

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	308.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-2.5 degrees horizontal

Beam Spread	At 10% of Imax	129.2V x 129.8H
	At 50% of Imax	86.7V x 86.8H
	At 90% of Imax	41.7V x 44.9H

Beam Flux	Total	595.1 lumens per klm.
	To 10% of Imax	567.1 lumens per klm.
	To 50% of Imax	419.9 lumens per klm.
	To 90% of Imax	140.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	59.5 %

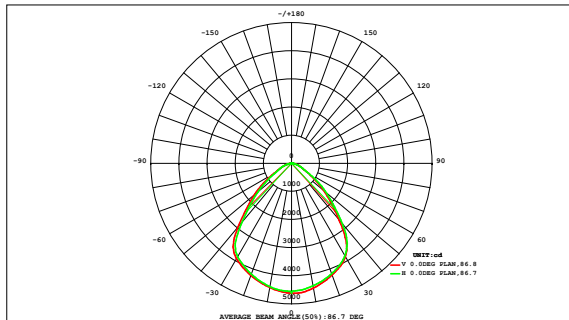
Luminaire Efficiency (Light Output Ratio)	59.5 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 19 October 2022

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: 98DUBLIN150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F302 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98DUBLIN150SMD	Imax (cd)	4621
NOMINAL POWER (W)	150	AVAILABILITY (%)	56.6
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	8489
NOMINAL FLUX (lm)	15000	LOR (%)	59.5
LAMPS INSIDE	1	TOTAL FLUX (lm)	8924
TEST VOLTAGE (V)	230	θ @50% (H,V)	87,87DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.02	0.06	0.14	0.25	0.38	0.55	0.69	0.75	0.75	0.69	0.55	0.39	0.24	0.14	0.06	0.02	0.01		
90	0.01	0.10	0.41	1.07	2.05	3.20	4.35	5.24	5.75	5.77	5.29	4.39	3.22	2.04	1.06	0.41	0.09	0.01	44.5	0.00
80	0.02	0.27	1.20	2.95	5.38	8.03	10.6	12.7	13.9	14.0	12.8	10.8	8.15	5.42	2.95	1.18	0.27	0.02	110	32.5
70	0.03	0.52	2.22	5.17	9.09	14.1	20.8	27.2	31.3	31.6	27.8	21.7	15.0	9.37	5.24	2.22	0.52	0.03	224	193
60	0.05	0.81	3.27	7.38	14.1	26.0	40.8	53.7	62.2	63.0	55.9	43.8	29.2	15.9	7.70	3.30	0.81	0.05	428	410
50	0.07	1.10	4.21	9.85	22.4	42.2	65.4	88.5	102	103	92.5	70.8	46.7	26.4	11.0	4.28	1.10	0.07	691	678
40	0.09	1.34	4.98	12.9	31.6	59.0	92.6	113	121	121	114	96.9	64.5	35.7	15.2	5.16	1.35	0.09	891	880
30	0.10	1.51	5.57	15.9	38.7	73.9	106	122	131	130	121	107	79.9	43.0	18.6	5.92	1.54	0.10	1001	992
20	0.11	1.60	5.91	17.8	42.8	81.7	111	127	137	135	126	110	86.9	48.0	20.9	6.35	1.65	0.11	1059	1051
10	0.11	1.60	5.90	17.8	42.4	81.1	110	126	135	136	127	112	87.7	48.7	21.1	6.37	1.65	0.11	1060	1051
0	0.10	1.50	5.50	15.9	37.9	73.1	105	121	129	130	122	108	80.6	44.3	19.0	5.97	1.56	0.10	1001	992
-10	0.09	1.32	4.87	13.0	31.3	58.6	91.9	112	120	121	114	96.9	65.7	36.5	15.2	5.26	1.38	0.09	889	879
-20	0.07	1.08	4.08	9.86	23.2	42.6	66.4	88.9	101	102	92.4	71.4	47.3	26.7	11.1	4.34	1.14	0.07	694	681
-30	0.05	0.81	3.14	7.21	14.4	26.8	41.6	55.0	63.6	64.7	57.7	45.4	30.4	16.3	7.79	3.31	0.85	0.06	439	421
-40	0.03	0.53	2.13	5.00	8.86	14.1	20.9	27.9	32.6	33.5	30.1	23.4	15.5	9.45	5.25	2.23	0.56	0.04	232	201
-50	0.02	0.27	1.17	2.85	5.14	7.76	10.3	12.4	13.6	13.8	12.7	10.6	8.02	5.35	2.96	1.22	0.29	0.02	108	28.6
-60	0.01	0.09	0.41	1.04	1.96	3.05	4.10	4.94	5.42	5.43	4.98	4.16	3.12	2.01	1.07	0.42	0.10	0.01	42.3	0.00
-70	0.01	0.03	0.06	0.13	0.23	0.36	0.48	0.58	0.63	0.64	0.58	0.48	0.35	0.23	0.13	0.06	0.03	0.01	5.01	0.00
-80																				
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.99	14.5	55.1	146	332	616	902	1098	1206	1211	1117	938	673	376	166	58.1	14.9	1.00	8924	---
Φ a	0.00	0.00	13.3	115	303	589	875	1072	1180	1186	1091	913	647	349	137	18.5	0.00	0.00	---	8489

one-half-peak spread: U:43.8,D:40.8 , L:40.0,R:47.2

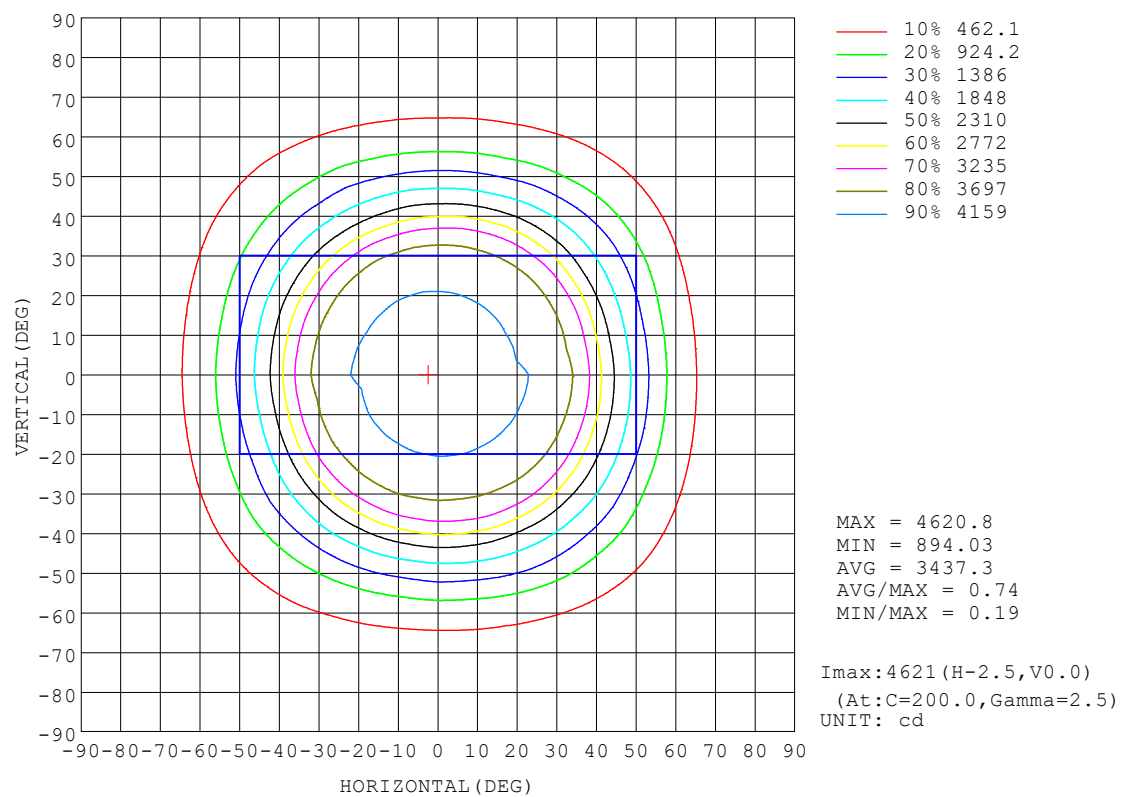
NEMA Beam Type: Type 6

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: 98DUBLIN150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F302 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

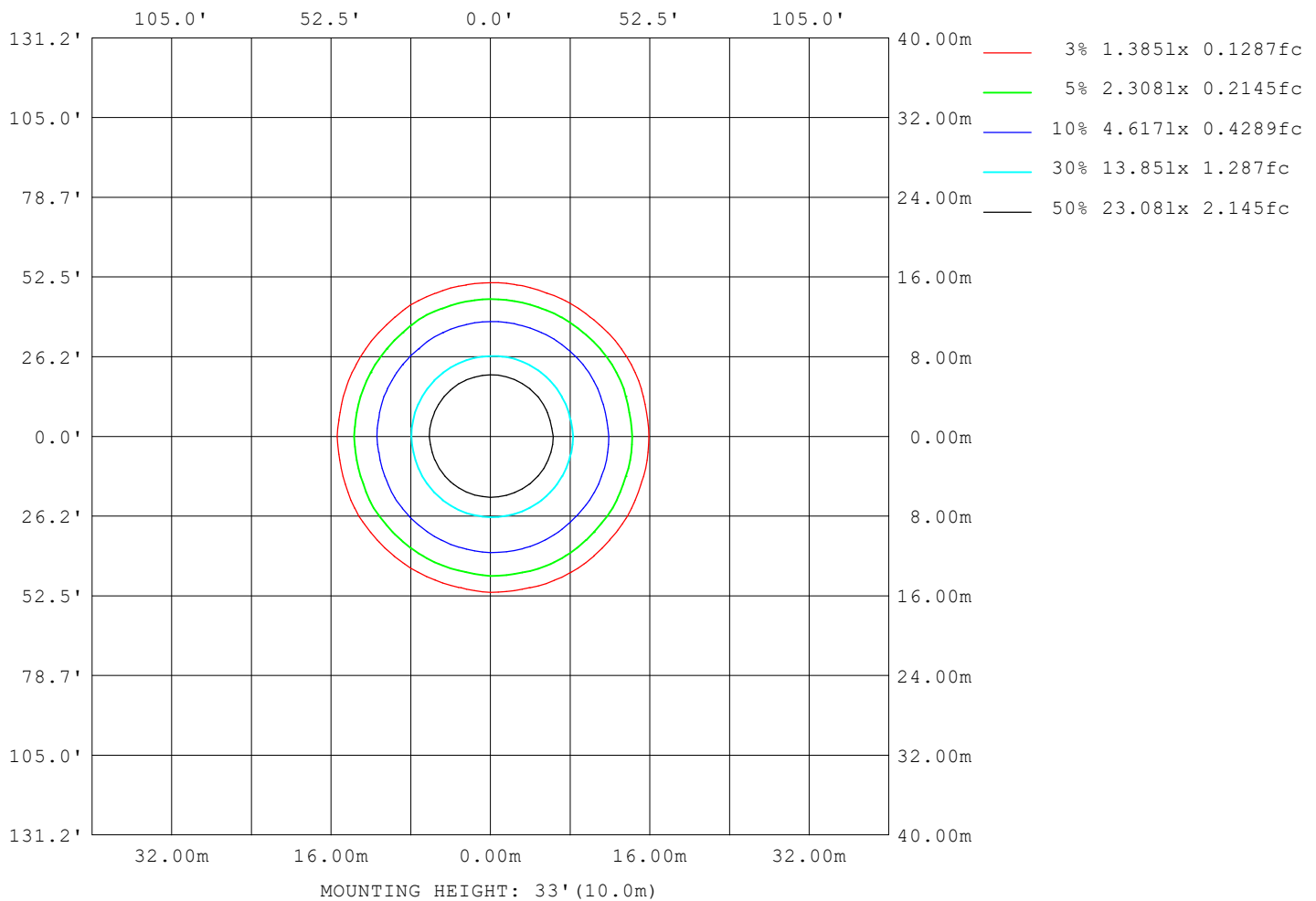


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
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γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

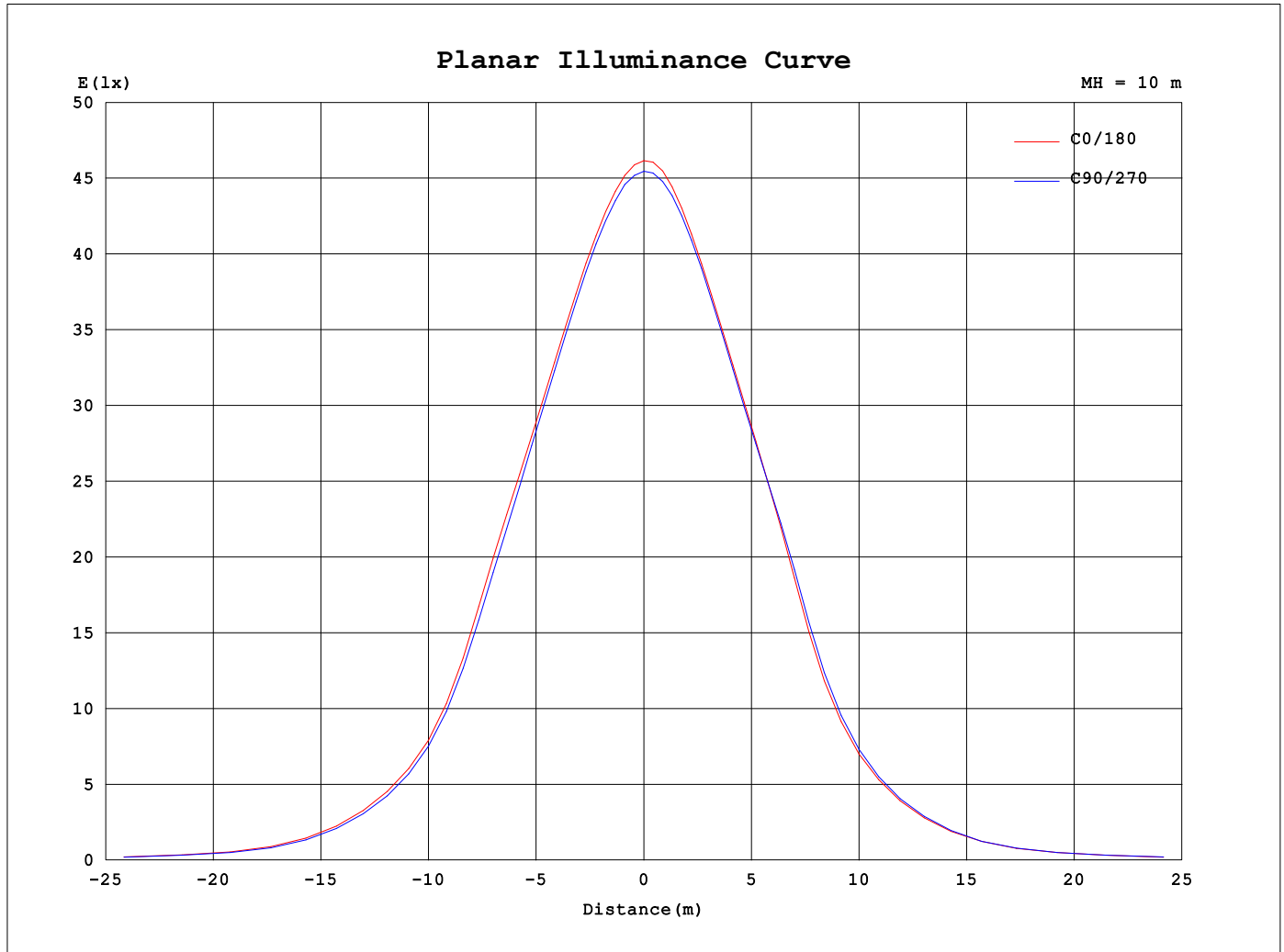
NAME: 98DUBLIN150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F302 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



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C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
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Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

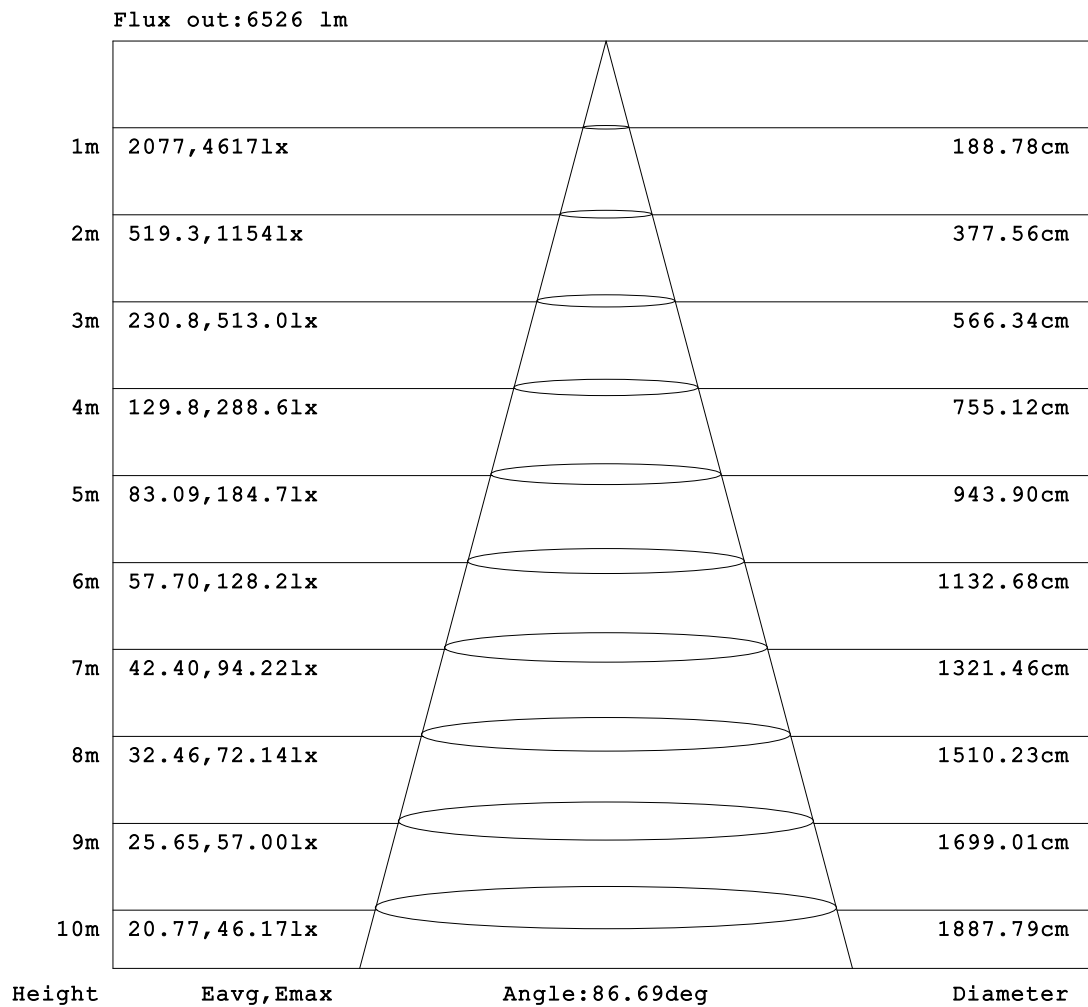


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 19 October 2022

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: 98DUBLIN150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F302 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: 98DUBLIN150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F302 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	2.17	2.30	2.43	2.43	2.44	2.43	2.43	2.43	2.42	2.41	2.39	2.38	2.36	2.35	2.33	2.33	2.32	2.32	2.32
-85	2.17	2.57	2.91	3.04	3.10	3.14	3.13	4.68	5.99	7.21	8.27	9.01	9.52	10.1	10.6	10.7	10.6	10.9	11.0
-80	2.17	2.84	3.38	4.03	8.09	11.9	15.4	22.4	28.6	34.7	40.9	47.9	53.6	59.4	64.4	67.3	69.0	71.2	72.3
-75	2.17	3.10	4.24	10.9	17.2	29.6	41.7	57.3	71.8	88.1	105	119	132	145	157	164	169	174	177
-70	2.17	3.36	8.89	18.0	34.9	55.3	78.7	105	131	158	185	210	232	253	272	286	296	304	307
-65	2.17	3.61	13.4	31.1	55.9	86.9	123	161	199	237	276	311	342	370	396	416	430	439	444
-60	2.17	3.85	17.8	43.8	79.7	123	171	222	272	321	370	416	459	500	546	591	622	647	662
-55	2.17	5.98	25.8	60.6	107	161	222	284	346	407	473	551	633	734	835	934	1007	1070	1115
-50	2.17	8.00	33.5	76.7	134	200	272	346	420	503	618	768	934	1107	1262	1391	1485	1555	1600
-45	2.17	9.89	40.6	93.6	161	238	321	407	504	642	838	1064	1289	1507	1697	1866	1993	2080	2129
-40	2.17	11.6	47.8	111	188	276	368	470	617	844	1114	1387	1663	1924	2171	2407	2605	2738	2816
-35	2.17	13.2	56.2	126	213	311	413	541	761	1073	1386	1700	2032	2390	2749	3071	3279	3399	3455
-30	2.17	14.6	63.7	141	236	343	456	622	913	1271	1634	2000	2438	2934	3328	3557	3696	3762	3797
-25	2.17	15.8	70.2	155	258	370	496	717	1052	1441	1852	2316	2901	3400	3667	3828	3933	3987	4016
-20	2.17	16.8	75.6	167	276	395	537	801	1186	1598	2061	2653	3294	3662	3873	4002	4089	4147	4175
-15	2.17	17.7	79.9	176	291	416	576	883	1298	1738	2257	2948	3530	3830	4001	4122	4218	4285	4310
-10	2.17	18.3	83.1	183	303	432	607	950	1386	1847	2434	3163	3668	3921	4082	4217	4321	4392	4421
-5	2.17	18.6	85.1	188	310	442	627	994	1450	1938	2564	3309	3754	3970	4129	4267	4390	4473	4511
0	2.17	18.8	86.0	190	314	447	636	1013	1481	1985	2632	3393	3840	4061	4223	4370	4505	4602	4617
5	2.17	18.6	85.0	188	311	444	626	991	1456	1961	2586	3328	3796	4025	4186	4325	4444	4527	4532
10	2.17	18.2	82.8	184	305	436	606	945	1395	1891	2476	3191	3714	3969	4119	4247	4360	4438	4452
15	2.17	17.6	79.5	178	295	422	577	875	1307	1783	2314	2983	3562	3867	4031	4152	4255	4318	4335
20	2.17	16.8	75.0	168	281	403	541	791	1190	1640	2115	2675	3296	3710	3914	4034	4120	4176	4190
25	2.17	15.7	69.4	157	263	379	504	709	1050	1459	1877	2340	2904	3425	3724	3882	3962	4012	4023
30	2.17	14.5	62.7	143	242	352	467	618	894	1247	1623	2010	2444	2919	3350	3619	3748	3819	3840
35	2.17	13.1	55.1	127	219	321	426	544	738	1023	1357	1684	2010	2348	2712	3053	3284	3437	3494
40	2.17	11.5	46.5	111	194	286	382	479	604	809	1079	1359	1623	1884	2127	2349	2557	2698	2752
45	2.17	9.82	39.3	93.0	167	248	334	418	507	629	814	1032	1254	1481	1668	1821	1956	2044	2068
50	2.17	7.95	32.4	75.6	138	209	283	357	431	510	612	747	912	1094	1239	1350	1446	1507	1531
55	2.17	5.95	25.0	59.4	110	168	230	294	358	420	480	546	630	737	821	907	976	1020	1038
60	2.17	3.85	17.4	42.5	81.2	127	177	230	284	335	381	425	469	510	552	592	624	639	640
65	2.17	3.59	13.1	30.5	56.6	89.2	126	167	208	249	287	322	355	383	407	427	443	451	454
70	2.17	3.32	8.73	17.9	35.2	56.3	79.6	108	137	166	192	220	244	265	282	297	309	315	316
75	2.17	3.04	4.22	10.9	17.6	30.1	42.1	58.8	75.4	91.8	108	125	142	155	165	175	182	186	187
80	2.17	2.75	3.30	4.17	8.45	12.3	15.7	23.1	30.2	36.1	41.8	50.2	58.0	65.2	71.1	75.7	79.3	80.3	80.1
85	2.17	2.46	2.73	2.99	3.23	3.39	3.50	5.18	6.67	7.84	8.82	10.2	11.6	12.7	13.8	14.5	15.1	15.1	14.9
90	2.17	2.16	2.16	2.16	2.16	2.16	2.16	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.04	2.03	2.02	2.00

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: 98DUBLIN150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F302 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	2.32	2.32	2.32	2.32	2.32	2.31	2.32	2.32	2.33	2.33	2.33	2.34	2.33	2.33	2.33	2.34	2.33	2.32	
-85	10.9	10.7	10.8	10.6	9.76	8.84	8.47	7.86	6.94	5.87	4.74	3.30	3.27	3.19	3.13	2.97	2.67	2.32	
-80	71.3	69.3	67.8	65.0	60.1	54.3	48.3	40.9	34.7	28.6	22.4	15.4	12.4	8.62	4.32	3.60	3.01	2.32	
-75	175	170	166	158	148	135	122	108	90.3	73.4	58.7	43.0	31.0	18.4	11.7	4.62	3.34	2.32	
-70	304	297	288	275	258	237	216	190	163	135	109	81.6	57.8	37.0	19.4	9.63	3.67	2.32	
-65	442	434	421	403	379	351	321	286	246	207	168	128	90.6	59.0	33.3	14.5	3.99	2.32	
-60	660	649	622	581	545	485	433	386	336	284	231	178	128	83.7	46.7	19.1	4.30	2.32	
-55	1100	1067	1020	932	826	704	598	507	430	364	298	232	168	112	64.2	27.4	6.48	2.32	
-50	1595	1556	1489	1387	1249	1071	878	692	554	449	366	286	209	140	81.1	35.3	8.55	2.32	
-45	2116	2058	1956	1814	1653	1450	1219	961	728	558	436	340	250	170	98.9	42.6	10.5	2.32	
-40	2791	2695	2513	2283	2055	1817	1554	1274	975	701	514	392	292	197	117	49.9	12.2	2.32	
-35	3433	3359	3212	2932	2575	2207	1881	1573	1239	879	603	445	330	225	133	58.3	13.8	2.32	
-30	3777	3732	3634	3475	3166	2695	2231	1856	1474	1066	706	498	365	250	148	65.6	15.2	2.32	
-25	4006	3970	3888	3768	3571	3181	2620	2119	1691	1244	834	551	397	272	162	71.9	16.4	2.32	
-20	4164	4120	4050	3950	3792	3522	2992	2372	1878	1413	951	606	424	291	173	77.1	17.4	2.32	
-15	4297	4246	4169	4066	3931	3711	3287	2603	2035	1548	1063	657	445	306	183	81.1	18.2	2.32	
-10	4400	4346	4263	4151	4010	3826	3470	2808	2156	1643	1140	694	459	317	189	83.9	18.7	2.32	
-5	4488	4424	4330	4210	4066	3894	3584	2931	2222	1696	1186	717	468	323	194	85.6	19.1	2.32	
0	4573	4484	4373	4241	4092	3920	3628	2971	2241	1712	1200	725	471	325	195	86.0	19.2	2.32	
5	4473	4376	4273	4143	3994	3833	3548	2895	2188	1674	1175	711	465	322	193	84.9	19.0	2.32	
10	4403	4324	4216	4090	3951	3777	3435	2748	2089	1600	1120	685	453	314	188	82.7	18.5	2.32	
15	4300	4231	4134	4014	3874	3690	3275	2544	1969	1507	1038	650	436	302	181	79.3	17.9	2.32	
20	4166	4107	4022	3914	3775	3515	2954	2304	1822	1394	941	607	414	287	171	74.7	17.0	2.32	
25	4009	3957	3882	3774	3587	3166	2552	2051	1657	1254	833	550	387	268	159	69.1	16.0	2.32	
30	3826	3773	3679	3498	3148	2668	2187	1816	1461	1073	709	490	359	246	144	62.4	14.8	2.32	
35	3481	3380	3210	2917	2548	2190	1869	1555	1224	872	599	437	326	222	128	54.6	13.4	2.32	
40	2750	2658	2485	2278	2036	1788	1529	1255	953	685	508	389	290	195	111	46.0	11.8	2.32	
45	2061	2000	1887	1756	1589	1387	1165	934	703	559	428	339	251	167	92.5	38.8	10.1	2.32	
50	1524	1475	1387	1289	1156	986	818	666	542	442	363	286	210	138	74.9	31.9	8.23	2.32	
55	1027	990	925	845	765	662	591	503	429	363	297	232	168	109	58.7	24.6	6.27	2.32	
60	643	631	599	561	522	484	436	388	339	286	231	177	127	80.1	41.8	17.1	4.21	2.32	
65	454	448	432	412	388	360	326	290	251	209	166	125	88.1	55.8	29.9	12.9	3.88	2.32	
70	316	311	300	285	268	247	222	194	166	136	107	78.6	55.6	34.7	17.5	8.69	3.55	2.32	
75	187	183	176	167	156	143	125	108	91.1	74.4	58.1	41.9	29.8	17.3	10.8	4.35	3.20	2.32	
80	80.4	79.4	76.1	71.6	65.7	58.6	50.0	40.6	35.3	29.8	22.9	15.5	12.2	8.45	4.30	3.34	2.85	2.32	
85	15.1	15.1	14.6	13.9	13.0	12.0	10.5	8.96	7.93	6.74	5.26	3.61	3.47	3.28	2.98	2.65	2.50	2.32	
90	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.99	1.98	1.97	1.96	2.14	2.32	

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: