	4179	3434	2366	1517	1008	773	592	409	240	105	23.0	3.43	
-20	5783	5729	5592	5341	5051	4764	4420	3881	2831	1805	1117	821	629	438	258	113	24.4	3.43	
-15	5936	5886	5785	5575	5260	4936	4590	4163	3216	2071	1283	861	657	460	272	120	25.6	3.43	
-10	6046	6000	5908	5742	5416	5069	4715	4300	3497	2272	1384	891	677	476	282	124	26.4	3.43	
-5	6134	6080	5984	5836	5530	5154	4793	4386	3660	2384	1427	909	689	485	288	127	26.9	3.43	
0	6194	6127	6026	5872	5556	5177	4819	4419	3716	2417	1422	916	693	489	291	128	27.1	3.43	
5	6113	6048	5945	5781	5465	5105	4769	4380	3660	2376	1403	908	688	486	289	127	27.0	3.43	
10	6059	5993	5889	5700	5370	5027	4697	4298	3495	2256	1345	888	675	476	283	125	26.6	3.43	
15	5956	5900	5775	5537	5224	4913	4595	4179	3233	2062	1249	857	654	461	273	120	25.9	3.43	
20	5814	5741	5572	5317	5044	4754	4427	3909	2864	1815	1119	817	625	439	260	114	24.8	3.43	
25	5590	5462	5280	5062	4828	4549	4189	3458	2391	1584	1015	771	590	411	242	106	23.5	3.43	
30	5227	5101	4957	4778	4557	4263	3756	2823	1922	1297	904	721	550	379	221	96.8	21.8	3.43	
35	4823	4736	4616	4443	4195	3759	2992	2162	1483	1045	821	662	502	343	197	85.6	19.9	3.43	
40	4373	4297	4168	3910	3459	2816	2154	1610	1133	886	738	596	447	302	174	73.0	17.7	3.43	
45	3636	3480	3203	2826	2341	1876	1489	1138	909	776	651	522	388	260	147	62.3	15.2	3.43	
50	2295	2186	1982	1743	1527	1246	1031	887	780	672	558	443	326	215	121	51.7	12.5	3.43	
55	1380	1334	1206	1084	994	897	821	742	657	561	461	361	263	172	96.2	40.4	9.58	3.43	
60	903	888	861	823	781	729	666	599	526	446	361	278	200	129	70.2	28.4	6.47	3.43	
65	704	693	669	639	605	561	510	453	393	329	263	199	142	92.2	50.8	21.6	5.97	3.43	
70	504	495	477	453	425	391	352	308	265	219	174	129	92.3	59.2	30.5	14.6	5.44	3.43	
75	307	302	289	273	255	233	206	180	153	125	98.4	71.0	51.6	31.0	18.8	7.28	4.90	3.43	
80	144	144	135	124	116	106	92.3	77.6	66.4	55.0	42.2	29.3	22.4	15.2	7.46	5.49	4.34	3.43	
85	32.0	31.6	30.3	28.7	27.2	25.4	22.6	19.7	16.9	13.8	10.5	7.00	6.35	5.68	4.93	4.23	3.76	3.43	
90	2.96	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.96	2.96	2.96	2.96	2.95	2.95	2.95	2.95	3.19	3.43	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:19 October 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

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

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: