

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	313.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	129.1V x 129.5H
	At 50% of Imax	85.4V x 85.9H
	At 90% of Imax	42.5V x 44.7H

Beam Flux	Total	605.2 lumens per klm.
	To 10% of Imax	577.4 lumens per klm.
	To 50% of Imax	423.4 lumens per klm.
	To 90% of Imax	141.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	60.5 %

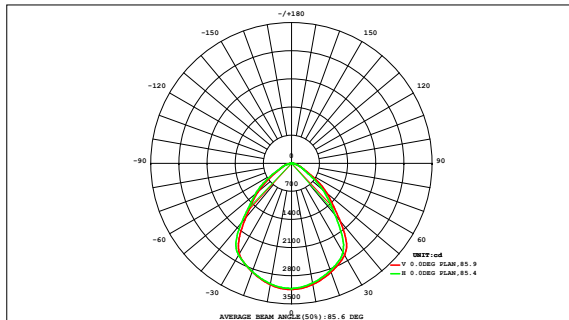
Luminaire Efficiency (Light Output Ratio)	60.5 %
---	--------

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: 98DUBLIN100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F237 x 65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98DUBLIN100SMD	Imax (cd)	3138
NOMINAL POWER (W)	100	AVAILABILITY (%)	57.6
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	5761
NOMINAL FLUX (lm)	10000	LOR (%)	60.5
LAMPS INSIDE	1	TOTAL FLUX (lm)	6050
TEST VOLTAGE (V)	230	θ @50% (H,V)	86,85DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.00	0.01	0.03	0.07	0.13	0.22	0.32	0.39	0.42	0.42	0.39	0.32	0.23	0.13	0.07	0.03	0.01	0.00	3.20	0.00
90	0.00	0.05	0.23	0.63	1.30	2.13	2.92	3.50	3.83	3.83	3.50	2.91	2.14	1.32	0.64	0.23	0.05	0.01	29.2	0.00
80	0.01	0.15	0.75	1.98	3.71	5.58	7.47	9.13	10.2	10.1	9.00	7.40	5.55	3.67	1.97	0.75	0.15	0.01	77.5	26.5
70	0.02	0.32	1.50	3.59	6.49	11.0	17.0	22.5	25.5	25.2	21.6	16.1	10.3	6.33	3.54	1.48	0.32	0.02	173	153
60	0.03	0.52	2.25	5.25	11.4	21.7	32.0	40.4	45.3	45.0	39.9	31.3	20.4	10.5	5.08	2.22	0.52	0.03	314	302
50	0.04	0.73	2.92	7.58	18.5	32.6	48.7	63.7	71.2	70.9	62.6	47.4	31.5	17.1	7.01	2.86	0.72	0.04	486	478
40	0.05	0.90	3.49	10.5	24.9	43.8	66.0	78.3	83.3	83.1	77.6	64.1	41.8	23.4	9.48	3.39	0.89	0.05	615	608
30	0.06	1.03	3.96	12.9	29.3	53.4	73.5	83.9	89.4	89.0	83.1	72.2	50.9	27.7	11.7	3.80	1.02	0.06	687	681
20	0.06	1.09	4.23	14.2	31.6	57.8	76.0	86.9	93.3	92.8	86.1	75.1	55.4	30.0	12.9	4.05	1.08	0.07	723	717
10	0.07	1.09	4.20	14.0	31.2	57.1	75.2	85.9	92.4	93.1	86.6	75.3	55.1	29.9	12.8	4.05	1.08	0.07	719	713
0	0.06	1.02	3.88	12.3	28.0	51.2	72.1	82.6	88.3	88.5	82.8	71.5	49.1	27.0	11.3	3.80	1.02	0.06	674	668
-10	0.05	0.90	3.40	9.58	23.1	40.9	62.3	76.2	81.8	81.7	75.5	60.4	39.2	21.9	9.00	3.38	0.91	0.05	590	583
-20	0.04	0.73	2.83	6.90	16.4	29.8	44.2	57.5	64.9	64.4	56.2	42.7	28.6	15.4	6.66	2.83	0.74	0.04	441	432
-30	0.03	0.53	2.17	4.98	9.84	18.2	27.7	35.4	39.6	39.6	35.1	27.1	17.5	9.46	4.93	2.17	0.55	0.03	275	262
-40	0.02	0.33	1.44	3.44	6.05	9.39	13.6	17.5	20.0	20.2	17.7	13.4	9.26	5.98	3.42	1.46	0.34	0.02	143	121
-50	0.01	0.16	0.74	1.89	3.46	5.23	6.86	8.15	8.86	8.86	8.12	6.81	5.19	3.45	1.90	0.76	0.17	0.01	70.6	16.3
-60	0.00	0.05	0.23	0.62	1.21	1.92	2.58	3.10	3.38	3.38	3.10	2.58	1.92	1.22	0.63	0.24	0.05	0.01	26.2	0.00
-70	0.00	0.01	0.03	0.07	0.12	0.18	0.25	0.29	0.32	0.32	0.30	0.25	0.19	0.12	0.07	0.03	0.01	0.00	2.59	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORIZONTAL (DEG)																				
Φ t	0.56	9.64	38.3	110	247	442	629	755	822	820	749	617	424	235	103	37.5	9.66	0.58	6050	---
Φ a	0.00	0.00	11.2	90.1	228	425	612	739	806	804	732	599	407	216	82.3	9.68	0.00	0.00	---	5761

one-half-peak spread: U:41.7,D:44.1 , L:43.6,R:42.7

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

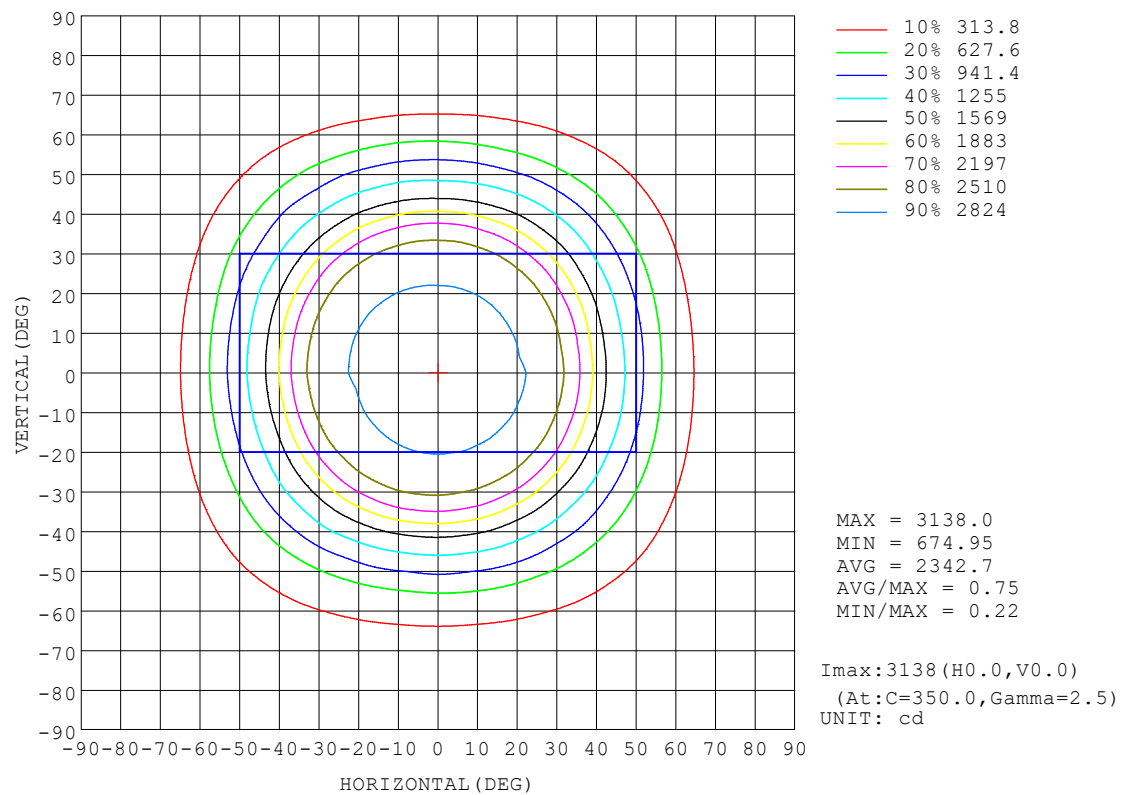
Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

**ISOCANDELA DIAGRAM**

NAME: 98DUBLIN100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F237 x 65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

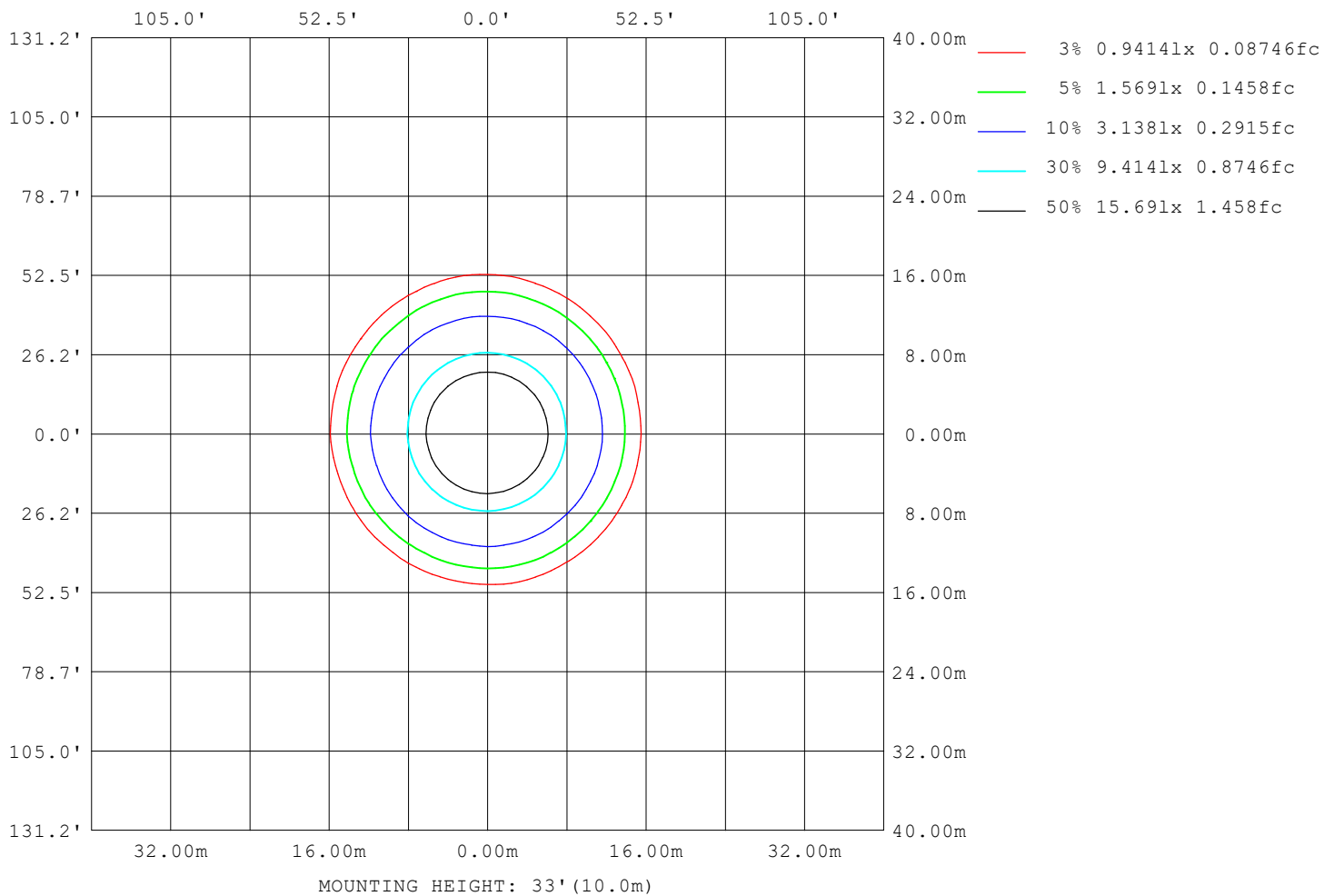


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 19 October 2022

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:

## ISOLUX DIAGRAM

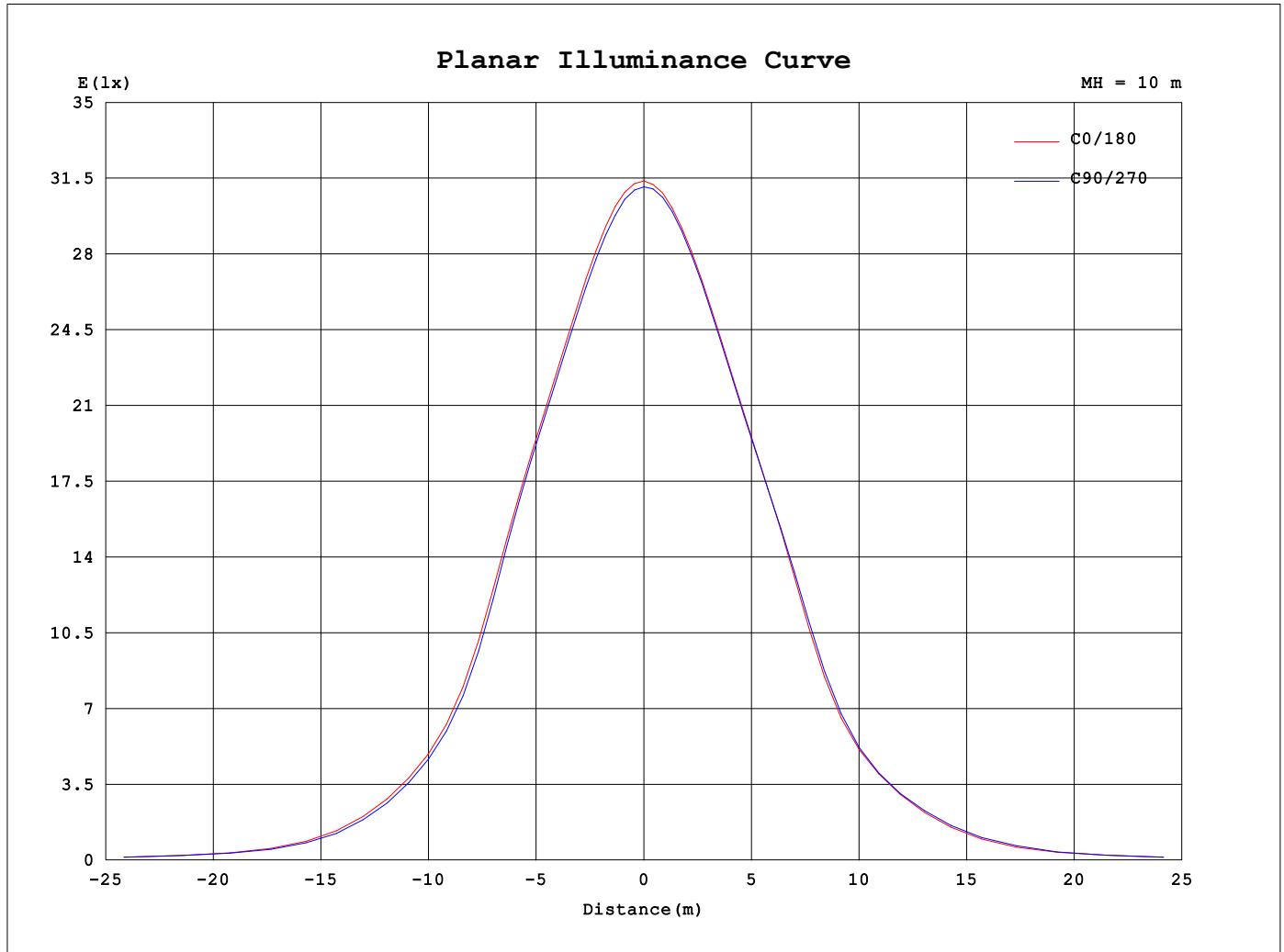
NAME: 98DUBLIN100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F237 x 65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



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

# Planar Illuminance Curve

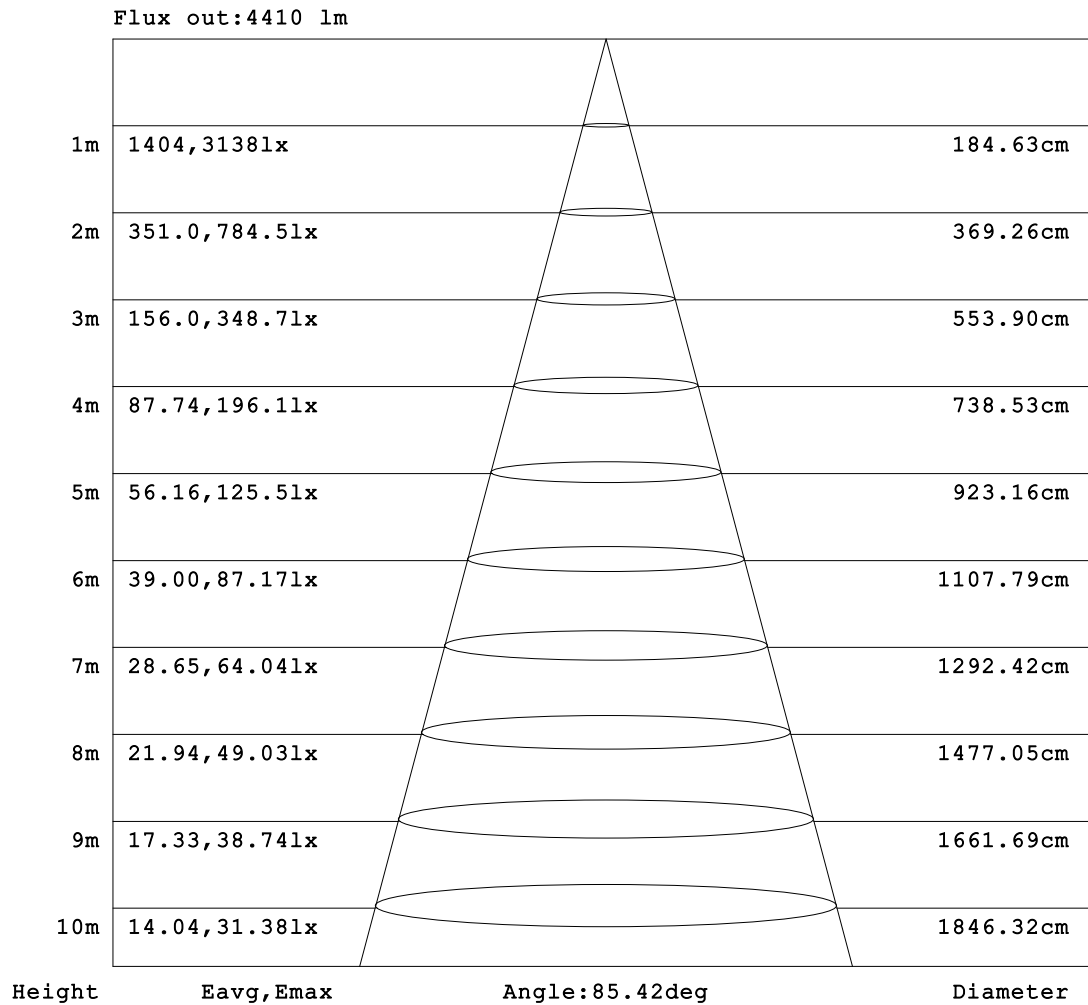


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 19 October 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 98DUBLIN100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F237 x 65	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: 98DUBLIN100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F237 x 65	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	1.35	1.46	1.58	1.59	1.60	1.61	1.62	1.62	1.63	1.62	1.62	1.62	1.61	1.62	1.62	1.63	1.63	1.64	1.64
-85	1.35	1.52	1.67	1.68	1.66	1.63	1.59	2.35	2.96	3.50	3.93	4.11	4.15	4.20	4.15	4.03	3.84	3.89	3.91
-80	1.35	1.57	1.76	1.98	4.07	5.88	7.38	11.5	15.1	18.5	22.2	26.6	30.0	33.3	36.0	37.7	38.5	39.8	40.4
-75	1.35	1.62	2.06	5.56	8.82	16.3	23.3	33.4	42.9	53.8	65.2	74.0	82.1	90.8	98.1	103	105	108	110
-70	1.35	1.67	4.56	9.42	19.8	32.7	48.0	66.3	83.8	103	121	138	152	166	178	186	191	195	196
-65	1.35	1.72	6.99	17.7	33.6	54.3	79.8	107	133	160	186	209	230	249	265	277	285	291	293
-60	1.35	1.77	9.34	25.8	49.9	80.6	116	151	185	219	252	283	310	334	359	380	395	406	411
-55	1.35	2.92	14.4	37.4	69.8	109	152	196	238	279	321	365	412	479	533	582	619	646	661
-50	1.35	4.01	19.3	48.7	89.6	138	188	239	290	342	411	509	613	709	807	890	937	974	1001
-45	1.35	5.02	23.8	61.1	110	165	223	282	345	434	579	720	877	1006	1117	1210	1269	1307	1322
-40	1.35	5.96	28.5	73.6	130	191	256	325	426	587	773	970	1150	1300	1424	1534	1625	1675	1692
-35	1.35	6.82	34.2	84.8	148	216	287	376	537	758	987	1193	1397	1590	1782	1964	2097	2170	2194
-30	1.35	7.57	39.2	95.8	164	238	319	442	664	928	1174	1408	1659	1950	2206	2384	2494	2545	2565
-25	1.35	8.23	43.6	106	179	258	350	525	793	1075	1336	1617	1971	2297	2506	2616	2680	2712	2725
-20	1.35	8.78	47.2	114	192	276	385	605	910	1190	1477	1851	2260	2518	2653	2733	2787	2823	2836
-15	1.35	9.23	50.0	121	202	290	422	684	1000	1290	1612	2069	2445	2633	2735	2814	2877	2921	2939
-10	1.35	9.55	52.0	126	209	301	452	745	1069	1375	1745	2226	2547	2692	2795	2882	2951	3001	3024
-5	1.35	9.76	53.2	129	214	308	473	787	1119	1427	1838	2331	2603	2729	2833	2925	3003	3058	3090
0	1.35	9.84	53.6	130	216	312	484	809	1147	1449	1887	2384	2642	2771	2881	2977	3059	3118	3138
5	1.35	9.73	52.9	129	215	310	480	800	1135	1444	1869	2359	2628	2759	2868	2965	3040	3090	3098
10	1.35	9.50	51.4	126	211	304	465	770	1101	1409	1806	2286	2591	2731	2833	2924	2994	3034	3043
15	1.35	9.15	49.1	121	204	294	439	718	1050	1347	1699	2169	2512	2679	2779	2859	2921	2957	2965
20	1.35	8.69	46.0	114	194	280	403	651	977	1266	1568	1971	2367	2595	2703	2776	2829	2861	2866
25	1.35	8.13	42.1	106	182	263	366	578	877	1157	1415	1737	2131	2440	2595	2676	2725	2754	2758
30	1.35	7.46	37.5	95.2	167	244	331	491	750	1017	1255	1505	1819	2140	2385	2525	2595	2632	2640
35	1.35	6.70	32.2	83.5	151	222	298	410	613	857	1093	1297	1507	1750	2007	2204	2327	2405	2424
40	1.35	5.85	26.3	71.4	133	198	265	345	482	681	911	1102	1262	1425	1592	1734	1860	1937	1950
45	1.35	4.91	21.7	58.4	113	172	232	293	374	507	689	873	1023	1165	1275	1366	1436	1473	1476
50	1.35	3.91	17.6	46.0	91.3	144	196	249	303	375	489	631	767	902	1003	1073	1131	1162	1164
55	1.35	2.84	13.3	34.9	70.6	114	159	204	250	296	349	424	517	606	689	764	822	851	856
60	1.35	1.72	8.83	23.5	49.6	83.7	120	158	197	233	267	301	340	380	426	475	506	526	535
65	1.35	1.66	6.59	16.5	33.3	55.3	81.8	112	143	172	198	223	247	267	285	300	312	317	318
70	1.35	1.60	4.29	9.06	19.6	32.9	48.4	68.5	89.9	112	132	150	167	182	193	203	211	215	215
75	1.35	1.54	1.94	5.37	8.88	16.3	23.0	33.6	44.0	57.1	70.5	82.9	94.5	103	110	117	122	124	124
80	1.35	1.47	1.60	1.89	4.07	5.95	7.56	11.6	15.1	19.4	24.5	31.1	37.2	41.1	44.0	46.9	49.0	49.7	49.6
85	1.35	1.41	1.47	1.51	1.54	1.52	1.46	2.24	2.92	3.80	4.73	5.45	6.11	6.36	6.46	6.63	6.71	6.62	6.43
90	1.35	1.34	1.33	1.33	1.33	1.33	1.33	1.33	1.32	1.31	1.30	1.29	1.28	1.28	1.27	1.28	1.28	1.28	1.28

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: 98DUBLIN100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F237 x 65	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	1.64	1.64	1.65	1.65	1.64	1.64	1.65	1.65	1.66	1.66	1.67	1.67	1.67	1.66	1.65	1.63	1.63	1.62	
-85	3.93	3.92	4.12	4.24	4.31	4.29	4.27	4.09	3.66	3.10	2.47	1.66	1.74	1.78	1.80	1.78	1.71	1.62	
-80	40.0	38.9	38.1	36.5	33.8	30.4	26.9	22.6	19.0	15.6	12.1	8.00	6.40	4.46	2.19	1.93	1.79	1.62	
-75	108	105	103	98.1	91.0	82.4	74.0	65.0	54.0	43.3	34.2	24.2	17.3	9.64	6.10	2.31	1.87	1.62	
-70	194	190	185	177	165	151	138	121	103	84.5	67.2	49.4	34.1	21.1	10.3	5.02	1.95	1.62	
-65	290	284	275	263	247	228	207	185	159	133	107	81.0	56.0	35.3	19.0	7.66	2.03	1.62	
-60	408	399	382	358	331	307	280	250	218	185	151	116	82.5	51.8	27.5	10.2	2.11	1.62	
-55	651	629	588	527	469	409	361	317	277	236	195	152	110	71.9	39.4	15.5	3.31	1.62	
-50	978	939	887	806	703	599	497	400	337	287	238	187	138	91.6	51.0	20.5	4.46	1.62	
-45	1305	1265	1199	1105	986	841	692	553	417	340	280	222	165	112	63.3	25.1	5.52	1.62	
-40	1664	1607	1511	1388	1258	1101	929	732	554	408	321	254	191	131	75.7	29.8	6.50	1.62	
-35	2150	2061	1915	1726	1536	1339	1149	934	707	509	364	286	216	149	86.6	35.5	7.38	1.62	
-30	2530	2465	2335	2138	1873	1590	1348	1118	866	622	416	315	238	165	97.1	40.5	8.16	1.62	
-25	2710	2677	2600	2462	2219	1887	1556	1285	1019	733	493	341	258	179	107	44.6	8.83	1.62	
-20	2824	2789	2733	2644	2471	2170	1771	1429	1144	848	561	370	274	191	114	48.1	9.39	1.62	
-15	2930	2888	2824	2742	2621	2373	1970	1559	1250	942	626	398	287	201	121	50.7	9.83	1.62	
-10	3016	2974	2901	2807	2695	2501	2132	1681	1334	1011	677	420	297	208	125	52.5	10.2	1.62	
-5	3083	3035	2953	2853	2740	2577	2236	1756	1378	1053	709	434	303	212	128	53.5	10.3	1.62	
0	3123	3065	2981	2875	2759	2607	2277	1786	1392	1070	723	440	305	214	129	53.7	10.4	1.62	
5	3074	3015	2934	2833	2722	2575	2248	1764	1374	1062	717	436	303	212	128	53.0	10.3	1.62	
10	3021	2968	2892	2801	2697	2528	2175	1701	1330	1031	691	423	297	207	125	51.5	10.0	1.62	
15	2945	2900	2832	2748	2639	2439	2059	1604	1277	976	644	402	287	200	120	49.3	9.66	1.62	
20	2852	2815	2754	2674	2542	2277	1872	1493	1194	896	582	374	274	191	113	46.2	9.17	1.62	
25	2749	2715	2657	2553	2366	2040	1655	1351	1088	793	518	346	258	179	105	42.4	8.58	1.62	
30	2627	2581	2493	2327	2065	1749	1451	1205	952	675	443	319	239	164	94.8	37.8	7.89	1.62	
35	2395	2303	2162	1953	1703	1470	1263	1041	787	550	381	290	218	149	83.4	32.6	7.10	1.62	
40	1926	1839	1707	1567	1401	1238	1055	844	617	438	330	260	195	131	71.5	26.7	6.23	1.62	
45	1464	1420	1348	1257	1140	993	818	633	464	353	287	228	169	111	58.6	22.1	5.28	1.62	
50	1152	1116	1053	970	859	720	578	452	358	297	245	193	141	90.6	46.3	17.9	4.25	1.62	
55	838	798	731	652	570	475	397	338	291	246	201	157	113	70.4	35.2	13.5	3.17	1.62	
60	515	486	450	408	369	332	297	264	230	194	157	119	83.0	50.0	23.8	8.98	2.03	1.62	
65	316	311	299	284	266	246	222	196	170	142	111	81.9	55.5	33.6	16.7	6.74	1.94	1.62	
70	214	211	203	193	181	166	149	131	112	90.0	68.9	48.7	33.3	19.9	9.22	4.44	1.86	1.62	
75	124	121	117	110	103	94.3	83.6	72.1	58.3	44.8	34.1	23.4	16.6	9.12	5.51	2.10	1.77	1.62	
80	49.6	48.8	46.7	43.9	41.2	37.6	32.3	26.3	20.5	15.6	12.0	7.71	6.10	4.20	2.01	1.73	1.68	1.62	
85	6.60	6.69	6.67	6.54	6.47	6.25	5.67	4.98	3.99	3.05	2.29	1.48	1.56	1.61	1.59	1.55	1.59	1.62	
90	1.28	1.28	1.28	1.29	1.29	1.30	1.31	1.31	1.33	1.34	1.36	1.37	1.38	1.38	1.38	1.38	1.50	1.62	

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: