

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

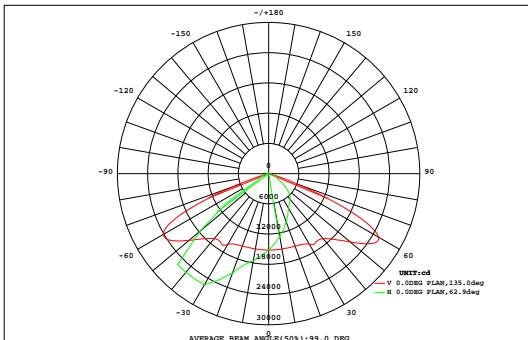
Maximum Intensity (Luminaire orientation as tested.)		3345.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	114.7V x 143.3H 83.0V x 131.8H 24.7V x 120.0H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	7079.3 lumens per klm. 6891.1 lumens per klm. 4973.2 lumens per klm. 737.4 lumens per klm.
	Upward LOR Downward LOR	0.0 % 707.9 %
Luminaire Efficiency(Light Output Ratio)		710.2 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-03-23

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.160m [K=1.0000]
Remarks:5050 4000K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:222.3V I:1.864A P:404.1W PF:0.9754 Lamp Flux:8571.77x1 lm		
NAME: 400W	TYPE:4000K	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:150.66lm/W	
MODEL		I _{max} (cd)	28678
NOMINAL POWER(W)	408	AVAILABILITY(%)	691.7
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	59293
NOMINAL FLUX(lm)	8571.77	LOR(%)	710.2
LAMPS INSIDE	1	TOTAL FLUX(lm)	60875
TEST VOLTAGE(V)	222.3	θ @50%(H,V)	132,83DEG

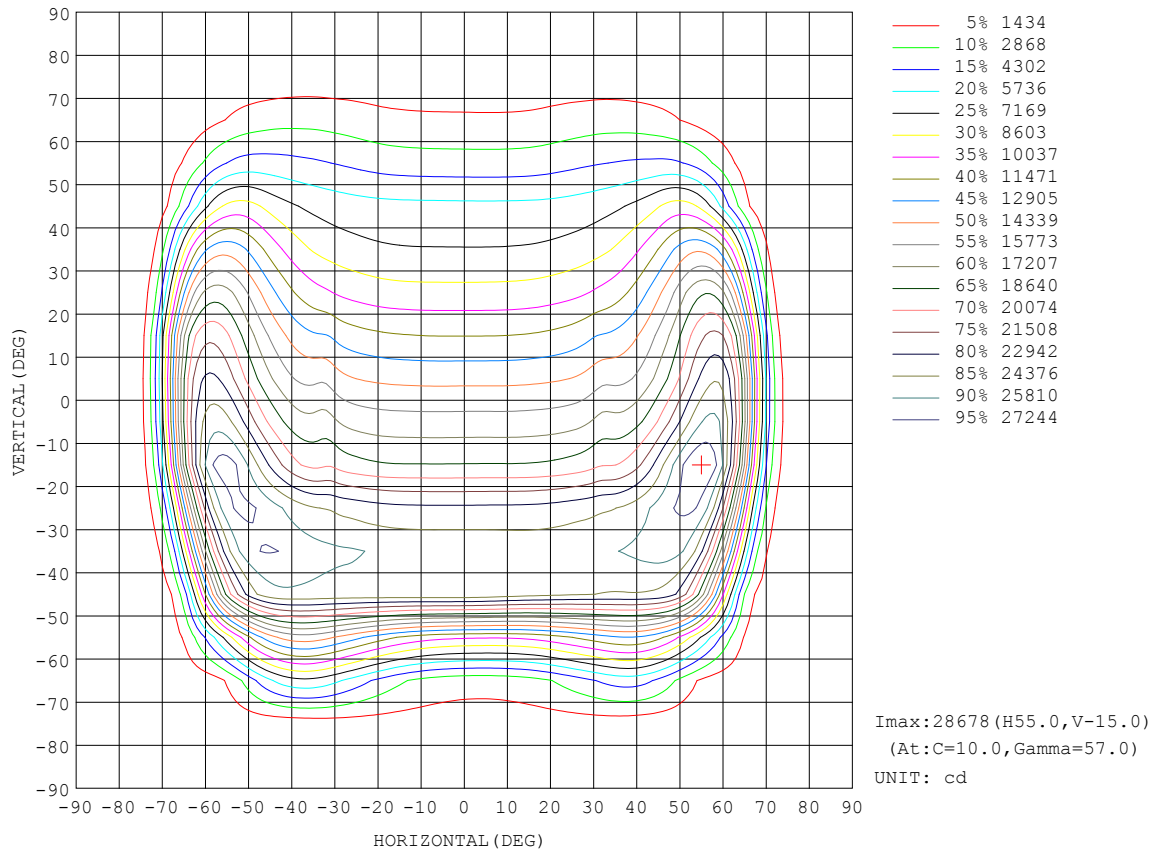
VERTICAL(DEG)	AREA FLUX DIAGRAM															UNIT:lm				Φ t	Φ a															
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
80	0.21	1.14	2.66	4.90	7.65	10.8	11.9	12.2	12.6	12.5	12.1	11.6	9.95	6.49	3.75	2.01	0.82	0.16	124	0.00																
70	0.37	2.16	6.75	26.0	48.7	59.4	56.8	50.8	49.6	49.0	49.9	55.6	55.0	39.8	16.3	4.56	1.80	0.26	573	41.0																
60	0.44	2.93	19.2	66.9	99.6	110	107	100	99.6	98.8	99.1	105	105	90.9	52.6	12.2	2.42	0.31	1173	947																
50	0.49	3.94	50.0	151	175	171	174	180	184	183	179	174	173	182	139	31.4	2.89	0.35	2156	2128																
40	0.52	7.14	108	235	235	212	210	214	219	219	215	213	219	247	239	88.2	4.69	0.40	2887	2869																
30	0.55	11.1	163	305	290	262	258	263	269	269	265	262	270	305	320	143	7.21	0.44	3663	3648																
-30	0.57	16.6	211	348	336	328	332	340	347	347	341	336	332	346	364	192	11.2	0.47	4529	4515																
-40	0.54	17.7	230	382	375	386	397	411	422	422	412	398	385	381	399	218	13.8	0.49	5253	5241																
-50	0.51	17.2	238	422	424	443	462	482	496	496	483	462	442	431	439	228	14.5	0.49	5979	5967																
-60	0.44	13.7	225	475	491	497	527	550	567	567	551	529	503	509	488	207	11.3	0.46	6712	6698																
-70	0.36	8.68	167	457	569	612	656	685	704	705	686	655	609	566	456	155	7.71	0.40	7700	7682																
-80	0.30	4.89	112	416	601	676	731	769	790	790	765	723	661	581	403	104	4.91	0.35	8133	8113																
-90	0.27	3.53	62.5	327	539	635	701	749	775	770	733	677	606	514	307	52.5	3.74	0.30	7455	7431																
-90	0.23	2.66	25.9	138	293	372	365	335	316	308	306	316	315	252	124	22.8	2.90	0.26	3494	3456																
-90	0.19	1.90	4.19	18.8	99.6	151	111	57.8	35.6	31.3	38.7	64.7	94.7	62.2	13.1	4.64	2.14	0.23	792	542																
-90	0.16	1.36	4.21	8.55	19.7	27.9	26.8	23.4	22.9	22.8	21.7	22.1	22.6	15.9	7.92	4.38	1.55	0.20	254	14.3																
-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	6.15	117	1629	3783	4603	4954	5127	5222	5309	5292	5156	5004	4803	4530	3772	1470	93.6	5.57	60875	---																
	0.00	48.9	1566	3710	4536	4883	5020	5066	5151	5140	5001	4880	4714	4439	3713	1398	25.9	0.00	---	59293																

one-half-peak spread: U:33.5,D:49.8 , L:10.3,R:1NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2018-03-23
 V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:7.160m [K=1.0000]
 Remarks:5050 4000K

ISOCANDELA DIAGRAM

Test:U:222.3V I:1.864A P:404.1W PF:0.9754 Lamp Flux:8571.77x1 lm		
NAME: 400W	TYPE:4000K	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

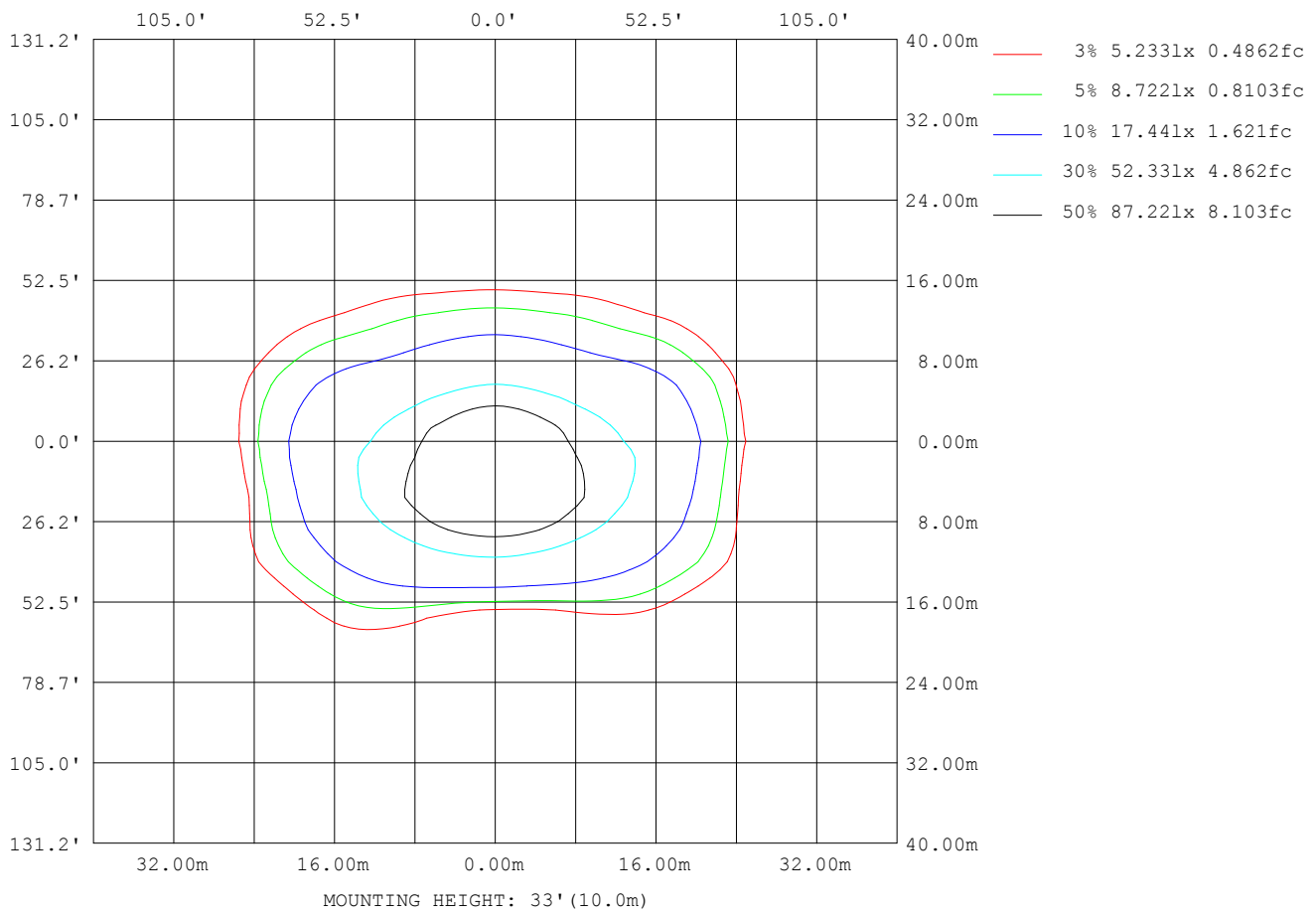


H(β) Range:-90 - 90DEG
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 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2018-03-23

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:7.160m [K=1.0000]
 Remarks:5050 4000K

ISOLUX DIAGRAM

Test:U:222.3V I:1.864A P:404.1W PF:0.9754 Lamp Flux:8571.77x1 lm		
NAME: 400W	TYPE:4000K	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

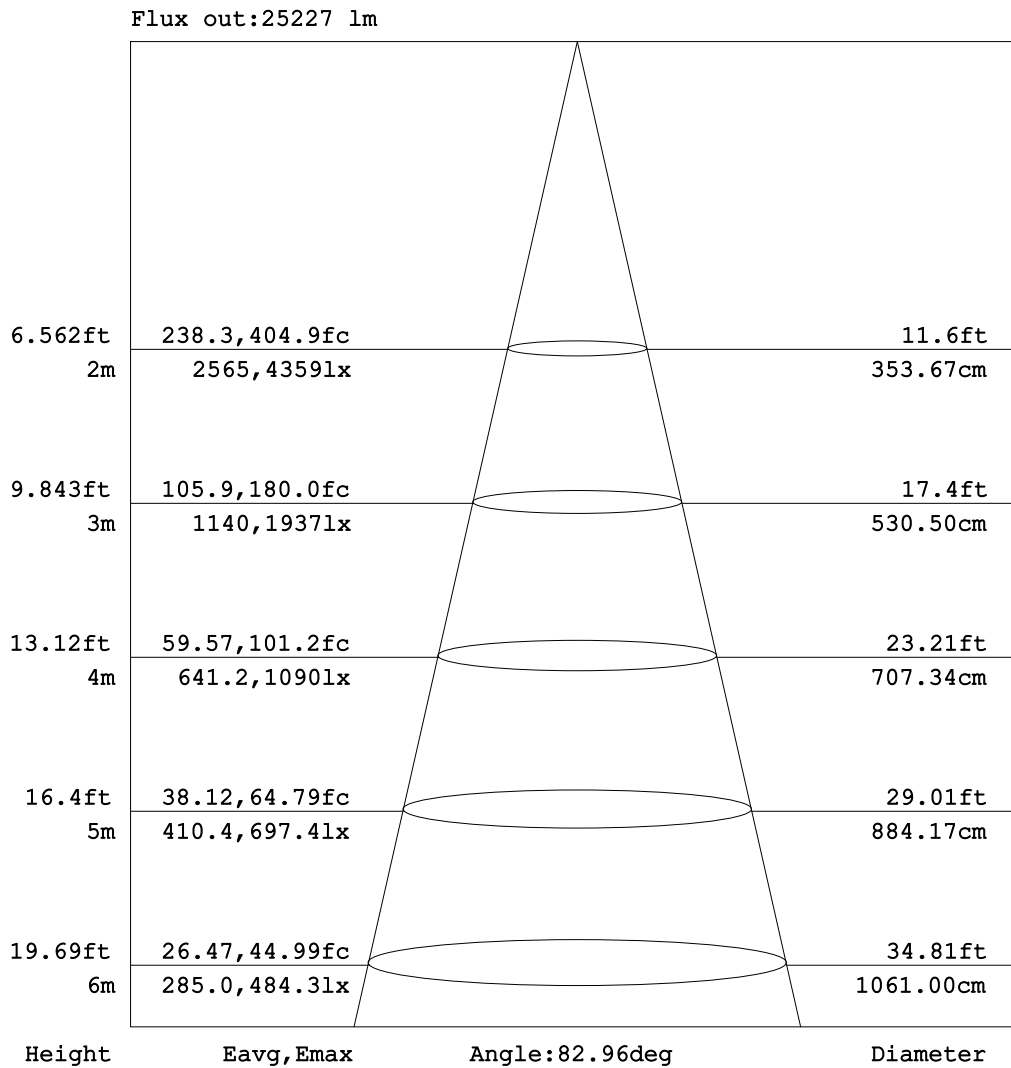


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2018-03-23

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:7.160m [K=1.0000]
 Remarks:5050 4000K

AAI Figure

Test:U:222.3V I:1.864A P:404.1W PF:0.9754 Lamp Flux:8571.77x1 lm		
NAME: 400W	TYPE:4000K	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

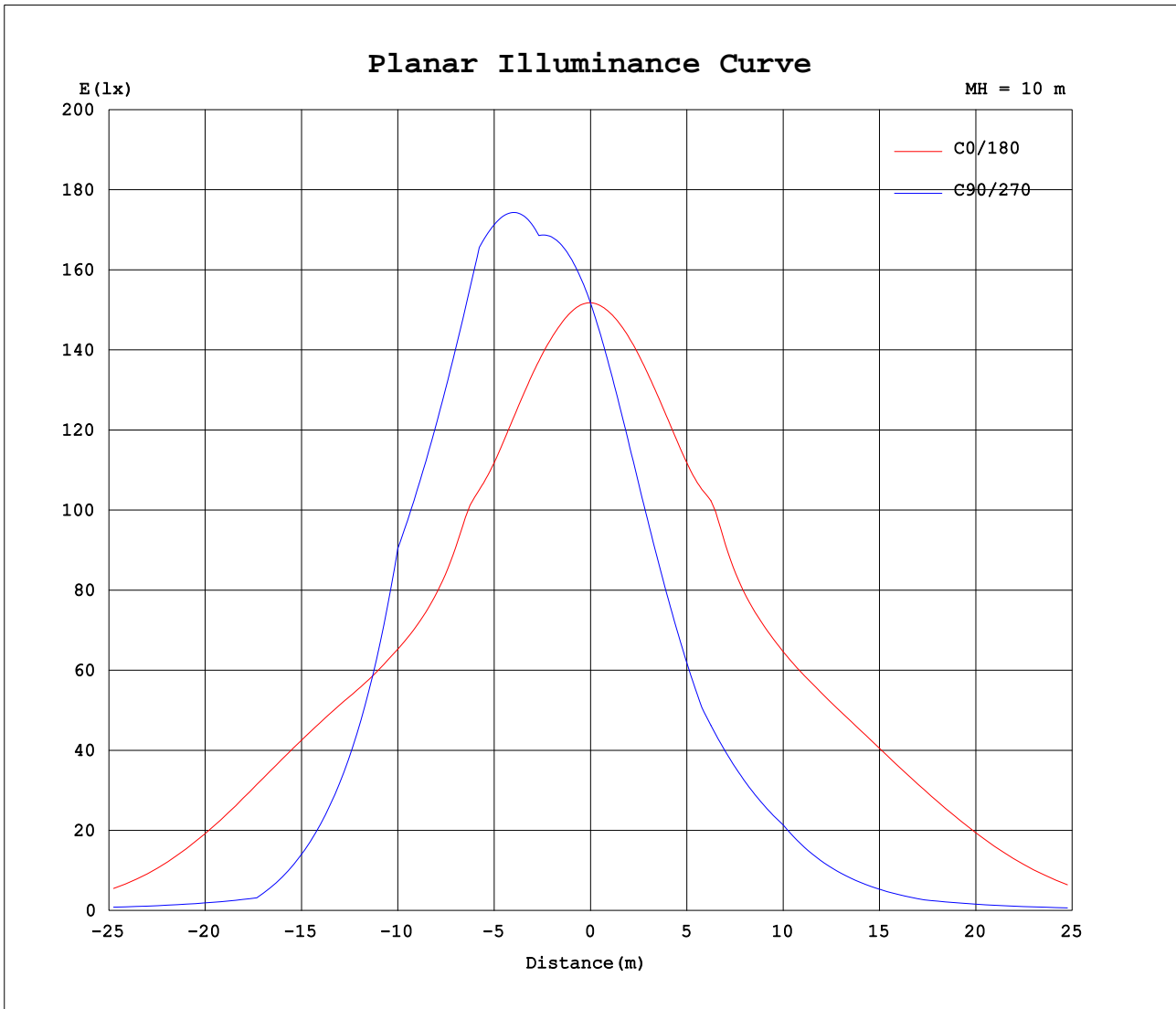


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-03-23

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.160m [K=1.0000]
Remarks:5050 4000K

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-03-23

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.160m [K=1.0000]
Remarks:5050 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.3V I:1.864A P:404.1W PF:0.9754 Lamp Flux:8571.77x1 lm		
NAME: 400W	TYPE:4000K	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: x10cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-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
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
-75	2.02	4.87	8.98	16.0	25.1	32.5	38.7	44.7	50.2	54.9	59.1	67.5	73.9	75.0	74.7	75.0	75.5	75.7	75.8
-70	2.06	5.23	10.3	19.4	30.8	40.9	53.7	102	203	304	363	373	339	289	237	194	163	144	136
-65	2.10	5.59	11.6	22.8	36.4	49.3	68.7	160	356	552	666	678	605	502	399	312	251	213	196
-60	2.14	5.95	12.9	26.1	42.1	57.7	83.7	218	509	801	970	983	871	716	561	431	338	282	256
-55	2.14	6.26	14.6	30.7	56.0	157	440	781	1119	1376	1499	1505	1428	1324	1222	1136	1076	1040	1023
-50	2.13	6.58	16.3	35.2	69.9	256	796	1343	1728	1950	2028	2028	1985	1933	1883	1842	1813	1798	1790
-45	2.12	6.90	18.0	39.7	83.8	355	1151	1905	2338	2524	2557	2550	2543	2541	2544	2547	2551	2557	2557
-40	2.04	7.07	19.5	43.8	130	564	1433	2139	2506	2629	2626	2595	2575	2566	2557	2551	2551	2554	2554
-35	1.96	7.25	20.9	47.9	176	774	1714	2373	2673	2733	2696	2641	2606	2590	2569	2556	2551	2552	2552
-30	1.88	7.42	22.4	52.1	222	983	1996	2607	2841	2837	2765	2686	2638	2615	2582	2560	2552	2549	2550
-25	1.90	8.07	25.2	65.0	332	1240	2193	2668	2749	2650	2531	2448	2417	2380	2348	2330	2324	2323	2323
-20	1.92	8.73	28.0	78.0	443	1497	2391	2729	2657	2463	2297	2210	2197	2145	2114	2100	2097	2096	2097
-15	1.94	9.38	30.9	90.9	554	1754	2589	2789	2566	2276	2063	1972	1976	1910	1881	1870	1870	1869	1870
-10	1.97	11.0	31.8	99.3	615	1812	2531	2634	2397	2127	1937	1869	1857	1790	1764	1754	1752	1751	1753
-5	2.00	12.5	32.7	108	677	1870	2472	2478	2228	1978	1811	1766	1739	1670	1647	1637	1634	1634	1635
0	2.03	14.1	33.6	116	739	1928	2414	2322	2059	1829	1685	1663	1620	1550	1529	1521	1517	1516	1518
5	2.09	14.6	33.8	112	719	1853	2312	2224	1967	1739	1588	1545	1501	1433	1410	1399	1394	1392	1393
10	2.15	15.0	33.9	108	700	1777	2210	2126	1875	1649	1492	1427	1382	1316	1290	1277	1270	1268	1268
15	2.21	15.5	34.1	105	681	1702	2107	2029	1783	1559	1395	1309	1263	1200	1171	1155	1147	1144	1144
20	2.32	15.1	33.2	90.7	567	1488	1927	1894	1673	1450	1279	1182	1130	1075	1047	1032	1025	1023	1023
25	2.43	14.8	32.3	76.8	453	1275	1747	1760	1563	1340	1164	1056	996	951	923	909	903	902	902
30	2.53	14.4	31.4	62.9	339	1061	1566	1626	1453	1231	1048	929	862	826	799	786	782	782	782
35	2.91	14.0	30.4	55.6	261	827	1272	1380	1271	1091	944	848	793	761	739	728	724	724	723
40	3.29	13.6	29.4	48.3	183	593	978	1134	1089	952	839	767	723	696	679	670	667	665	664
45	3.66	13.2	28.3	41.0	105	359	684	888	907	812	735	685	654	632	619	612	609	607	605
50	4.31	12.9	26.5	37.8	82.1	258	495	660	696	648	602	567	540	515	496	485	480	477	476
55	4.96	12.7	24.6	34.5	59.6	157	307	432	486	484	469	450	426	398	372	357	350	347	346
60	5.61	12.4	22.7	31.2	37.1	55.9	118	204	275	320	336	332	311	281	249	230	221	218	216
65	6.10	11.3	19.4	27.2	32.5	46.3	89.2	148	198	229	242	241	227	207	185	172	166	164	163
70	6.58	10.2	16.2	23.2	27.8	36.7	60.5	92.9	120	138	148	150	142	133	121	114	111	110	109
75	7.07	9.17	12.9	19.1	23.2	27.1	31.7	37.4	42.4	46.6	54.4	59.1	56.8	58.3	56.1	55.3	55.3	55.5	55.5
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
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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

H(β) Range:-90 - 90DEG
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Humidity:65.0%
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Test:U:222.3V I:1.864A P:404.1W PF:0.9754 Lamp Flux:8571.77x1 lm		
NAME: 400W	TYPE:4000K	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x10cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-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	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	
-75	75.3	74.5	73.2	72.1	71.7	71.8	69.6	60.8	53.8	49.4	44.0	38.9	34.0	27.5	18.7	10.7	6.14	2.76	
-70	134	139	152	177	212	248	277	274	226	150	83.8	52.4	42.8	33.6	22.4	12.1	6.36	2.80	
-65	193	204	231	282	352	423	485	488	399	252	124	65.9	51.5	39.7	26.1	13.5	6.57	2.83	
-60	252	268	310	388	492	599	693	701	571	353	163	79.4	60.3	45.7	29.7	14.9	6.79	2.87	
-55	1016	1018	1038	1083	1146	1212	1271	1278	1183	983	703	391	134	56.6	34.5	17.0	6.97	2.87	
-50	1780	1768	1765	1779	1800	1826	1850	1854	1794	1613	1242	702	208	67.5	39.2	19.1	7.14	2.86	
-45	2544	2518	2493	2474	2454	2439	2428	2430	2406	2243	1781	1014	281	78.4	43.9	21.2	7.32	2.86	
-40	2547	2530	2515	2509	2504	2500	2503	2522	2527	2424	2046	1323	486	116	47.4	23.2	7.52	2.86	
-35	2550	2543	2538	2543	2555	2562	2577	2615	2648	2604	2312	1632	690	154	50.9	25.3	7.73	2.87	
-30	2552	2555	2560	2577	2605	2624	2651	2708	2770	2784	2577	1941	894	192	54.5	27.4	7.94	2.87	
-25	2325	2327	2331	2347	2375	2406	2436	2510	2634	2750	2674	2151	1119	274	64.6	28.2	8.84	2.91	
-20	2098	2099	2103	2117	2144	2189	2221	2313	2498	2716	2771	2361	1344	356	74.8	28.9	9.74	2.95	
-15	1871	1871	1874	1887	1914	1972	2006	2115	2363	2682	2868	2570	1569	437	84.9	29.7	10.6	2.98	
-10	1754	1753	1757	1769	1793	1854	1887	1972	2191	2490	2721	2553	1658	493	88.4	30.0	11.7	3.03	
-5	1636	1635	1640	1651	1672	1736	1768	1829	2019	2298	2575	2537	1747	548	91.9	30.4	12.8	3.07	
0	1518	1518	1523	1532	1551	1618	1649	1686	1847	2106	2429	2520	1836	604	95.4	30.8	13.9	3.12	
5	1393	1394	1401	1414	1438	1505	1540	1599	1768	2024	2326	2397	1728	558	86.8	30.2	13.5	3.21	
10	1269	1271	1279	1296	1325	1393	1432	1512	1688	1942	2224	2274	1620	512	78.2	29.7	13.2	3.30	
15	1144	1148	1157	1178	1212	1281	1323	1425	1609	1860	2121	2150	1512	466	69.5	29.1	12.9	3.39	
20	1024	1027	1036	1055	1088	1148	1204	1317	1506	1755	1982	1945	1294	383	61.6	28.0	12.4	3.50	
25	903	906	914	932	963	1016	1084	1209	1402	1650	1843	1740	1076	301	53.6	27.0	11.9	3.61	
30	782	785	792	810	838	884	964	1100	1298	1546	1705	1534	859	219	45.6	25.9	11.5	3.72	
35	723	725	731	745	769	808	874	985	1149	1338	1409	1199	638	164	42.3	24.4	10.5	3.94	
40	664	665	670	680	700	732	784	869	1000	1130	1113	864	418	109	38.9	22.9	9.47	4.16	
45	605	605	608	616	631	656	693	754	851	921	818	528	198	54.4	35.6	21.4	8.48	4.38	
50	475	476	481	493	513	537	564	602	654	680	585	373	145	47.7	32.6	19.7	8.11	5.01	
55	345	346	353	370	394	418	435	449	457	439	353	217	92.0	40.9	29.6	18.0	7.75	5.65	
60	215	217	226	247	275	298	306	297	260	197	120	61.6	39.2	34.1	26.5	16.3	7.38	6.28	
65	161	163	169	183	202	218	222	213	186	143	89.6	49.1	33.0	28.6	22.1	14.0	7.56	6.94	
70	108	109	111	120	129	137	138	129	113	88.6	58.8	36.7	26.8	23.1	17.8	11.7	7.74	7.61	
75	55.2	54.5	54.3	56.4	56.3	56.6	54.3	45.3	40.4	34.3	28.0	24.2	20.6	17.6	13.4	9.35	7.93	8.27	
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	
85	0.00	0.00	0.00	0.00	0.00	0.00	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	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-03-23

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.160m [K=1.0000]
Remarks:5050 4000K