

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	888.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	111.3V x 105.3H
	At 50% of Imax	61.2V x 57.3H
	At 90% of Imax	23.4V x 21.8H

Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	918.4 lumens per klm.
	To 50% of Imax	523.5 lumens per klm.
	To 90% of Imax	95.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

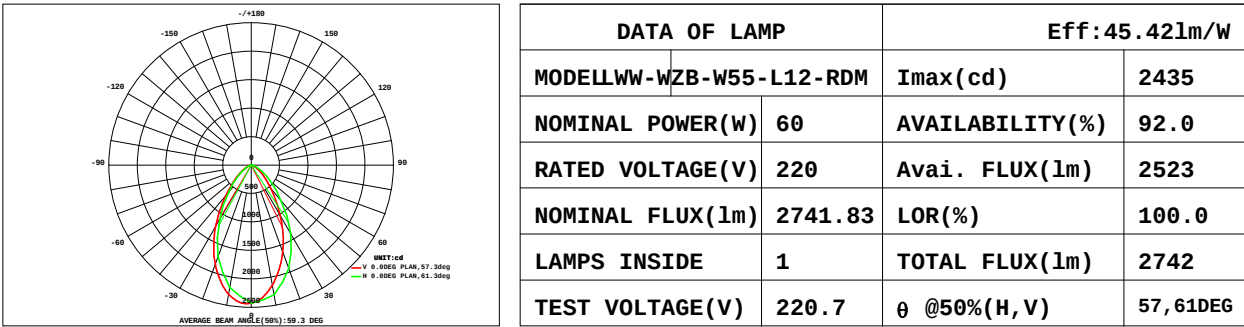
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.2811A P:60.36W PF:0.9729 Lamp Flux:2741.83x1 lm		
NAME: 8.01.017.0104 60° LW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
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	0.00	0.00	0.00	0.05	0.23	0.45	0.67	0.92	1.06	1.02	0.82	0.60	0.39	0.18	0.02	0.00	0.00	0.00	6.42	0.00
70	0.00	0.00	0.05	0.39	1.13	2.04	3.00	3.79	4.24	4.19	3.67	2.80	1.80	0.90	0.25	0.02	0.00	0.00	28.3	0.00
60	0.00	0.00	0.24	1.06	2.37	4.23	6.39	8.32	9.42	9.31	8.06	6.05	3.90	2.10	0.86	0.15	0.00	0.00	62.5	32.7
50	0.00	0.03	0.52	1.71	3.85	7.21	11.5	15.6	18.1	17.8	14.9	10.7	6.71	3.56	1.51	0.40	0.01	0.00	114	99.7
40	0.00	0.08	0.77	2.41	5.71	11.2	19.0	27.1	32.0	31.4	25.5	17.4	10.2	5.22	2.18	0.63	0.04	0.00	191	181
30	0.00	0.13	0.97	3.10	7.72	16.1	28.7	41.9	49.7	48.7	39.4	26.0	14.2	6.80	2.80	0.82	0.07	0.00	287	279
20	0.00	0.17	1.12	3.64	9.39	20.6	37.6	54.2	64.1	62.7	50.8	33.6	17.8	8.09	3.23	0.94	0.09	0.00	368	361
10	0.00	0.19	1.20	3.92	10.3	23.1	42.1	60.4	71.8	70.0	56.3	37.5	19.7	8.73	3.41	1.00	0.10	0.00	410	403
0	0.00	0.19	1.20	3.86	10.1	22.7	41.2	59.3	70.3	68.3	54.6	36.0	18.9	8.43	3.31	0.96	0.10	0.00	400	392
-10	0.00	0.16	1.08	3.46	8.82	19.2	34.8	50.4	59.2	57.4	45.9	29.9	15.9	7.33	2.92	0.86	0.08	0.00	337	330
-20	0.00	0.11	0.89	2.79	6.85	14.1	24.8	36.2	42.8	41.4	33.0	21.4	11.7	5.68	2.31	0.67	0.04	0.00	245	236
-30	0.00	0.03	0.62	2.02	4.75	9.38	15.5	21.9	25.6	24.8	20.0	13.7	7.99	4.10	1.70	0.45	0.01	0.00	152	141
-40	0.00	0.01	0.31	1.35	3.00	5.60	8.88	11.8	13.2	12.8	10.7	7.86	4.89	2.58	1.08	0.20	0.00	0.00	84.2	66.1
-50	0.00	0.00	0.10	0.70	1.72	2.98	4.23	5.23	5.77	5.63	4.87	3.73	2.53	1.40	0.50	0.03	0.00	0.00	39.4	3.46
-60	0.00	0.00	0.00	0.19	0.71	1.23	1.69	2.04	2.20	2.12	1.84	1.41	0.90	0.41	0.08	0.00	0.00	0.00	14.8	0.00
-70	0.00	0.00	0.00	0.00	0.04	0.16	0.28	0.38	0.42	0.40	0.31	0.18	0.07	0.01	0.00	0.00	0.00	0.00	2.24	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	0.00	1.09	9.07	30.7	76.7	160	280	399	470	458	371	249	138	65.5	26.2	7.15	0.55	0.00	2742	---
Φ a	0.00	0.00	0.00	6.41	58.4	145	266	385	456	444	357	236	122	45.9	2.20	0.00	0.00	0.00	---	2523

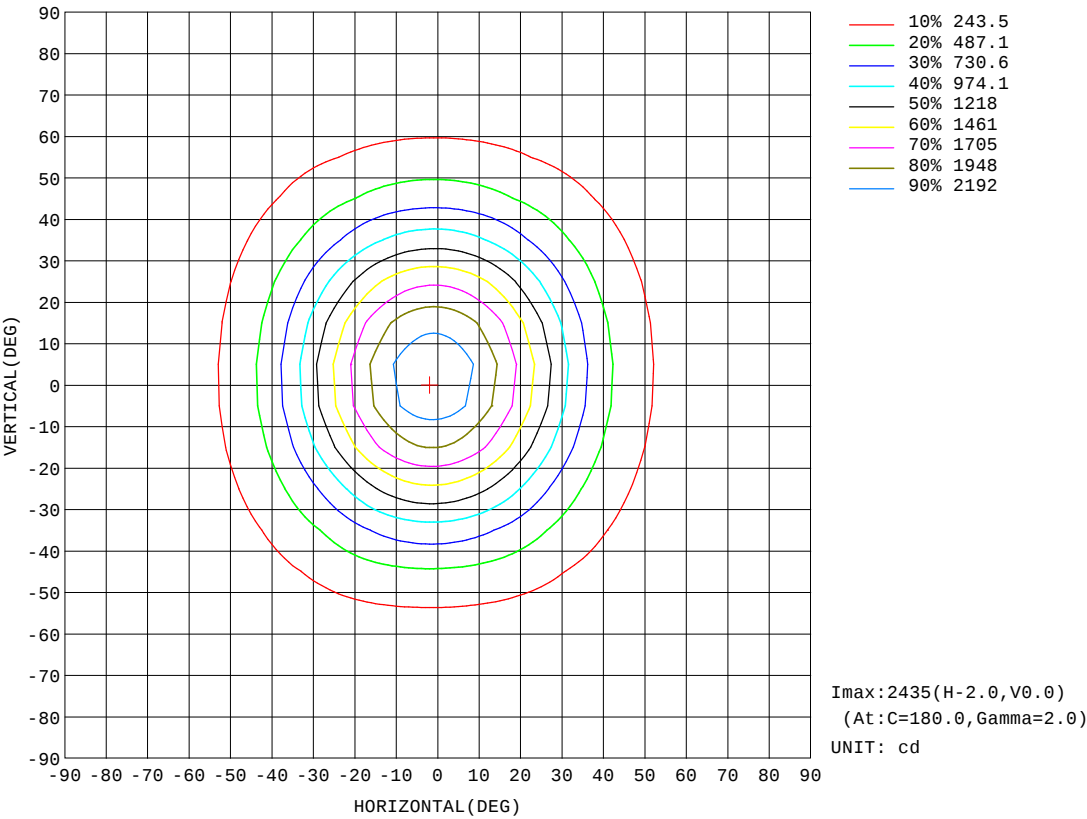
one-half-peak spread: U:28.4,D:33.2 , L:28.8,R:28.9 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.7V I:0.2811A P:60.36W PF:0.9729 Lamp Flux:2741.83x1 lm		
NAME: 8.01.017.0104 60° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

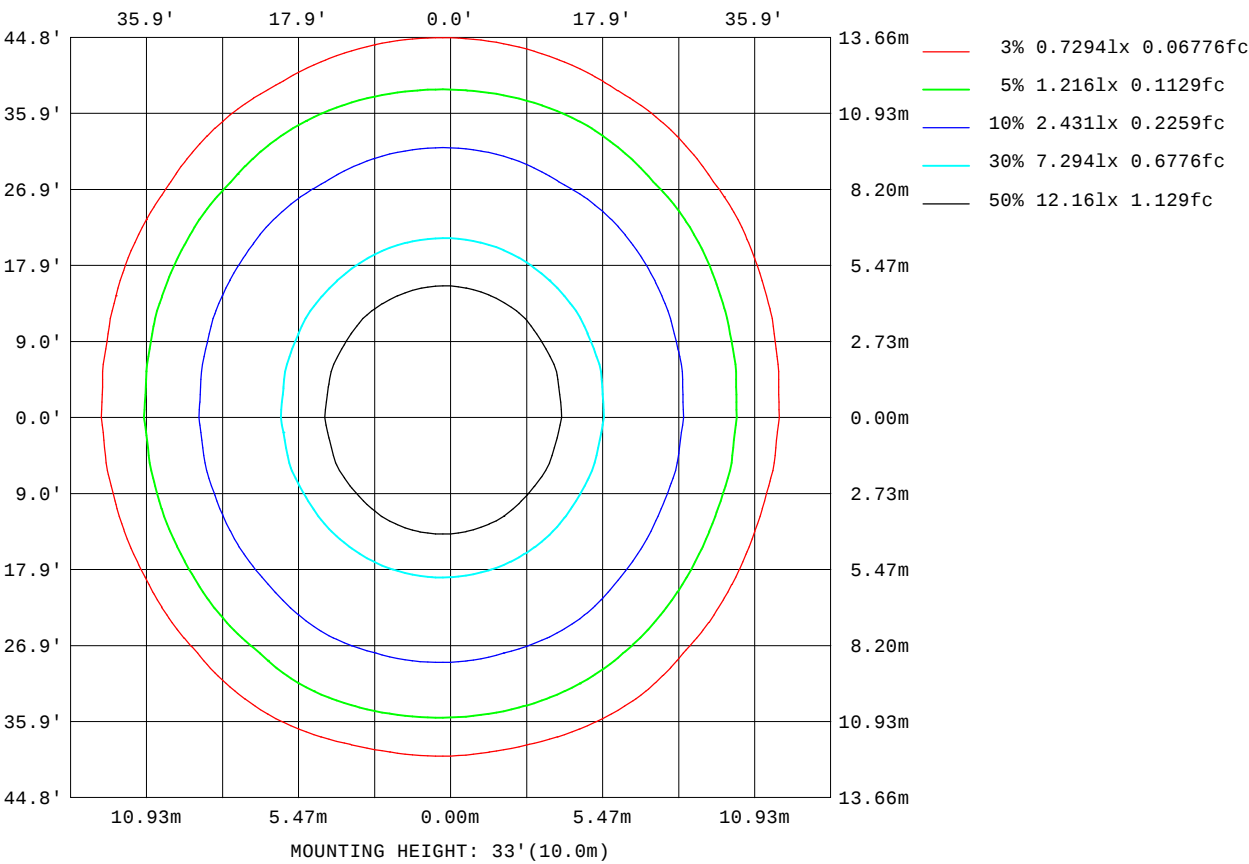


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H(β) Interval: 1.0DEG
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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.7V I:0.2811A P:60.36W PF:0.9729 Lamp Flux:2741.83x1 lm		
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DIM.:	SPEC.:	SERIAL No.:2024090122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

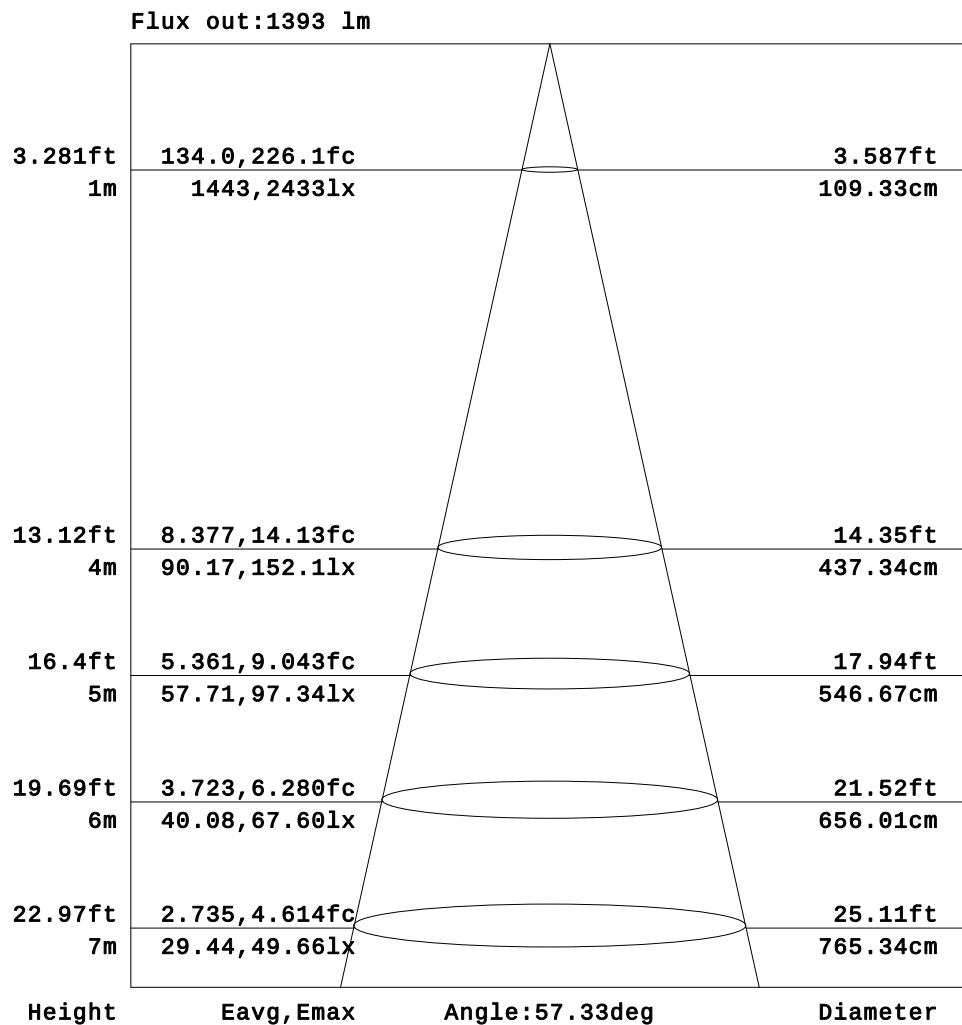


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.7V I:0.2811A P:60.36W PF:0.9729 Lamp Flux:2741.83x1 lm		
NAME: 8.01.017.0104 60° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

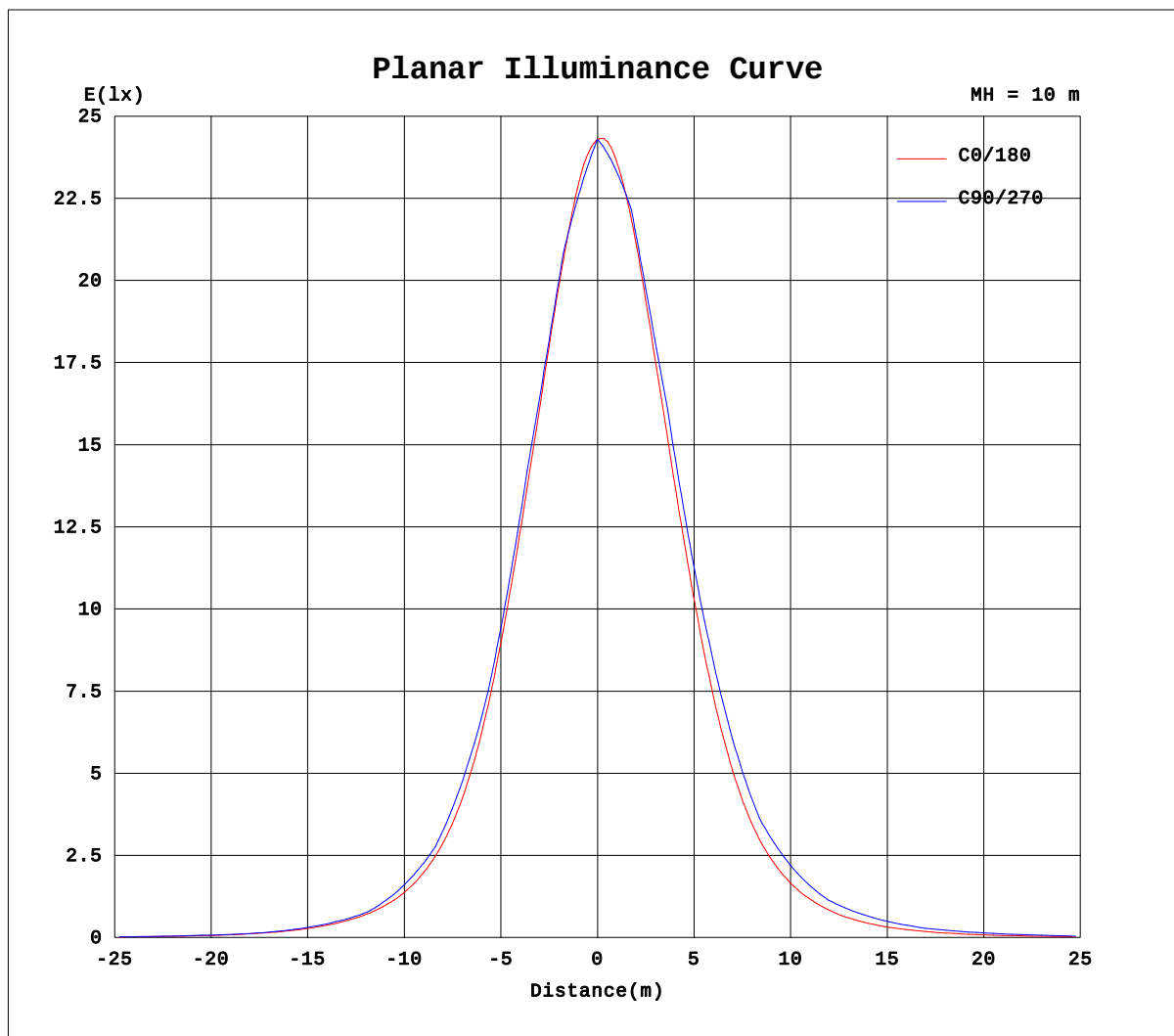


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 28.0DEG
Operators: QC1
Test Date: 2024-09-27

V(β) Range: -80 - 80DEG
V(β) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 83%
Test Distance: 8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.2811A P:60.36W PF:0.9729 Lamp Flux:2741.83x1 lm		
NAME: 8.01.017.0104 60° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

H(°) \ V(°)	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	4.48	7.44	10.3	12.9	15.1	16.9	18.4	19.3	19.8	19.7
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	10.2	16.0	21.6	26.8	30.9	34.4	37.3	38.9	39.6	39.3
-65	0.00	0.00	0.00	0.00	0.00	0.00	2.90	10.2	19.0	32.0	41.7	50.9	59.1	66.3	72.6	77.7	81.2	82.8	82.6
-60	0.00	0.00	0.00	0.00	0.00	0.00	8.92	24.0	40.9	58.1	71.1	83.6	94.5	104	113	120	124	126	125
-55	0.00	0.00	0.00	0.00	0.00	5.37	17.7	36.9	58.5	78.9	98.6	122	142	161	179	194	204	210	211
-50	0.00	0.00	0.00	0.00	0.01	13.2	34.0	58.6	83.9	108	135	169	198	226	252	272	287	295	295
-45	0.00	0.00	0.00	0.00	3.74	20.0	43.3	72.2	103	135	174	223	272	322	373	411	439	455	457
-40	0.00	0.00	0.00	0.00	11.8	34.6	64.2	98.5	133	176	232	296	364	439	511	563	600	619	618
-35	0.00	0.00	0.00	0.05	14.2	42.7	72.0	107	154	209	281	365	457	556	661	752	820	860	867
-30	0.00	0.00	0.00	1.63	26.7	61.4	95.0	133	194	268	362	470	587	717	851	973	1061	1110	1111
-25	0.00	0.00	0.00	4.84	29.9	61.9	99.4	145	212	299	407	540	694	868	1047	1208	1329	1402	1415
-20	0.00	0.00	0.00	16.7	45.1	76.1	121	180	261	369	501	668	868	1091	1312	1499	1634	1708	1710
-15	0.00	0.00	0.00	12.2	42.0	74.3	119	181	267	381	530	721	954	1207	1457	1671	1835	1933	1951
-10	0.00	0.00	0.01	20.3	51.9	88.8	138	212	313	448	628	862	1139	1426	1694	1919	2087	2178	2180
-5	0.00	0.00	0.00	16.4	47.0	83.1	131	202	301	436	616	853	1139	1437	1722	1967	2164	2284	2309
0	0.00	0.00	0.00	23.5	55.5	94.2	148	227	338	489	689	954	1259	1567	1856	2103	2303	2417	2425
5	0.00	0.00	0.00	16.8	47.3	83.7	133	206	307	446	631	876	1170	1474	1761	2010	2216	2344	2376
10	0.00	0.00	0.02	21.5	52.7	90.3	142	221	326	469	660	910	1203	1500	1774	2008	2194	2302	2314
15	0.00	0.00	0.00	14.3	43.6	78.4	125	192	285	410	574	788	1048	1323	1583	1810	1989	2099	2128
20	0.00	0.00	0.00	18.0	47.6	82.5	130	197	287	410	565	763	1002	1254	1491	1691	1840	1922	1932
25	0.00	0.00	0.00	9.65	36.5	68.4	109	165	242	342	467	626	817	1027	1234	1416	1556	1641	1663
30	0.00	0.00	0.00	11.2	37.5	68.5	107	160	232	320	428	560	715	885	1054	1205	1317	1378	1387
35	0.00	0.00	0.00	3.75	26.3	54.0	87.2	130	186	256	341	444	562	691	821	938	1030	1085	1100
40	0.00	0.00	0.00	3.82	25.5	51.8	82.5	120	167	225	292	372	459	549	637	713	771	804	809
45	0.00	0.00	0.00	0.47	14.0	36.2	62.8	93.3	130	175	227	288	353	421	486	544	589	617	624
50	0.00	0.00	0.00	0.00	10.8	30.6	54.6	80.4	110	144	185	228	275	320	361	395	421	435	437
55	0.00	0.00	0.00	0.00	3.62	16.9	36.3	57.9	81.4	108	138	170	204	236	266	292	311	323	326
60	0.00	0.00	0.00	0.00	0.00	10.4	26.6	44.2	63.0	82.9	103	125	146	165	183	197	208	213	214
65	0.00	0.00	0.00	0.00	0.00	3.80	11.6	24.1	38.4	53.7	68.7	84.1	99.1	112	125	135	143	147	148
70	0.00	0.00	0.00	0.00	0.00	0.00	0.27	9.57	19.9	30.6	40.3	49.3	57.7	64.9	70.9	75.9	79.7	81.6	81.7
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	8.88	14.3	19.2	23.8	28.0	31.9	36.0	39.3	41.9	43.3	43.5
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	0.65	2.48	3.91	4.83	5.24
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

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2024-09-27

$V(\beta)$ Range:-80 - 80DEG
 $V(\beta)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.2811A P:60.36W PF:0.9729 Lamp Flux:2741.83x1 lm		
NAME: 8.01.017.0104 60° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--2																		UNIT: cd	
H(°) \ V(°)	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	19.1	17.9	16.2	14.0	11.5	8.78	5.86	2.78	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-70	37.9	35.2	31.5	27.0	22.0	16.4	10.5	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-65	80.7	77.0	71.7	65.1	57.6	49.2	40.2	30.6	21.0	14.1	6.35	0.08	0.00	0.00	0.00	0.00	0.00	0.00	
-60	122	117	109	100	90.0	78.5	66.1	52.9	39.3	25.4	9.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-55	206	197	183	166	148	128	108	88.5	67.9	48.8	30.1	12.1	2.71	0.00	0.00	0.00	0.00	0.00	
-50	287	272	251	225	198	169	142	116	88.4	64.8	43.2	19.6	2.61	0.00	0.00	0.00	0.00	0.00	
-45	446	421	386	345	298	249	204	164	124	91.2	63.9	38.5	15.0	1.10	0.00	0.00	0.00	0.00	
-40	597	558	507	446	380	310	248	196	146	106	74.7	47.8	19.4	0.14	0.00	0.00	0.00	0.00	
-35	840	785	707	614	515	417	330	256	194	141	98.6	65.2	35.1	9.56	0.00	0.00	0.00	0.00	
-30	1065	983	872	743	610	485	380	291	219	157	108	70.5	39.9	11.5	0.00	0.00	0.00	0.00	
-25	1368	1273	1133	968	792	623	479	361	269	195	134	87.8	52.8	22.8	1.50	0.00	0.00	0.00	
-20	1640	1513	1332	1122	903	698	526	390	286	205	139	89.7	53.2	23.1	0.38	0.00	0.00	0.00	
-15	1889	1755	1565	1340	1091	848	638	469	341	243	167	108	66.0	32.6	5.52	0.00	0.00	0.00	
-10	2093	1931	1711	1458	1181	907	675	491	352	247	169	108	64.3	30.4	3.12	0.00	0.00	0.00	
-5	2239	2074	1854	1596	1309	1018	758	549	391	275	190	122	74.0	37.8	8.71	0.00	0.00	0.00	
0	2331	2139	1897	1623	1320	1017	748	536	378	265	181	114	68.0	32.5	4.34	0.00	0.00	0.00	
5	2306	2138	1916	1652	1362	1063	788	568	403	283	196	126	76.2	39.1	9.63	0.00	0.00	0.00	
10	2227	2056	1834	1571	1282	992	732	527	374	261	179	114	68.2	32.8	4.83	0.00	0.00	0.00	
15	2068	1930	1735	1494	1228	960	718	523	376	266	185	120	72.5	36.8	8.32	0.00	0.00	0.00	
20	1866	1734	1546	1315	1065	826	618	453	329	236	162	103	61.3	28.3	2.19	0.00	0.00	0.00	
25	1618	1515	1359	1166	957	754	576	430	316	230	161	104	63.2	30.7	4.72	0.00	0.00	0.00	
30	1339	1240	1099	933	764	607	470	358	266	194	134	87.0	51.0	21.7	0.27	0.00	0.00	0.00	
35	1071	1002	900	777	649	526	416	323	244	180	126	82.7	49.1	21.4	1.33	0.00	0.00	0.00	
40	782	728	653	570	482	398	322	255	196	141	98.3	63.8	35.1	11.4	0.00	0.00	0.00	0.00	
45	609	574	524	465	399	335	275	219	169	124	87.2	56.9	31.3	9.66	0.00	0.00	0.00	0.00	
50	425	403	372	334	290	247	204	162	123	90.6	63.1	39.1	18.2	0.96	0.00	0.00	0.00	0.00	
55	320	306	285	259	227	195	162	130	100	73.6	50.5	30.0	12.2	1.80	0.00	0.00	0.00	0.00	
60	210	201	188	172	152	129	107	85.8	65.6	46.8	29.3	13.4	0.52	0.00	0.00	0.00	0.00	0.00	
65	146	140	132	121	107	92.0	76.1	60.9	45.5	30.8	17.1	8.18	1.15	0.00	0.00	0.00	0.00	0.00	
70	79.9	76.6	71.4	64.5	56.9	48.4	39.5	30.0	19.3	9.13	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75	42.4	40.2	36.8	33.0	29.2	25.1	20.6	16.0	10.7	5.56	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	4.11	2.60	0.63	0.00	0.00	0.00	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:28.0DEG
Operators:QC1
Test Date:2024-09-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: