

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

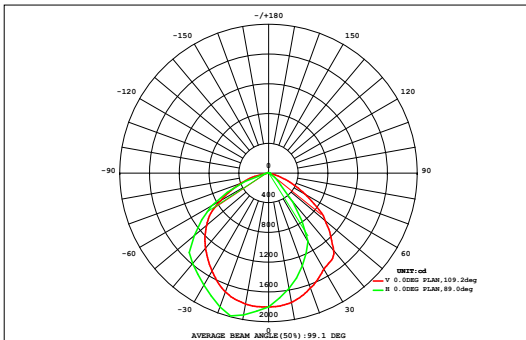
Maximum Intensity (Luminaire orientation as tested.)		475.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	118.7V x 147.3H 89.0V x 109.2H 27.4V x 46.7H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	997.4 lumens per klm. 970.3 lumens per klm. 741.7 lumens per klm. 122.4 lumens per klm.
	Upward LOR Downward LOR	0.1 % 99.6 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2016-10-28

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME : ML-WPD-30W-5000K	TYPE:LED	WEIGHT:
SPEC. :30W	DIM. :	SERIAL No.:1
MFR. : EVERFINE	SUR. :	Shielding Angle:



DATA OF LAMP		Eff:111.03lm/W	
MODEL	ML-WPD-30W-5000K	Imax (cd)	2007
NOMINAL POWER (W)	30	AVAILABILITY (%)	97.5
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	4115
NOMINAL FLUX (lm)	4219.66	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	4219
TEST VOLTAGE (V)	277	θ @50% (H,V)	109,89DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.01	0.03	0.06	0.11	0.16	0.17	0.18	0.20	0.21	0.22	0.18	0.09	0.05	0.02	0.02	0.01	1.74	0.00
90	0.01	0.02	0.06	0.12	0.22	0.40	0.55	0.57	0.63	0.71	0.75	0.78	0.56	0.25	0.13	0.07	0.03	0.01	5.87	0.00
80	0.01	0.04	0.11	0.22	0.45	0.76	0.95	1.05	1.11	1.11	1.07	1.01	0.75	0.46	0.24	0.13	0.05	0.01	9.52	0.00
70	0.01	0.07	0.23	0.54	1.15	1.87	2.37	2.67	2.81	2.82	2.79	2.58	2.14	1.38	0.71	0.34	0.11	0.01	24.6	0.00
60	0.01	0.12	0.53	1.42	2.92	4.63	5.86	6.62	7.07	7.31	7.37	6.83	5.59	3.52	1.79	0.79	0.21	0.01	62.6	41.3
50	0.01	0.32	1.87	5.30	10.3	15.0	18.7	21.8	23.6	23.9	22.9	20.5	16.5	11.8	6.51	2.56	0.56	0.01	202	198
40	0.02	0.61	3.28	8.83	16.6	23.7	29.6	34.4	36.9	37.2	35.3	31.3	25.4	18.1	9.82	3.87	0.86	0.02	316	314
30	0.02	0.87	4.22	10.7	20.1	28.8	35.9	41.2	44.0	44.3	42.1	37.3	30.1	21.0	11.6	4.83	1.17	0.02	378	377
20	0.02	1.13	5.34	13.3	23.2	32.1	40.5	47.3	50.8	51.0	48.2	42.3	34.4	25.4	14.7	6.12	1.40	0.03	437	436
10	0.02	1.38	6.27	15.1	25.5	35.5	45.1	52.8	56.5	56.8	53.6	46.6	38.2	28.3	16.6	6.86	1.54	0.02	487	486
0	0.01	1.40	6.50	15.7	27.5	38.9	49.2	56.5	59.9	60.6	57.6	49.9	39.7	28.6	16.6	7.03	1.59	0.01	517	517
-10	0.01	1.34	6.36	15.3	26.4	36.8	45.6	51.9	55.0	55.3	52.3	45.9	37.6	27.2	15.6	6.66	1.40	0.01	481	480
-20	0.00	1.24	5.89	14.2	24.3	33.8	41.8	47.3	50.1	50.2	47.5	42.4	35.2	25.0	14.3	6.04	1.13	0.00	440	440
-30	0.00	0.90	4.82	12.2	20.9	29.8	37.6	42.9	45.6	45.7	43.3	38.6	31.1	21.2	12.2	4.96	0.79	0.00	393	392
-40	0.00	0.55	3.15	8.05	14.5	21.1	27.0	31.1	33.1	33.2	31.2	27.3	21.2	13.9	7.54	2.71	0.38	0.00	276	274
-50	0.00	0.17	1.52	4.19	7.89	11.8	15.4	17.9	19.1	19.0	17.7	15.1	11.1	6.88	3.34	1.11	0.12	0.00	152	148
-60	0.00	0.06	0.50	1.08	1.71	2.35	2.82	3.09	3.20	3.06	2.70	2.14	1.38	0.74	0.28	0.05	0.00	0.00	25.2	12.3
-70	0.00	0.00	0.05	0.14	0.26	0.39	0.49	0.58	0.64	0.62	0.55	0.46	0.35	0.20	0.09	0.03	0.00	0.00	4.85	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
Φ t	0.15	10.2	50.7	126	224	318	400	460	490	493	467	411	332	234	132	54.2	11.4	0.17	4214	---
Φ a	0.00	7.55	44.4	122	217	310	392	453	483	485	460	404	325	229	127	48.2	8.56	0.00	---	4115

one-half-peak spread: U:42.9,D:46.5 , L:52.6,R:57.6, NEMA 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:DAMIN
Test Date:2016-10-28

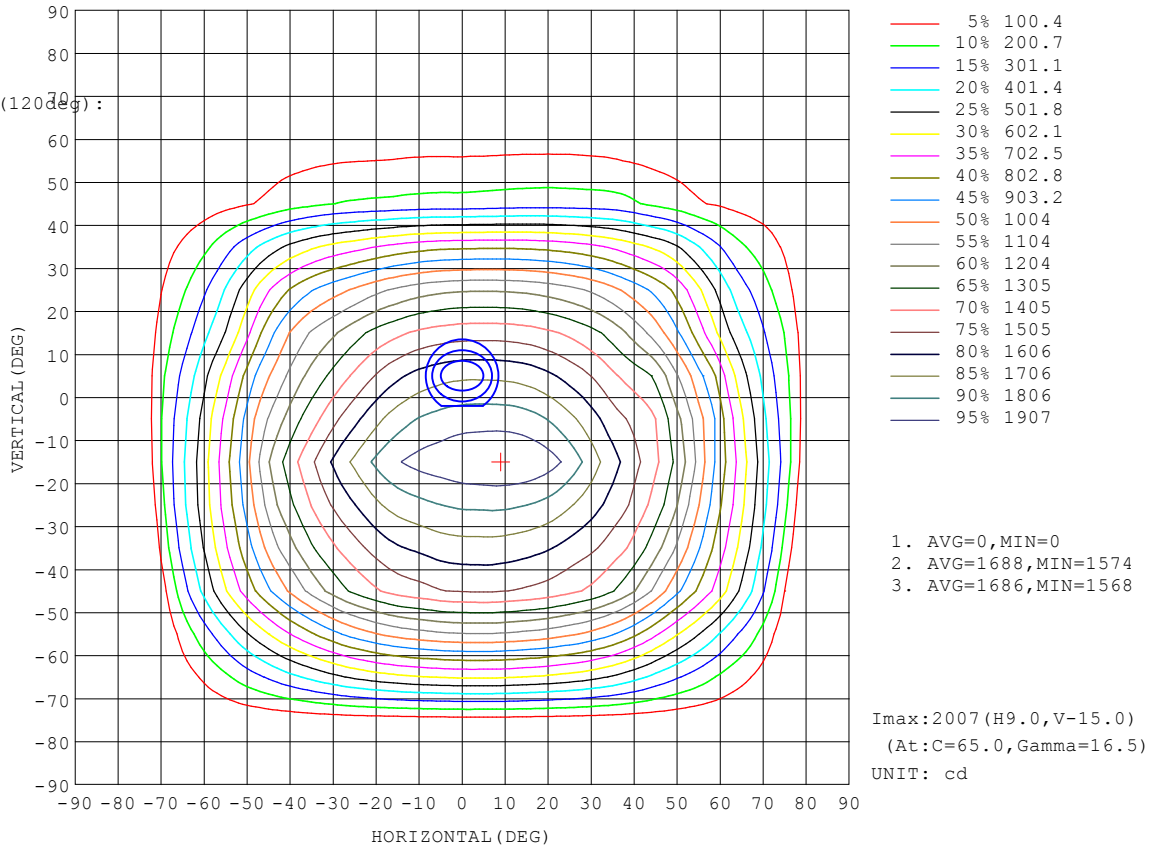
V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: ML-WPD-30W-5000K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Conical surface Flux(90deg):
 2639 lm
 %lum = 62.7%
 %lamp = 62.5%

Conical surface Flux(120deg):
 3680.7 lm
 %lum = 87.5%
 %lamp = 87.2%

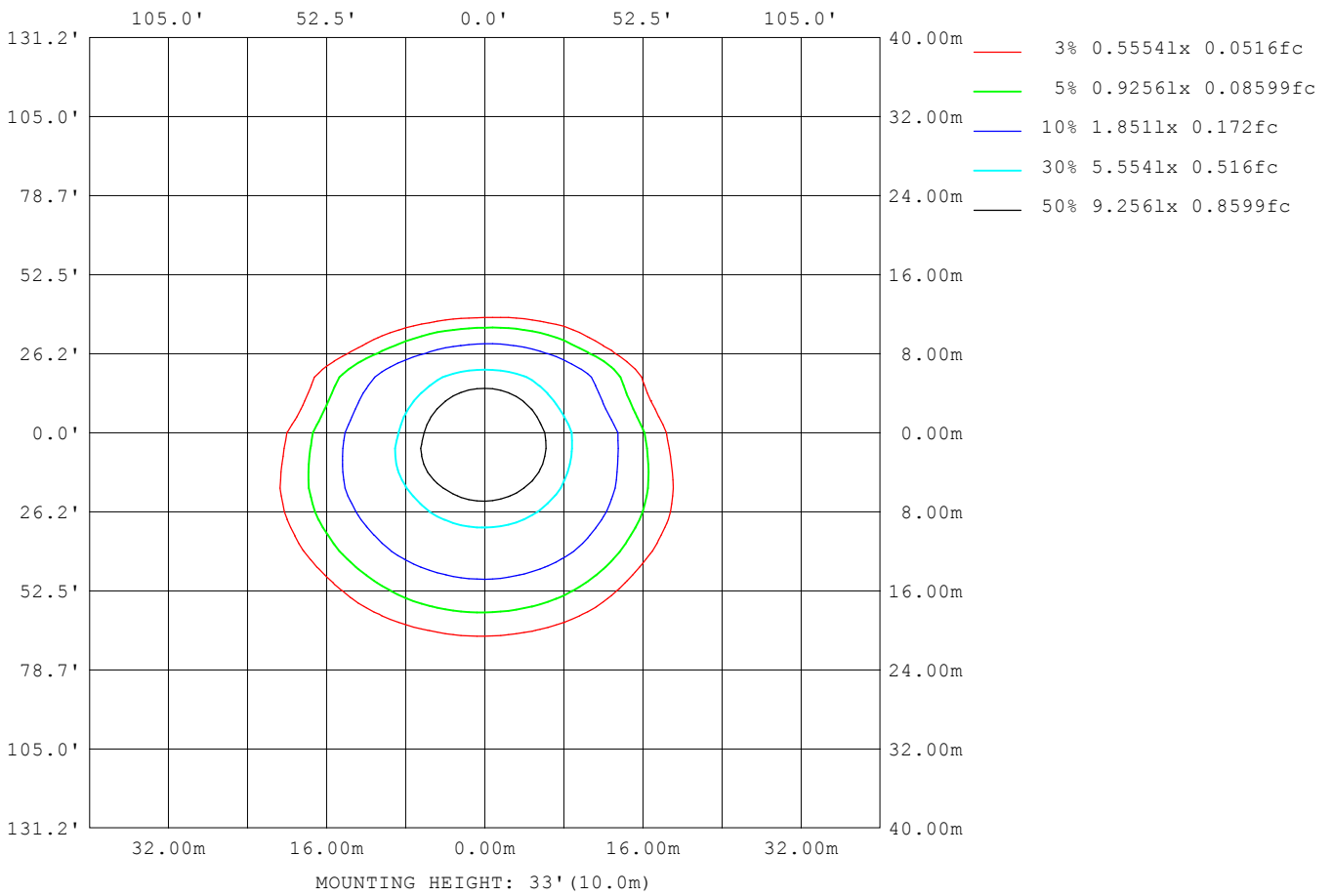


H(β) Range:-90 - 90DEG
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 Temperature:25.3DEG
 Operators:DAMIN
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V(B) Range:-120 - 120DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:8.600m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

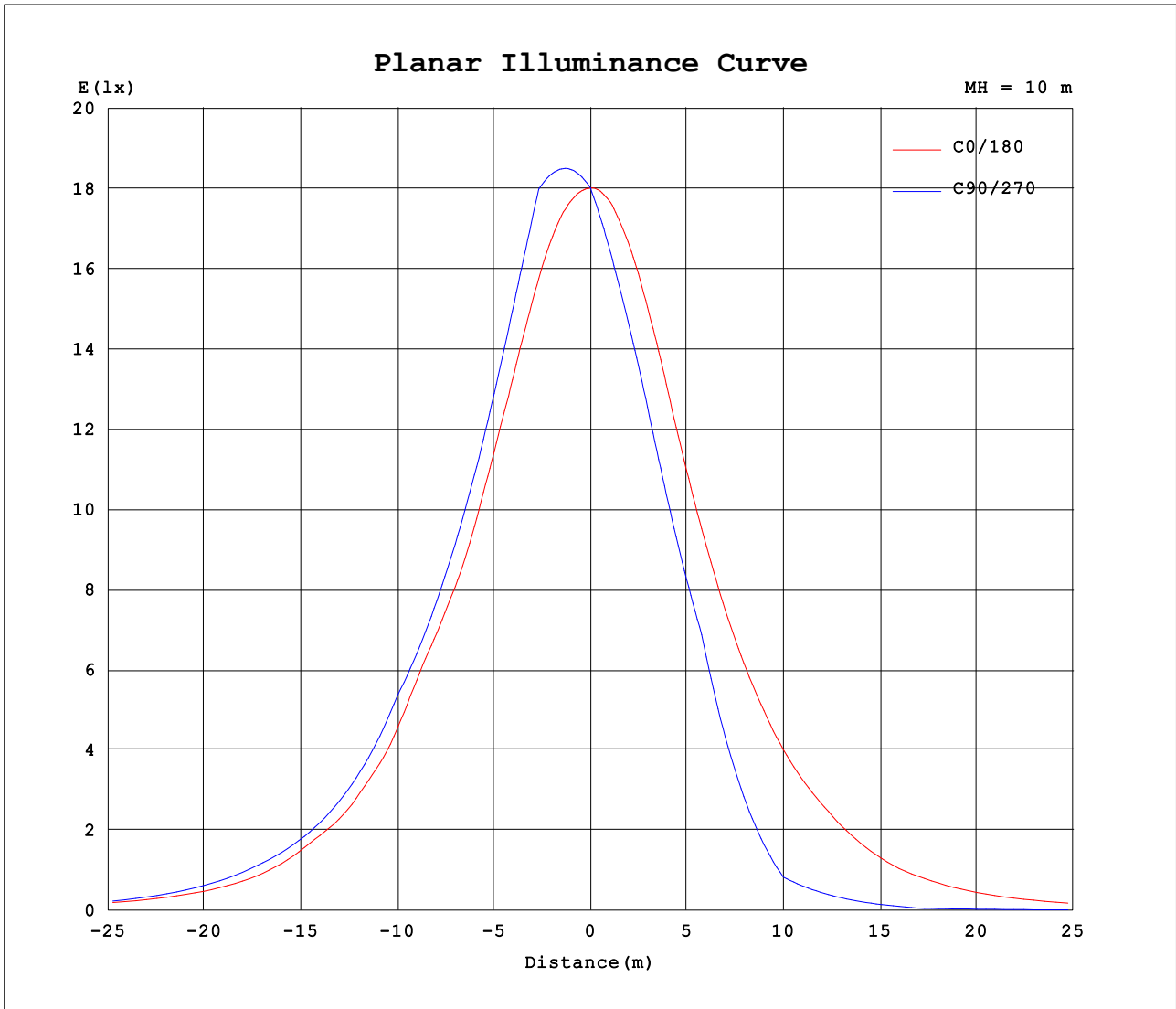
NAME: ML-WPD-30W-5000K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2016-10-28

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

Planar Illuminance Curve

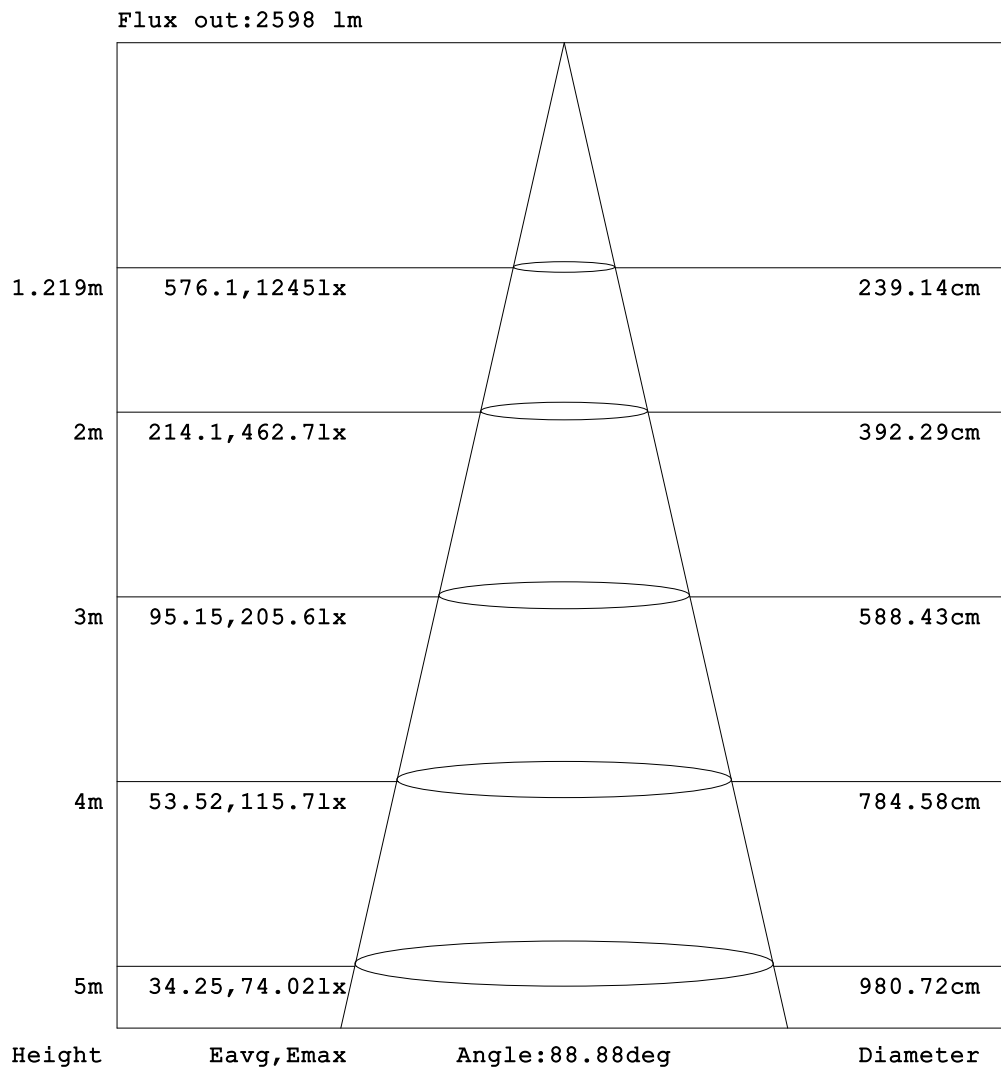


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2016-10-28

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

AAI Figure

NAME: ML-WPD-30W-5000K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	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:DAMIN
Test Date:2016-10-28

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: ML-WPD-30W-5000K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	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
-180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
-80	0.00	0.00	0.00	0.00	0.68	5.22	10.3	14.5	18.9	23.0	27.4	31.0	33.9	35.7	37.7	39.5	41.2	42.2	42.1
-70	0.00	0.00	0.00	3.93	32.4	68.6	106	144	178	210	239	266	289	306	320	329	336	340	339
-60	0.00	0.00	0.00	11.8	95.0	190	287	388	477	560	635	705	764	812	846	869	884	892	892
-50	0.00	0.00	0.39	65.6	227	370	514	646	769	882	985	1075	1150	1207	1250	1275	1298	1306	1308
-40	0.00	0.00	4.39	128	330	502	675	836	991	1120	1237	1334	1414	1480	1527	1553	1580	1589	1590
-30	0.00	0.00	12.0	200	405	585	772	958	1142	1272	1392	1481	1556	1630	1677	1704	1730	1740	1739
-20	0.00	0.00	26.0	224	417	598	796	1003	1203	1346	1474	1589	1684	1773	1831	1866	1890	1908	1915
-10	0.00	0.10	38.6	234	412	590	789	1001	1185	1326	1450	1570	1673	1769	1839	1883	1909	1929	1935
0	0.00	0.29	49.8	230	390	564	750	951	1088	1211	1319	1424	1523	1620	1700	1755	1789	1802	1800
10	0.00	1.21	43.4	182	312	454	609	794	958	1091	1194	1277	1361	1437	1494	1537	1563	1576	1577
20	0.25	2.10	35.5	137	239	354	488	648	806	930	1021	1088	1155	1215	1261	1296	1317	1328	1330
30	0.76	2.97	26.0	93.3	172	264	388	515	632	726	801	857	904	956	999	1031	1050	1058	1058
40	1.70	3.36	15.5	45.7	80.7	123	179	237	295	348	389	420	443	463	483	497	506	509	513
50	2.36	3.48	8.64	17.4	26.8	39.4	54.0	70.9	92.4	116	134	148	155	159	164	168	170	171	174
60	2.74	3.32	5.39	8.46	10.4	12.1	14.2	17.4	23.8	32.1	37.0	39.4	41.4	42.8	43.9	44.8	44.2	43.3	42.5
70	2.58	2.74	3.51	5.11	6.33	7.63	9.09	10.9	14.0	18.6	22.5	25.6	27.6	27.4	27.3	28.0	28.4	28.9	29.8
80	2.22	2.03	1.95	2.38	2.87	3.58	4.44	5.29	6.36	8.27	10.5	12.9	14.3	13.5	13.1	13.6	14.1	14.9	16.1
90	1.66	1.18	0.71	0.27	0.00	0.00	0.20	0.56	0.84	1.02	1.13	1.23	1.30	1.35	1.37	1.40	1.44	1.44	1.45
100	0.86	0.42	0.24	0.12	0.22	0.49	0.85	1.24	1.58	1.85	2.07	2.24	2.38	2.46	2.51	2.56	2.58	2.59	2.57
110	0.31	0.02	0.06	0.46	1.12	1.90	2.70	3.44	4.15	4.79	5.36	5.84	6.22	6.51	6.72	6.88	6.98	7.02	6.96
120	0.00	0.00	0.18	1.28	2.69	4.22	5.75	7.19	8.57	9.84	11.0	12.0	12.8	13.5	14.0	14.4	14.6	14.7	14.6
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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H(β) Interval: 1.0DEG
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Humidity:65.0%
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LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: ML-WPD-30W-5000K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	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
-180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-100	0.00	0.00	0.00	0.00	0.00	0.00	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
-80	41.4	39.5	37.6	35.3	33.2	31.1	27.7	23.6	18.5	14.2	9.84	4.67	0.70	0.00	0.00	0.00	0.00	0.00
-70	336	328	318	305	287	264	233	198	163	130	93.4	60.7	26.0	1.99	0.00	0.00	0.00	0.00
-60	883	866	841	810	761	698	615	522	435	347	251	168	75.8	5.96	0.00	0.00	0.00	0.00
-50	1297	1280	1255	1217	1169	1095	995	871	742	621	494	355	207	43.9	0.01	0.00	0.00	0.00
-40	1580	1562	1534	1490	1442	1368	1266	1130	975	819	663	489	309	95.5	1.51	0.00	0.00	0.00
-30	1731	1710	1679	1631	1583	1518	1429	1299	1133	940	756	572	381	161	4.51	0.00	0.00	0.00
-20	1914	1894	1852	1776	1684	1588	1487	1364	1205	997	795	597	405	201	14.0	0.00	0.00	0.00
-10	1934	1913	1864	1782	1681	1579	1493	1386	1220	1016	806	593	403	219	23.6	0.00	0.00	0.00
0	1792	1766	1714	1647	1573	1490	1450	1364	1177	997	789	561	377	215	33.4	0.00	0.00	0.00
10	1570	1552	1515	1466	1406	1327	1246	1141	983	810	625	459	317	183	29.6	0.27	0.00	0.00
20	1325	1311	1286	1249	1200	1130	1042	943	813	652	491	362	253	142	24.2	0.88	0.07	0.00
30	1056	1045	1026	998	956	899	838	771	666	524	385	270	186	93.6	17.1	1.83	0.22	0.00
40	517	516	511	498	482	456	416	371	314	244	183	132	94.8	49.8	11.2	2.57	1.20	0.48
50	179	181	182	180	176	169	148	123	99.1	74.6	59.6	46.4	36.3	21.3	7.13	3.11	2.06	1.23
60	42.1	41.2	41.2	41.4	39.5	36.7	33.9	28.3	21.5	16.8	13.8	12.4	10.7	8.24	4.84	3.45	2.81	2.25
70	30.4	30.3	31.4	33.5	32.1	28.4	22.9	17.0	13.0	10.7	9.16	7.87	6.63	5.34	3.65	3.19	3.03	2.89
80	16.8	17.1	18.1	20.1	19.4	16.6	12.1	8.01	6.26	5.47	4.77	3.91	3.26	2.93	2.55	2.73	2.97	3.23
90	1.43	1.42	1.39	1.37	1.35	1.31	1.28	1.24	1.16	0.99	0.68	0.45	0.57	1.02	1.54	2.07	2.64	3.26
100	2.54	2.49	2.42	2.34	2.22	2.07	1.89	1.68	1.43	1.13	0.77	0.46	0.34	0.43	0.73	1.21	1.89	2.66
110	6.83	6.64	6.39	6.08	5.68	5.21	4.65	4.04	3.39	2.68	1.94	1.22	0.61	0.19	0.22	0.52	1.02	1.85
120	14.3	13.9	13.3	12.6	11.7	10.7	9.57	8.34	7.03	5.64	4.20	2.75	1.38	0.30	0.00	0.00	0.05	0.82
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	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:DAMIN
Test Date:2016-10-28

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks: