

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

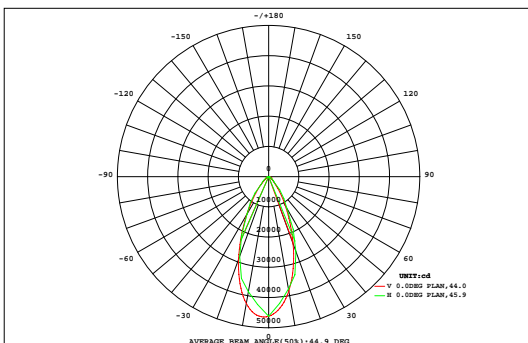
Maximum Intensity (Luminaire orientation as tested.)		1433.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	84.5V x 80.6H 45.9V x 44.0H 11.5V x 17.8H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	999.7 lumens per klm. 859.9 lumens per klm. 468.0 lumens per klm. 57.3 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-05-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.2%
Test Distance:6.710m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.5V I:1.113A P:240.8W PF:0.9851 Lamp Flux:32411.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:496*350mm	Shielding Angle:



DATA OF LAMP		Eff:134.60lm/W	
MODEL		I _{max} (cd)	46448
NOMINAL POWER(W)	500	AVAILABILITY(%)	86.6
RATED VOLTAGE(V)	220.0	Avai. FLUX(lm)	28058
NOMINAL FLUX(lm)	32411.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	32411
TEST VOLTAGE(V)	220	θ @50%(H,V)	44,46DEG

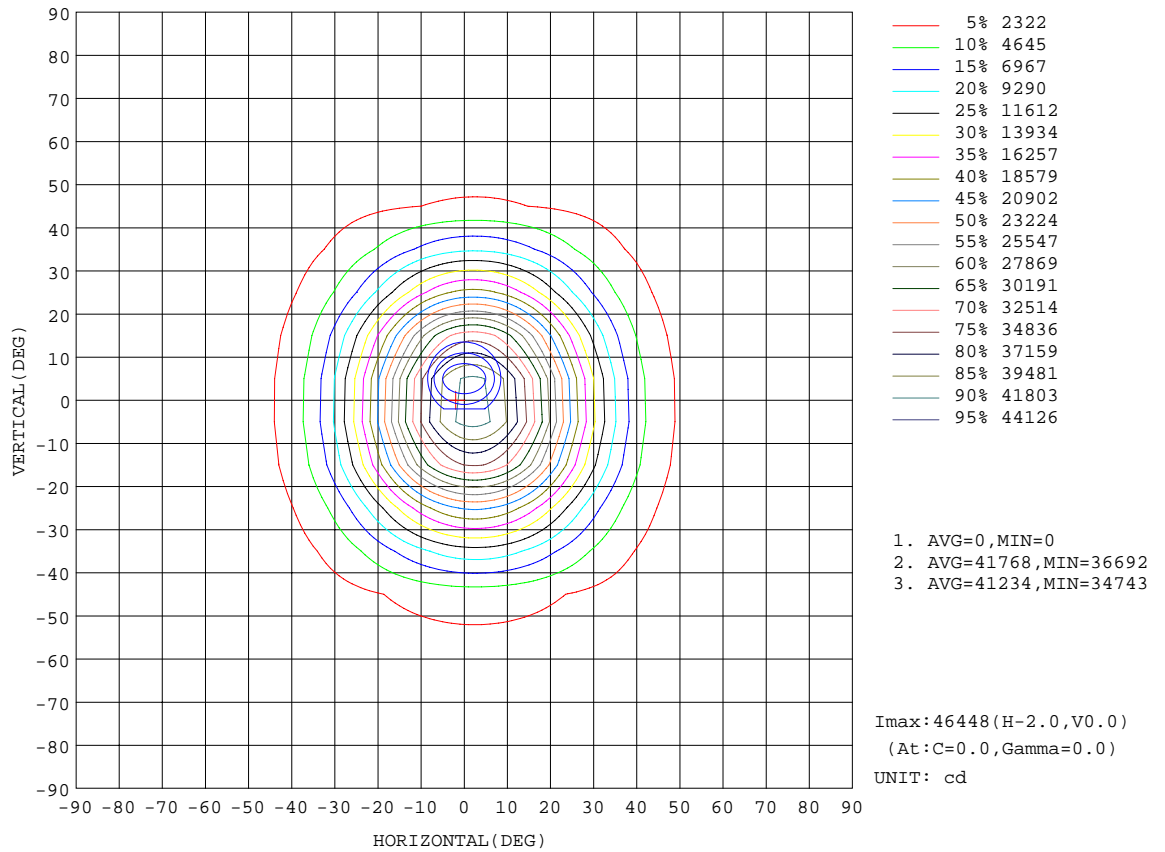
VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm	Φ t	Φ a		
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.03	0.19	0.64	1.54	2.85	4.34	5.71	6.72	7.28	7.33	6.95	6.10	4.83	3.38	1.98	0.91	0.29	0.05	61.1	0.00		
70	0.06	0.55	2.12	4.92	8.73	13.1	17.3	20.5	22.3	22.4	20.8	17.9	13.9	9.51	5.57	2.56	0.75	0.08	183	0.00		
60	0.07	0.90	3.46	7.87	14.0	21.5	29.6	36.9	41.7	42.3	38.2	31.1	22.9	15.1	8.75	4.02	1.17	0.12	320	0.00		
50	0.11	1.39	5.02	11.2	20.2	32.5	48.1	64.2	75.1	76.0	66.1	50.2	34.3	21.6	12.2	5.64	1.70	0.17	526	0.00		
40	0.16	1.82	6.35	14.3	27.9	55.3	110	188	254	261	205	125	63.3	30.8	15.6	7.09	2.18	0.22	1369	994		
30	0.20	2.21	7.58	17.3	37.0	88.5	204	374	522	534	405	231	104	42.0	19.0	8.36	2.59	0.27	2598	2323		
	0.23	2.53	8.59	20.2	49.9	146	364	690	966	978	723	395	165	55.9	21.9	9.29	2.87	0.30	4598	4381		
	0.25	2.64	8.98	21.6	58.2	182	463	885	1217	1222	912	498	203	65.4	23.5	9.75	3.02	0.31	5775	5576		
	0.25	2.67	9.13	22.2	62.4	198	505	955	1293	1292	965	522	211	67.0	23.7	9.89	3.05	0.31	6141	5945		
	0.23	2.53	8.80	20.9	55.0	166	410	756	1016	1015	758	412	171	57.1	22.0	9.44	2.87	0.28	4883	4678		
-30	0.21	2.27	7.93	18.3	42.8	113	264	468	617	614	457	255	110	42.2	19.1	8.55	2.58	0.25	3044	2798		
-40	0.18	1.98	6.98	15.5	30.6	65.4	135	222	288	287	218	131	63.5	30.8	16.3	7.53	2.25	0.22	1522	1192		
-50	0.18	1.70	5.87	12.8	22.7	38.1	61.0	87.6	103	97.5	75.9	51.3	33.5	22.2	13.2	6.24	1.86	0.19	635	171		
-60	0.19	1.42	4.67	9.95	16.8	25.5	36.7	48.4	55.9	55.1	46.8	35.8	25.8	17.4	10.5	5.01	1.55	0.19	398	0.00		
-70	0.19	1.15	3.48	7.25	11.8	16.5	20.5	22.8	23.7	23.4	22.4	20.4	16.9	12.3	7.68	3.77	1.23	0.20	216	0.00		
-80	0.19	0.89	2.34	4.63	7.39	10.4	13.1	15.1	16.3	16.3	15.2	13.3	10.7	7.77	4.92	2.48	0.91	0.20	142	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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90					
Φ t	2.73	26.8	91.9	211	468	1177	2687	4841	6518	6543	4936	2794	1254	500	226	101	30.9	3.35	32411	---		
Φ a	0.00	0.00	0.00	0.00	48.2	706	2318	4564	6240	6247	4627	2451	791	65.3	0.00	0.00	0.00	0.00	---	28058		

one-half-peak spread: U:23.7,D:22.5 , L:21.9,R:22.4 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG	V(B) Range:-75 - 75DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Temperature:25.3DEG	Humidity:65.2%
Operators:	Test Distance:6.710m [K=1.0000]
Test Date:2019-05-30	Remarks:

ISOCANDELA DIAGRAM

Test:U:219.5V I:1.113A P:240.8W PF:0.9851 Lamp Flux:32411.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:496*350mm	Shielding Angle:

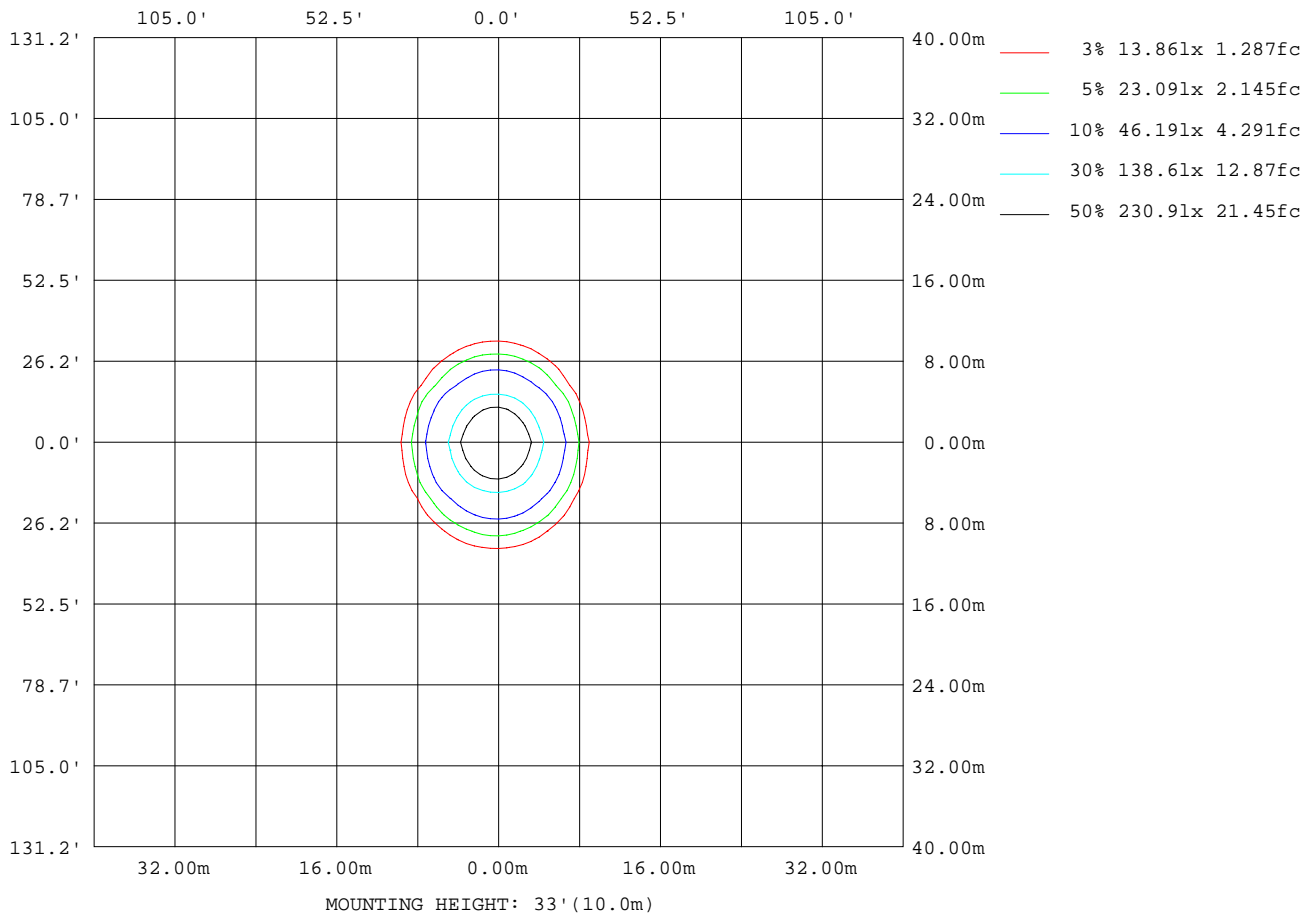


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-05-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.2%
Test Distance:6.710m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

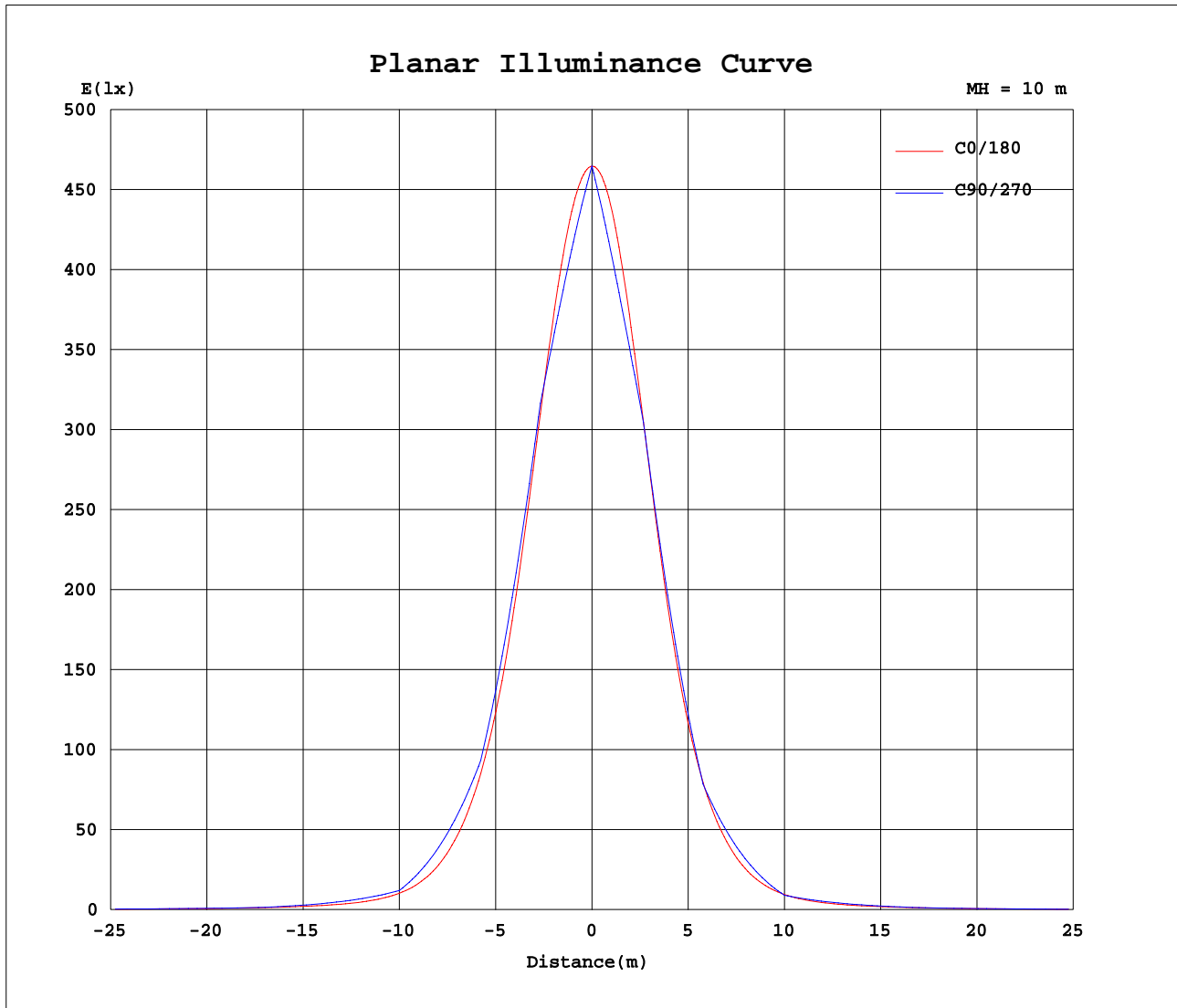
Test:U:219.5V I:1.113A P:240.8W PF:0.9851 Lamp Flux:32411.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:496*350mm	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-05-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.2%
Test Distance:6.710m [K=1.0000]
Remarks:

Planar Illuminance Curve

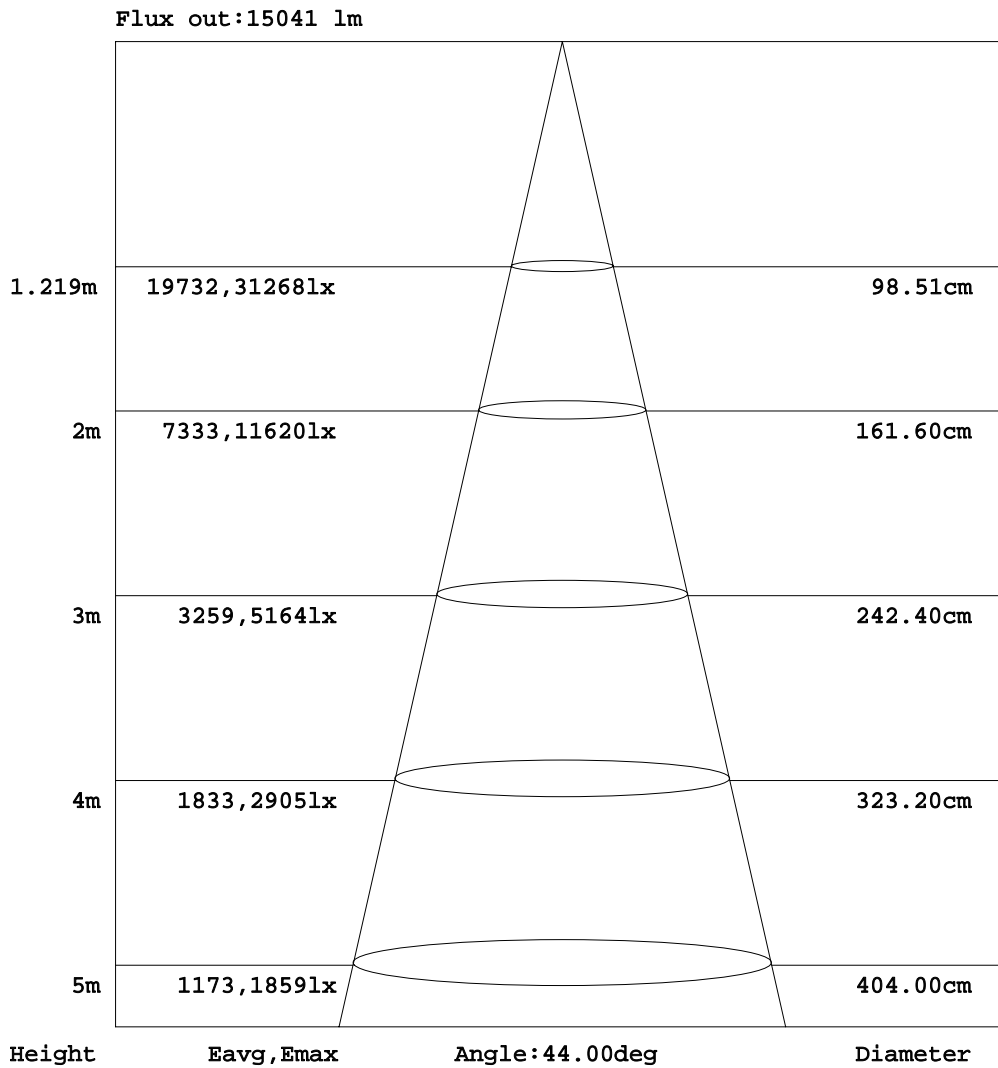


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-30

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.2%
 Test Distance:6.710m [K=1.0000]
 Remarks:

AAI Figure

Test:U:219.5V I:1.113A P:240.8W PF:0.9851 Lamp Flux:32411.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:496*350mm	Shielding 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:
Test Date:2019-05-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.2%
Test Distance:6.710m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.5V I:1.113A P:240.8W PF:0.9851 Lamp Flux:32411.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:496*350mm	Shielding 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	5.76	6.09	7.41	9.36	12.1	15.6	19.9	24.1	28.2	32.2	36.0	39.8	43.0	46.0	48.5	50.4	52.1	53.3	54.1
-70	5.67	6.93	9.60	13.5	18.3	23.9	29.8	35.5	41.1	46.2	51.3	55.9	60.2	63.9	67.2	69.7	71.6	72.8	73.1
-65	5.12	5.52	7.39	11.2	16.6	23.1	30.4	37.8	45.1	52.0	58.4	64.8	70.5	75.9	80.7	85.1	88.3	90.6	91.9
-60	5.07	6.70	11.0	17.4	25.2	33.8	43.0	51.7	60.3	68.1	75.8	82.9	89.8	95.7	101	106	109	111	111
-55	4.30	4.73	7.26	13.2	21.3	30.9	41.2	51.8	62.3	72.7	83.1	94.6	107	122	138	155	170	181	187
-50	4.04	6.19	12.5	21.7	32.6	44.4	56.7	68.5	80.9	93.9	109	126	148	175	202	228	249	261	263
-45	3.31	3.71	7.02	15.3	26.2	38.9	52.4	66.1	79.7	94.1	110	129	153	184	222	260	296	323	339
-40	3.22	5.97	14.4	26.0	39.7	54.2	69.5	85.4	104	128	164	218	291	381	477	570	646	696	705
-35	2.77	3.14	7.38	17.9	31.0	46.2	62.1	78.9	98.1	123	159	218	309	433	578	731	878	995	1063
-30	2.63	6.02	16.5	30.3	46.5	63.5	81.5	102	130	172	243	358	521	715	924	1130	1302	1414	1435
-25	2.47	2.84	8.18	20.5	35.7	52.7	70.9	91.1	117	156	226	346	532	785	1090	1422	1739	1981	2113
-20	2.56	6.91	19.1	34.5	52.1	70.9	92.0	120	163	244	391	621	939	1338	1785	2230	2577	2780	2807
-15	2.42	2.81	9.40	23.2	40.4	58.6	78.9	103	136	195	310	515	822	1240	1756	2333	2880	3281	3487
-10	2.50	7.71	20.9	37.5	55.7	75.7	99.2	132	187	298	500	814	1250	1809	2448	3075	3564	3841	3868
-5	2.41	2.76	10.4	24.6	41.9	60.4	81.3	107	144	213	350	593	959	1464	2105	2826	3494	3996	4245
0	2.45	8.43	22.0	39.1	57.3	77.8	103	138	202	332	569	937	1453	2128	2914	3665	4262	4596	4619
5	2.31	2.69	10.8	24.9	41.7	60.1	80.9	106	143	211	344	581	940	1434	2065	2774	3441	3951	4203
10	2.26	8.39	21.5	37.5	55.2	75.0	98.5	130	185	288	479	780	1196	1731	2347	2968	3472	3756	3778
15	2.12	2.59	10.8	24.2	39.9	57.9	77.7	102	135	190	293	479	766	1153	1635	2177	2722	3147	3360
20	2.08	7.75	19.7	34.4	50.9	69.2	90.2	118	159	232	363	571	858	1220	1634	2064	2419	2622	2639
25	1.67	2.33	9.21	20.8	35.1	50.8	68.5	88.4	114	152	214	318	478	696	967	1267	1565	1800	1921
30	1.89	6.51	16.7	30.0	44.2	60.5	77.9	99.4	126	165	222	311	438	598	775	954	1102	1192	1203
35	1.36	2.04	7.45	17.0	29.5	42.9	57.9	74.2	93.6	118	151	199	270	368	485	612	735	833	885
40	1.69	4.92	12.9	24.0	35.8	49.3	63.5	79.7	98.3	122	153	197	254	323	398	470	530	566	571
45	1.19	1.72	5.47	12.8	23.2	34.0	46.2	59.1	72.7	87.5	105	123	144	167	191	213	232	246	254
50	1.51	3.52	9.18	17.6	26.8	37.2	48.2	59.8	72.0	85.9	100	117	134	152	168	183	194	201	202
55	1.31	1.50	3.75	8.42	15.8	23.6	32.5	41.9	51.7	61.8	72.9	84.3	96.2	108	120	130	138	145	148
60	1.36	2.31	5.37	10.8	17.1	24.2	31.8	39.6	47.4	55.5	63.3	70.9	77.5	83.1	87.7	91.1	93.6	95.3	95.7
65	1.43	1.38	2.59	5.14	9.48	14.4	20.1	26.1	32.3	38.5	44.9	51.0	56.7	61.7	65.8	69.2	71.6	73.3	74.4
70	1.38	1.98	3.64	6.30	9.68	13.6	17.9	22.5	27.1	31.8	36.2	40.4	44.0	47.0	49.4	51.3	52.5	53.3	53.4
75	1.55	1.36	2.02	2.98	4.41	6.40	8.82	11.6	14.6	17.6	20.5	23.2	25.6	27.6	29.2	30.6	31.5	32.0	32.3
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
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-05-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.2%
Test Distance:6.710m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.5V I:1.113A P:240.8W PF:0.9851 Lamp Flux:32411.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:496*350mm	Shielding 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	54.1	53.4	52.5	51.2	49.5	47.5	44.9	41.7	38.1	34.4	30.4	26.0	21.3	16.9	13.0	9.83	7.64	5.94
-70	72.3	70.9	69.0	66.5	63.5	59.8	55.4	50.5	45.4	40.1	34.2	28.0	22.1	16.5	11.6	8.08	5.92	4.85
-65	92.0	90.7	88.7	85.9	82.4	78.1	73.0	67.2	60.9	54.4	47.4	40.0	32.3	25.0	17.9	11.7	7.49	5.21
-60	110	107	104	99.8	94.5	88.4	81.5	74.0	66.0	57.7	48.7	39.6	30.7	22.0	14.0	8.22	5.21	4.05
-55	187	180	169	155	140	124	110	97.8	86.2	75.3	64.6	53.8	43.1	32.7	22.7	13.6	7.23	4.33
-50	254	236	212	186	160	138	119	103	88.9	75.9	63.2	50.8	38.7	27.2	16.5	8.23	4.18	3.13
-45	338	322	294	259	221	187	157	133	114	97.2	81.9	67.6	53.6	40.0	27.4	15.6	6.88	3.31
-40	673	606	518	422	330	250	188	145	116	95.2	77.7	61.9	46.8	32.7	19.7	8.89	3.53	2.51
-35	1065	1002	886	739	585	439	315	223	163	126	101	81.3	64.1	47.9	32.7	18.9	7.67	2.98
-30	1366	1218	1022	808	603	425	289	201	148	116	92.3	73.0	55.2	38.5	23.4	10.2	3.26	2.19
-25	2110	1976	1731	1413	1078	776	530	346	226	158	119	93.5	72.9	54.5	37.3	21.8	8.66	2.89
-20	2660	2356	1938	1479	1062	724	466	289	189	136	104	80.7	60.9	42.7	26.2	11.7	3.40	2.43
-15	3473	3245	2829	2280	1702	1199	803	501	302	193	137	104	80.0	59.9	41.2	24.3	9.87	3.04
-10	3657	3231	2644	1998	1417	951	599	356	219	150	112	86.0	64.9	45.8	28.4	13.1	3.54	2.62
-5	4217	3931	3419	2752	2044	1430	943	580	341	210	145	108	82.8	62.0	43.1	25.9	10.9	3.12
0	4358	3841	3140	2366	1668	1108	689	403	240	159	117	88.9	67.0	47.7	30.1	14.2	3.68	2.77
5	4170	3874	3353	2691	1997	1396	919	565	333	207	144	108	82.1	61.4	42.8	26.1	11.1	3.06
10	3548	3102	2518	1897	1345	901	563	338	212	147	110	84.6	63.6	45.1	28.5	13.6	3.50	2.57
15	3333	3074	2632	2095	1559	1098	731	453	278	184	133	102	78.0	58.2	40.4	24.7	10.6	2.85
20	2474	2156	1750	1328	953	650	417	265	179	131	101	78.0	58.7	41.6	26.2	12.5	3.26	2.22
25	1908	1768	1527	1234	936	674	463	307	208	150	115	89.8	69.8	52.2	36.2	21.8	9.38	2.59
30	1137	1005	838	659	492	353	250	183	140	110	87.8	69.1	52.3	37.0	23.0	10.9	2.97	1.72
35	882	825	726	605	479	363	267	197	150	118	94.9	75.9	59.5	44.5	30.7	18.1	7.67	2.28
40	544	491	423	348	277	216	168	133	108	87.9	71.1	56.2	42.4	29.7	18.0	8.26	2.47	1.59
45	254	246	231	211	189	165	143	123	105	88.7	73.8	60.1	47.3	35.1	23.8	13.6	5.52	1.94
50	197	187	173	157	140	123	107	92.1	78.6	65.9	54.0	42.7	32.1	22.1	13.0	5.82	2.07	1.52
55	148	145	138	129	119	108	96.4	84.9	73.9	63.3	53.1	43.3	33.8	24.8	16.5	9.26	3.81	1.75
60	94.4	92.1	89.1	85.3	80.3	74.3	67.4	59.9	52.2	44.4	36.4	28.6	21.1	14.2	8.12	3.53	1.76	1.52
65	74.5	73.3	71.6	69.2	66.1	62.1	57.3	51.8	45.9	39.7	33.5	27.2	21.1	15.4	10.1	5.74	2.65	1.63
70	52.9	51.8	50.4	48.3	45.6	42.3	38.5	34.2	29.8	25.2	20.5	16.0	11.9	8.08	4.94	2.68	1.66	1.62
75	32.3	32.0	31.6	30.8	29.5	27.9	25.9	23.5	20.9	18.1	15.0	12.0	9.19	6.74	4.65	3.09	2.07	1.58
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:
Test Date:2019-05-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.2%
Test Distance:6.710m [K=1.0000]
Remarks: