

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

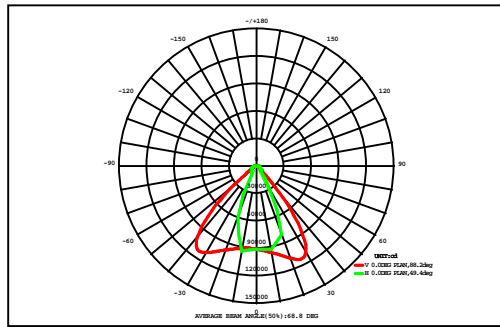
Maximum Intensity (Luminaire orientation as tested.)		930.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	66.0V x 104.8H 39.8V x 88.2H 16.9V x 78.8H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	995.6 lumens per klm. 843.9 lumens per klm. 675.7 lumens per klm. 96.7 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.6 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(_b) Range:-90 - 90DEG
H(_b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:001
Test Date:2016-07-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:14.100m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.5V I:4.468A P:967.3W PF:0.9821 Lamp Flux:121244x1 lm		
	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:125.34lm/W	
MODEL		Imax(cd)	112770
NOMINAL POWER(W)	967	AVAILABILITY(%)	85.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	103690
NOMINAL FLUX(lm)	121244	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	121244
TEST VOLTAGE(V)	220.5	q @50%(H,V)	88,40DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM															UNIT:lm			F t	F 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		
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
80	2.39	10.2	19.7	33.2	48.7	62.3	74.4	101	135	134	101	73.5	61.0	48.4	33.4	19.9	9.98	2.29	970	0.00
70	2.21	11.3	23.9	40.3	60.0	79.0	97.5	123	150	142	114	95.6	78.7	59.5	38.9	22.7	10.9	2.15	1152	0.00
60	2.56	14.4	29.7	47.8	71.8	100	135	173	203	195	161	131	99.9	71.6	47.4	28.7	13.9	2.54	1529	0.00
50	3.15	17.4	34.3	56.5	91.9	132	176	209	230	224	198	166	127	89.7	54.9	34.5	16.9	3.13	1864	0.00
40	3.86	19.6	39.1	69.0	129	207	306	388	430	434	401	321	211	122	68.1	39.6	19.5	3.78	3211	1786
30	4.51	21.4	42.1	85.4	230	685	1151	1405	1491	1488	1381	1105	664	235	82.0	42.2	21.5	4.34	10138	9524
20	5.03	23.0	45.8	114	632	1852	2550	2747	2776	2781	2715	2407	1604	501	99.2	45.2	23.2	4.68	20926	20506
10	5.25	24.0	49.0	167	1070	2541	2956	2896	2843	2869	2944	2962	2302	737	121	47.8	24.4	4.82	24563	24199
0	5.12	23.6	50.9	182	1067	2382	2819	2818	2790	2827	2914	2935	2161	624	121	48.4	24.7	4.71	23799	23430
-10	4.64	22.0	46.5	119	623	1490	2114	2393	2480	2518	2464	2126	1196	309	93.9	47.8	24.3	4.42	18075	17690
-20	4.11	20.6	44.6	93.7	204	456	786	1026	1124	1127	995	670	315	143	89.4	48.4	23.7	4.03	7175	6549
-30	3.67	19.6	43.0	83.3	138	143	145	164	176	177	170	153	140	133	81.4	46.9	22.4	3.65	1842	0.00
-40	3.37	18.3	38.9	66.1	105	153	202	240	262	262	238	199	150	103	67.1	42.0	19.4	3.28	2172	0.00
-50	3.04	15.7	32.8	55.9	83.2	111	142	174	204	197	164	136	109	83.4	56.8	33.8	15.1	2.83	1620	0.00
-60	2.63	12.4	25.6	43.5	63.6	80.3	96.3	118	155	162	111	91.8	78.4	61.0	41.2	23.6	10.8	2.19	1178	0.00
-70	2.07	8.66	16.6	27.7	38.4	49.9	60.5	79.3	153	122	72.3	57.4	45.1	34.7	24.2	14.3	6.84	1.58	815	6.92
-80	0.94	3.38	5.70	9.33	11.4	14.0	18.7	29.9	37.8	20.0	18.0	14.0	11.2	9.71	5.94	3.74	1.56	0.58	216	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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
F t	58.6	286	588	1294	4667	10536	13829	15085	15640	15678	15161	13643	9352	3367	1127	590	289	55.0	121244	---
F a	0.00	0.00	0.00	295	3551	9387	12554	13548	13836	13941	13716	12426	8182	2210	43.7	0.00	0.00	0.00	---	103690

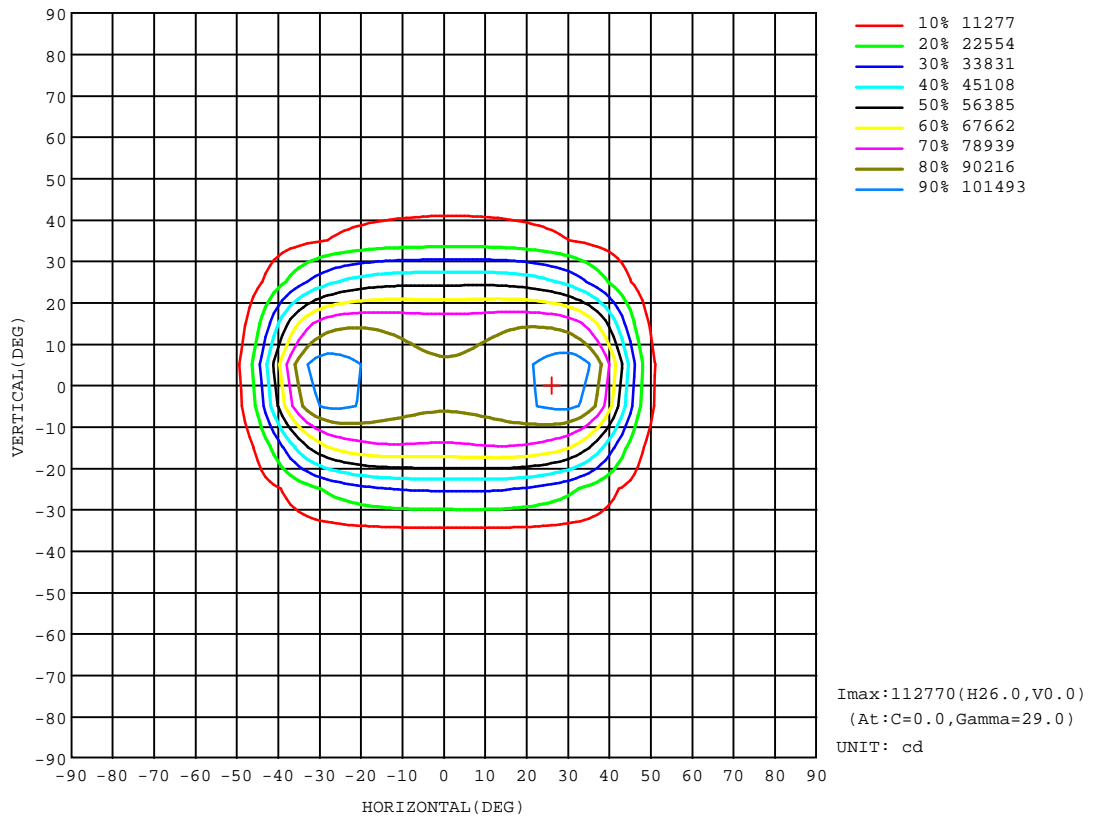
one-half-peak spread: U:17.4,D:22.7 , L:12.8,R:12.NEMA Beam Type: Type 6 x 4 (H x V)

H(h) Range:-90 - 90DEG
H(h) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:001
Test Date:2016-07-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:14.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.5V I:4.468A P:967.3W PF:0.9821 Lamp Flux:121244x1 lm		
	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.:	SUR.:	PROTECTION ANGLE:

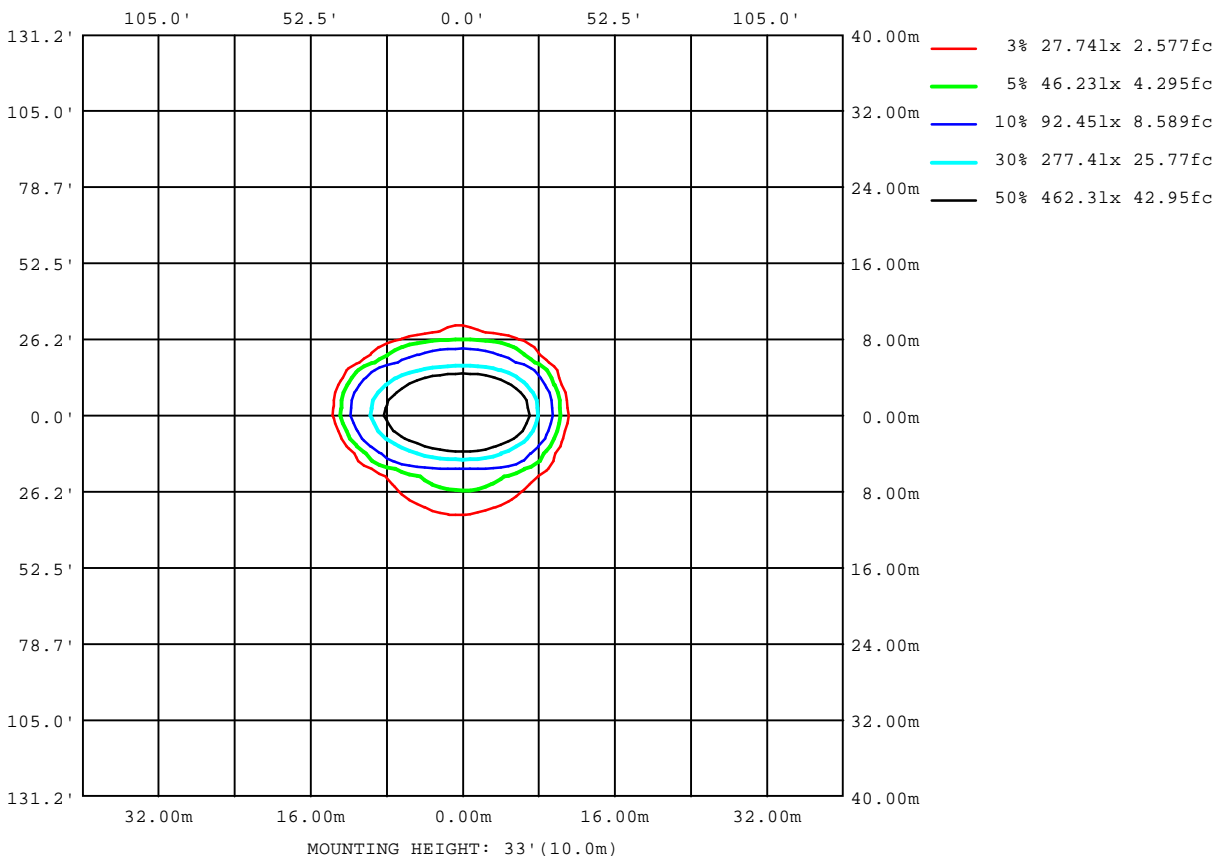


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ISOLUX DIAGRAM

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SPEC.:	DIM.:	SERIAL No.:001
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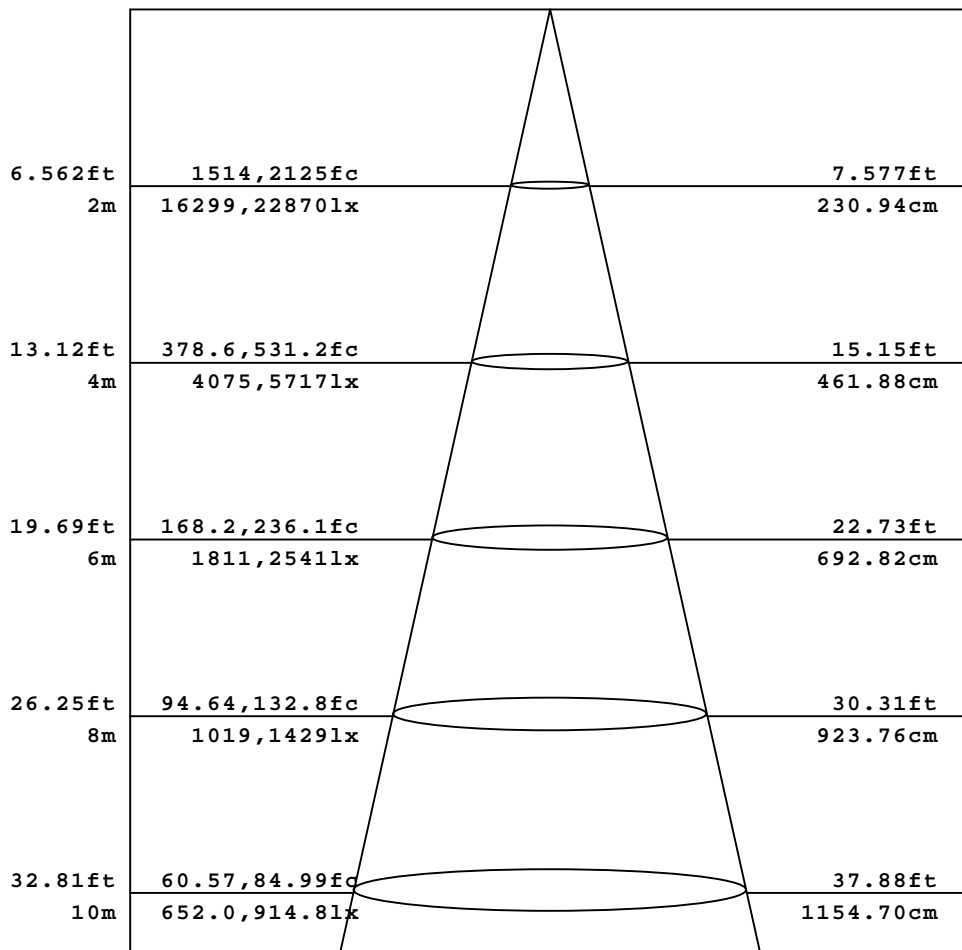
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 Remarks:

AAI Figure

Test:U:220.5V I:4.468A P:967.3W PF:0.9821 Lamp Flux:121244x1 lm		
	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
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Flux out:68274 lm



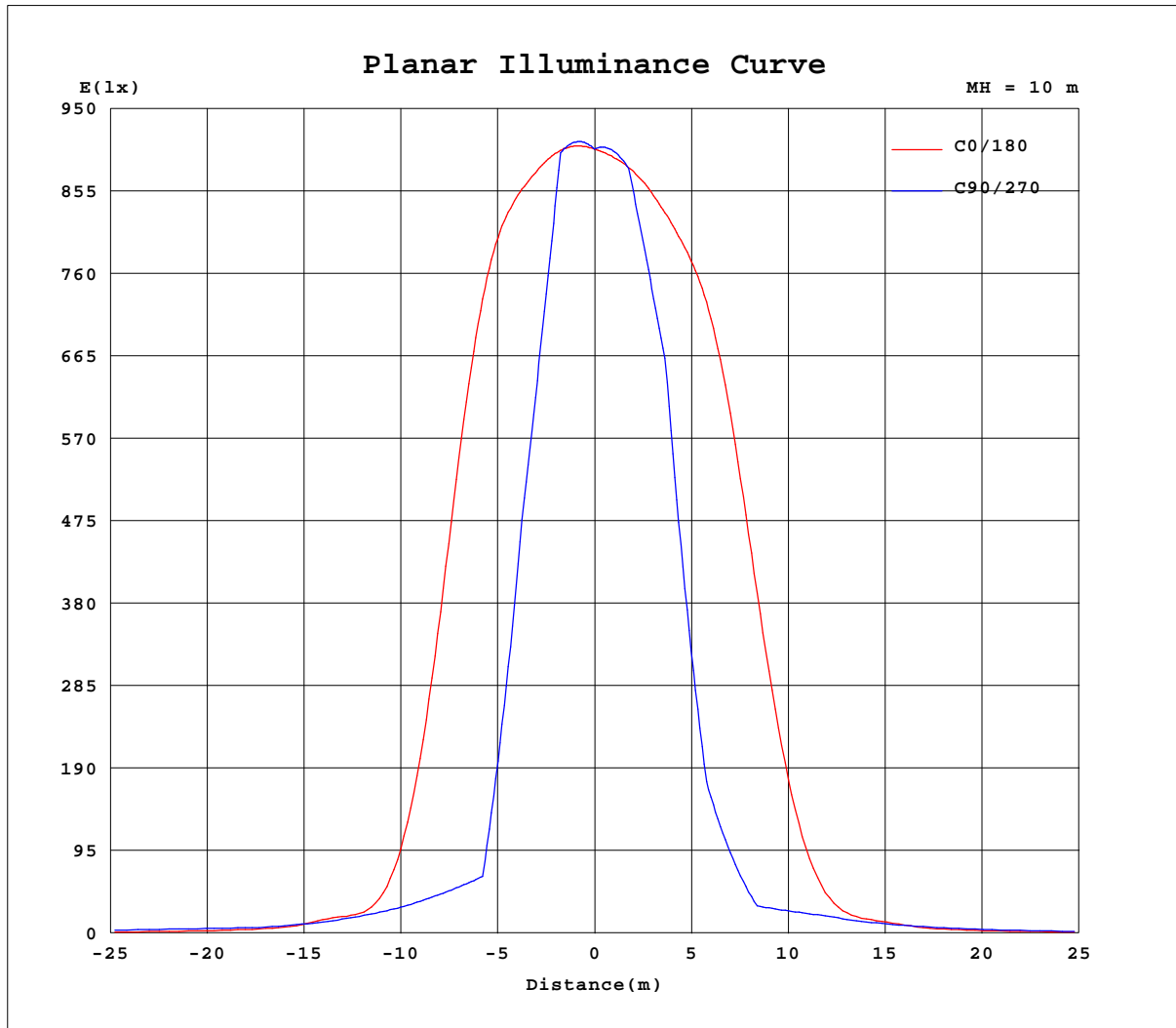
Height Eavg, Emax Angle:60.00deg Diameter

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

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
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Operators:001
Test Date:2016-07-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:14.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:4.468A P:967.3W PF:0.9821 Lamp Flux:121244x1 lm		
	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: x100cd

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	5.62	6.52	7.88	9.20	9.50	10.0	10.5	12.3	12.6	12.9	13.4	14.0	14.2	16.0	18.7	21.3	26.2	30.2	28.6
-75	4.84	6.26	7.60	9.80	11.7	12.1	13.2	14.6	16.7	17.5	18.0	19.2	20.4	21.3	22.5	24.4	28.7	35.2	54.9
-70	6.90	8.69	11.7	14.1	14.8	16.4	18.7	21.1	22.4	23.2	24.9	26.9	28.3	29.0	30.1	36.1	44.3	79.7	63.7
-65	4.46	7.23	9.59	13.8	16.8	18.1	20.3	22.8	25.7	27.9	29.5	31.3	33.0	34.3	35.9	38.1	43.3	49.6	68.4
-60	7.56	10.5	15.8	19.5	21.4	24.2	26.9	30.2	33.5	35.9	37.6	39.0	40.3	42.9	46.0	50.5	54.8	57.0	55.6
-55	3.72	7.41	11.0	17.7	21.6	23.7	26.5	29.7	33.4	37.0	40.3	43.1	45.8	49.4	53.1	56.6	61.6	66.0	68.0
-50	7.26	11.5	19.5	23.8	26.0	28.8	32.5	36.5	40.6	44.7	48.6	52.6	58.4	63.4	67.2	72.6	77.2	79.1	77.5
-45	2.93	6.99	12.4	20.9	25.0	28.1	31.0	34.7	39.7	46.1	51.7	57.6	63.0	69.0	74.6	78.3	82.7	85.5	86.3
-40	6.72	13.2	22.4	26.2	30.1	33.2	36.9	42.9	51.6	58.7	66.5	73.4	79.6	85.8	89.5	92.7	93.9	93.6	93.8
-35	2.44	6.48	14.5	23.2	26.6	30.6	34.6	40.0	49.7	61.2	67.7	73.5	79.3	84.9	89.9	93.4	96.3	97.6	97.6
-30	6.23	15.7	24.0	27.1	31.1	35.9	43.1	56.5	70.7	76.7	80.5	85.1	90.1	94.1	97.2	99.9	101	102	102
-25	2.09	6.24	17.3	24.9	27.5	31.5	36.5	44.8	60.0	75.2	107	162	222	272	308	332	345	350	353
-20	6.25	18.9	25.8	28.0	31.9	37.0	46.4	63.6	79.8	137	244	360	454	522	567	590	600	603	606
-15	2.03	6.49	20.3	27.0	28.8	32.3	37.7	49.2	70.0	132	291	486	634	714	754	772	776	773	772
-10	6.72	21.7	28.1	29.6	32.8	38.5	52.0	76.3	184	444	729	908	975	986	978	962	947	940	946
-5	2.33	7.08	22.7	28.9	30.3	33.5	39.7	60.9	92.0	253	571	867	1015	1034	1008	977	950	930	922
0	7.45	23.7	29.7	31.1	34.2	41.0	69.8	108	322	698	1005	1121	1093	1029	976	938	913	903	909
5	2.69	7.68	23.8	29.5	30.8	33.8	40.0	62.2	101	299	650	943	1066	1059	1015	975	944	921	912
10	7.92	23.9	29.4	30.6	33.5	39.0	54.6	93.3	276	602	882	1010	1024	1000	973	949	930	922	927
15	2.85	8.19	22.9	28.5	29.6	32.5	37.5	50.2	80.0	202	446	682	822	875	887	885	876	865	860
20	8.45	22.0	27.6	28.6	31.6	36.0	45.9	66.8	128	290	482	634	727	775	797	803	801	798	801
25	2.44	8.28	20.2	26.4	27.6	30.5	34.5	41.9	58.1	95.7	185	296	391	457	496	519	530	533	533
30	8.12	18.5	25.1	26.5	29.4	33.0	38.0	49.4	63.6	80.1	110	148	186	218	242	257	265	268	269
35	1.99	7.85	16.6	23.7	25.4	28.2	31.9	36.1	43.6	56.3	68.1	85.4	105	125	141	154	162	167	169
40	7.59	14.8	22.2	24.3	27.0	30.7	34.2	37.9	49.0	56.1	60.4	62.4	63.5	64.7	66.1	67.2	68.7	70.4	70.4
45	2.22	7.27	13.1	20.3	23.1	25.8	28.0	30.9	34.4	41.9	47.5	51.6	55.0	59.8	63.4	66.1	69.2	72.2	74.0
50	6.94	11.4	18.5	21.9	24.6	25.3	27.7	31.0	34.8	38.8	42.8	47.6	56.0	62.2	66.2	71.2	75.7	77.6	76.1
55	2.88	6.72	10.5	16.5	20.1	22.2	23.5	25.8	28.7	31.9	35.4	38.9	42.5	47.8	52.9	56.8	62.0	66.6	68.7
60	6.50	9.49	14.6	18.2	19.8	21.7	24.0	26.4	28.9	31.9	34.9	37.4	39.7	43.6	47.3	52.8	57.5	59.8	58.1
65	3.72	6.33	8.98	12.9	16.3	17.5	19.3	21.4	24.0	26.6	28.8	30.8	32.7	34.3	37.0	40.2	44.9	49.4	51.8
70	6.16	8.47	11.2	14.4	15.1	17.0	18.8	21.6	24.4	25.7	26.8	27.9	29.0	30.4	33.1	37.1	41.3	43.8	42.6
75	4.79	6.06	8.04	10.0	12.5	12.8	13.9	15.5	18.1	19.9	20.6	21.6	22.7	23.5	24.3	27.4	32.4	35.3	40.4
80	5.96	7.61	8.79	10.7	10.5	10.9	12.1	14.6	15.4	15.5	16.5	17.6	18.0	18.2	21.6	27.8	29.4	37.1	36.4
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(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:001
Test Date:2016-07-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:14.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:4.468A P:967.3W PF:0.9821 Lamp Flux:121244x1 lm		
	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x100cd

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	24.0	19.8	16.9	14.9	13.8	13.3	12.3	11.7	12.0	10.7	9.59	8.82	7.83	6.74	5.75	5.34	5.14	4.92
-75	46.1	31.6	26.6	22.7	21.4	20.4	19.3	17.8	16.8	16.8	15.3	13.2	11.9	10.8	9.99	7.83	6.38	5.65
-70	39.1	33.4	28.5	27.9	27.0	25.3	23.2	21.9	21.6	19.9	16.9	14.9	13.9	13.2	9.92	7.41	6.17	5.61
-65	59.6	45.2	40.1	36.1	34.7	33.7	32.2	30.5	29.1	27.6	24.9	21.7	19.4	17.3	16.0	11.9	8.87	6.78
-60	51.3	46.8	43.8	41.6	40.3	39.1	37.8	36.3	33.6	29.9	26.6	23.9	20.8	18.8	13.8	10.3	7.39	6.54
-55	66.5	62.5	57.7	54.3	51.9	48.9	46.3	43.7	41.1	37.8	34.0	30.5	27.4	24.5	21.8	16.2	11.6	7.81
-50	73.6	68.7	64.9	62.2	57.5	53.4	49.7	46.0	41.9	38.1	34.4	30.9	28.2	24.8	18.5	13.0	8.24	7.10
-45	85.6	83.7	80.5	77.4	73.9	68.2	63.0	57.5	52.4	46.5	41.3	36.8	33.8	30.8	27.2	21.2	13.6	8.13
-40	93.8	92.2	89.8	85.6	78.9	72.6	65.4	58.7	51.1	44.4	39.3	36.8	33.3	29.6	23.8	14.3	8.03	6.79
-35	98.0	98.1	96.7	94.5	91.0	85.7	80.4	74.9	69.6	59.6	50.0	42.4	38.2	34.1	30.5	25.8	14.8	7.64
-30	102	101	99.1	96.4	92.4	88.2	84.3	80.5	68.1	55.5	45.5	39.5	34.9	31.4	27.8	15.2	7.26	5.77
-25	354	353	345	327	297	254	197	136	91.6	71.2	57.4	45.7	39.4	34.9	31.4	28.9	15.7	6.78
-20	603	589	556	498	415	305	187	103	74.3	59.3	45.9	39.2	34.9	31.4	30.1	16.2	6.31	4.62
-15	776	782	784	773	745	686	570	386	194	89.7	63.0	47.0	38.9	34.6	31.5	30.7	16.9	5.94
-10	962	979	991	991	957	835	585	286	105	66.8	48.0	38.6	34.3	31.6	31.4	17.6	5.56	3.82
-5	928	946	971	999	1030	1041	960	715	370	131	76.5	51.1	38.7	34.3	31.7	31.4	18.1	5.35
0	930	962	1008	1070	1124	1084	845	454	156	86.3	54.2	38.7	34.4	31.9	31.5	18.7	5.13	3.48
5	918	937	966	1002	1047	1079	1023	788	420	143	76.6	50.6	37.9	33.8	31.4	31.1	18.7	5.30
10	945	969	996	1024	1033	961	730	386	130	66.9	46.9	37.2	33.2	30.9	30.7	18.7	5.48	3.60
15	864	875	886	891	884	850	747	538	274	102	61.4	44.1	36.1	32.4	30.0	29.8	17.9	5.69
20	805	804	786	745	667	533	346	163	73.6	55.8	41.2	35.1	31.6	29.1	29.0	17.1	5.90	4.01
25	535	535	528	509	473	415	327	217	117	67.0	50.4	38.9	33.9	30.6	28.2	27.6	16.1	5.97
30	265	253	231	200	163	122	87.7	69.9	60.3	45.0	36.6	32.8	29.6	27.3	26.2	15.1	6.03	4.30
35	170	167	161	149	133	114	91.9	72.5	60.5	51.7	40.1	34.4	31.7	28.5	26.3	24.3	14.0	5.89
40	69.1	68.1	66.8	65.6	64.5	62.3	57.4	51.2	43.1	35.2	32.1	30.6	27.4	25.3	22.4	12.9	5.75	4.62
45	73.2	70.6	67.4	64.3	62.1	58.3	53.9	49.4	44.5	38.3	32.7	29.5	27.7	25.6	23.5	19.8	11.9	5.69
50	72.0	66.6	61.9	58.5	52.1	45.4	41.3	37.8	33.6	30.2	27.0	24.7	23.8	21.8	17.2	11.0	5.62	4.94
55	67.1	62.7	57.3	52.8	50.0	45.1	41.0	37.8	34.6	31.1	28.1	25.2	22.9	21.5	19.7	15.0	10.0	5.57
60	53.5	48.0	43.7	41.4	38.2	36.6	34.4	31.4	28.6	26.0	23.5	21.1	19.1	17.5	12.8	9.11	5.53	5.20
65	50.4	46.0	40.9	37.3	35.3	33.3	32.1	30.2	28.1	25.8	23.2	20.8	18.4	16.4	15.5	11.4	8.38	5.54
70	38.4	33.8	31.0	29.2	28.5	27.5	26.1	24.8	23.1	20.5	18.1	15.7	13.7	13.5	10.0	7.66	5.55	5.44
75	39.5	33.8	30.9	26.7	23.5	22.9	22.1	20.9	19.9	19.1	17.5	14.9	13.4	12.1	11.8	8.95	6.98	5.63
80	29.1	28.0	22.5	17.8	17.4	16.7	15.7	15.0	15.1	14.4	11.7	11.0	10.6	10.2	7.85	6.31	5.71	5.72
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(h) Range:-90 - 90DEG
H(h) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:001
Test Date:2016-07-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:14.100m [K=1.0000]
Remarks: