

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

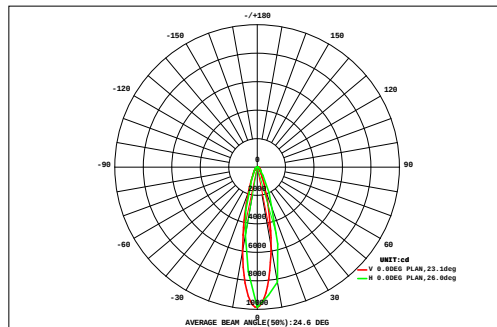
Maximum Intensity (Luminaire orientation as tested.)		3198.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	55.3V x 49.9H
	At 50% of Imax	26.0V x 23.2H
	At 90% of Imax	8.6V x 8.5H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	690.8 lumens per klm.
	To 50% of Imax	319.2 lumens per klm.
	To 90% of Imax	40.5 lumens per klm.
Upward LOR		0.0 %
Downward LOR		100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.1V I:0.2388A P:63.93W PF:0.9662 Lamp Flux:3081.71x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120039
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:48.20lm/W	
MODELLWW-WZB-W55-L12-RDM		Imax(cd)	9858
NOMINAL POWER(W)	64	AVAILABILITY(%)	69.3
RATED VOLTAGE(V)	278	Avai. FLUX(lm)	2136
NOMINAL FLUX(lm)	3081.71	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3082
TEST VOLTAGE(V)	277.1	θ @50%(H,V)	23,26DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.92	1.17	1.44	1.74	2.07	2.40	2.71	2.94	3.07	3.06	2.91	2.66	2.34	2.00	1.68	1.38	1.11	0.87	36.5	0.00
45	1.05	1.32	1.64	2.00	2.43	2.86	3.27	3.60	3.77	3.76	3.55	3.20	2.78	2.35	1.94	1.57	1.26	0.99	43.3	0.00
40	1.15	1.50	1.95	2.53	3.27	4.15	5.10	5.96	6.48	6.45	5.88	4.98	4.02	3.16	2.44	1.87	1.42	1.09	63.4	0.00
35	1.27	1.67	2.23	2.97	3.95	5.17	6.50	7.75	8.52	8.48	7.64	6.35	5.00	3.81	2.86	2.13	1.58	1.19	79.1	27.6
30	1.35	1.86	2.61	3.71	5.42	8.05	11.7	15.8	18.6	18.4	15.2	11.1	7.58	5.11	3.51	2.47	1.77	1.29	136	102
25	1.45	2.05	2.95	4.35	6.62	10.3	15.6	21.8	26.1	25.7	20.8	14.7	9.62	6.20	4.08	2.79	1.95	1.39	178	149
20	1.49	2.13	3.14	4.90	8.17	14.5	25.2	39.4	50.7	49.9	38.1	24.2	13.7	7.75	4.68	3.03	2.07	1.44	294	268
15	1.56	2.25	3.39	5.47	9.60	18.0	32.9	53.1	69.5	68.5	51.5	31.7	17.0	9.15	5.28	3.30	2.20	1.51	386	361
10	1.53	2.21	3.31	5.32	9.33	17.7	33.0	53.4	69.3	68.1	51.0	31.2	16.7	8.83	5.07	3.19	2.15	1.49	383	358
5	1.54	2.23	3.34	5.40	9.63	18.7	35.7	58.1	75.4	74.1	55.2	33.3	17.6	9.08	5.13	3.21	2.15	1.51	411	387
0	1.47	2.06	2.98	4.55	7.42	13.1	22.7	35.3	45.0	44.6	34.4	21.9	12.6	7.18	4.41	2.91	2.02	1.43	266	239
-5	1.42	1.96	2.75	4.00	6.04	9.66	14.9	21.7	26.8	26.9	21.9	14.9	9.52	6.00	3.95	2.71	1.93	1.38	178	148
-10	1.31	1.78	2.43	3.37	4.78	7.03	10.3	14.1	16.9	16.9	14.0	10.1	6.87	4.67	3.28	2.37	1.75	1.29	123	88.2
-15	1.23	1.62	2.13	2.76	3.49	4.14	4.56	4.53	4.45	4.46	4.55	4.55	4.08	3.39	2.68	2.08	1.59	1.22	57.5	7.67
-20	1.13	1.46	1.88	2.40	3.03	3.79	4.63	5.43	5.95	5.94	5.41	4.59	3.74	2.98	2.36	1.85	1.44	1.11	59.1	0.00
-25	1.03	1.30	1.61	1.96	2.30	2.59	2.77	2.83	2.83	2.83	2.83	2.77	2.58	2.28	1.95	1.59	1.29	1.02	38.4	0.00
-30	0.92	1.17	1.44	1.74	2.04	2.34	2.63	2.84	2.96	2.95	2.81	2.59	2.31	2.01	1.72	1.43	1.16	0.92	36.0	0.00
-35	0.82	1.02	1.24	1.44	1.63	1.77	1.91	1.98	2.00	1.99	1.94	1.86	1.74	1.60	1.43	1.24	1.03	0.82	27.5	0.00
-40	0.82	1.02	1.24	1.44	1.63	1.77	1.91	1.98	2.00	1.99	1.94	1.86	1.74	1.60	1.43	1.24	1.03	0.82	27.5	0.00
-45	0.82	1.02	1.24	1.44	1.63	1.77	1.91	1.98	2.00	1.99	1.94	1.86	1.74	1.60	1.43	1.24	1.03	0.82	27.5	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	22.6	30.8	42.5	60.6	91.2	146	236	350	438	433	340	227	140	87.6	58.5	41.1	29.9	22.0	2797	---
Φ a	0.00	0.00	0.00	0.55	44.3	111	203	319	409	403	309	193	105	39.1	0.00	0.00	0.00	0.00	---	2136

one-half-peak spread: U:10.0,D:16.2 , L:12.0,R:11.4

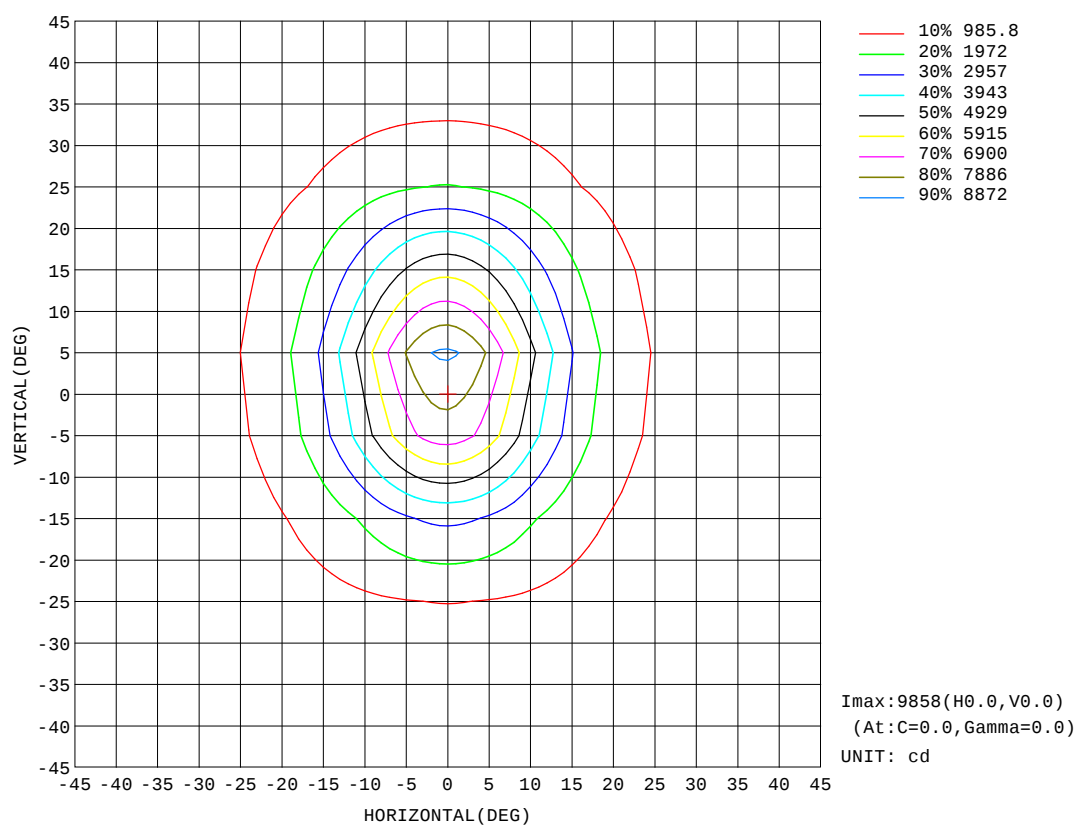
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:QC1
 Test Date:2023-12-27

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:61%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.1V I:0.2388A P:63.93W PF:0.9662 Lamp Flux:3081.71x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120039
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

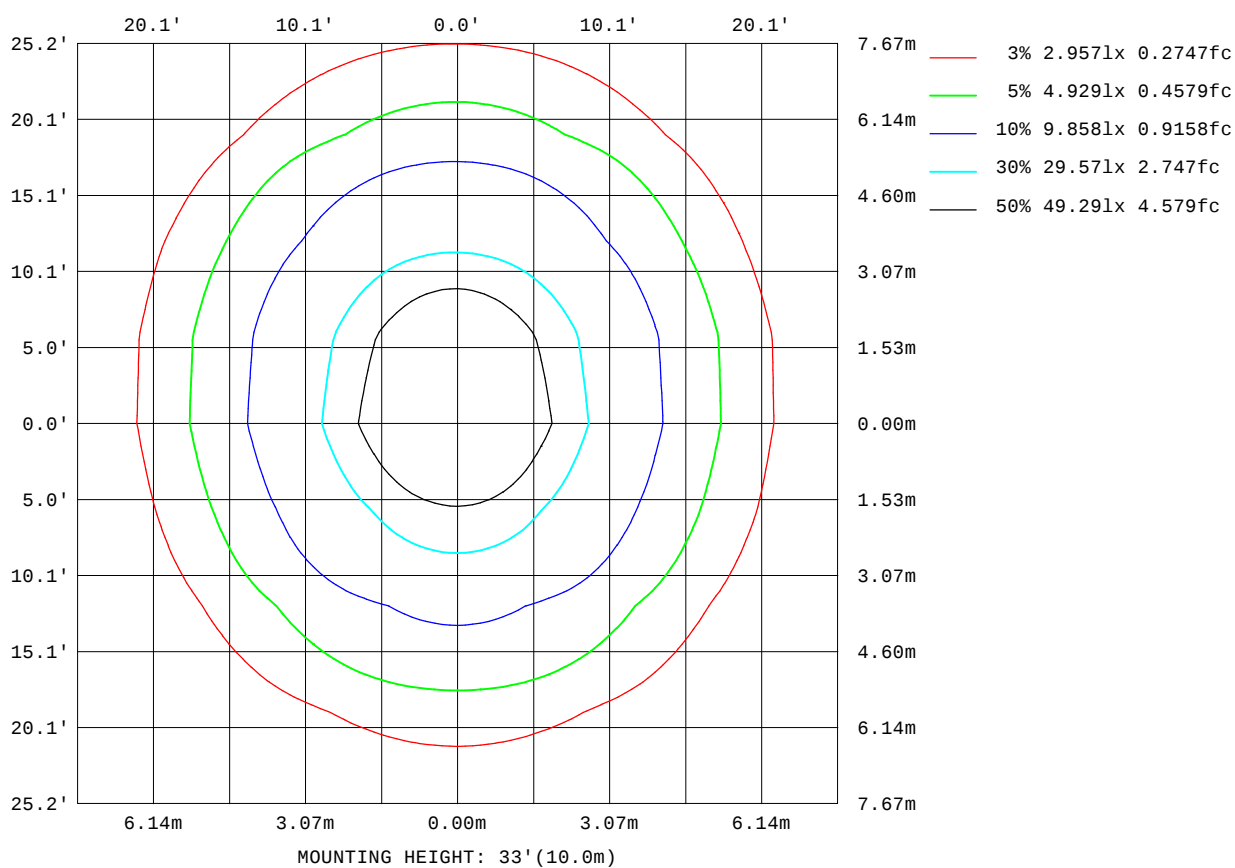


H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators: QC1
Test Date: 2023-12-27

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 61%
Test Distance: 8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:277.1V I:0.2388A P:63.93W PF:0.9662 Lamp Flux:3081.71x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120039
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

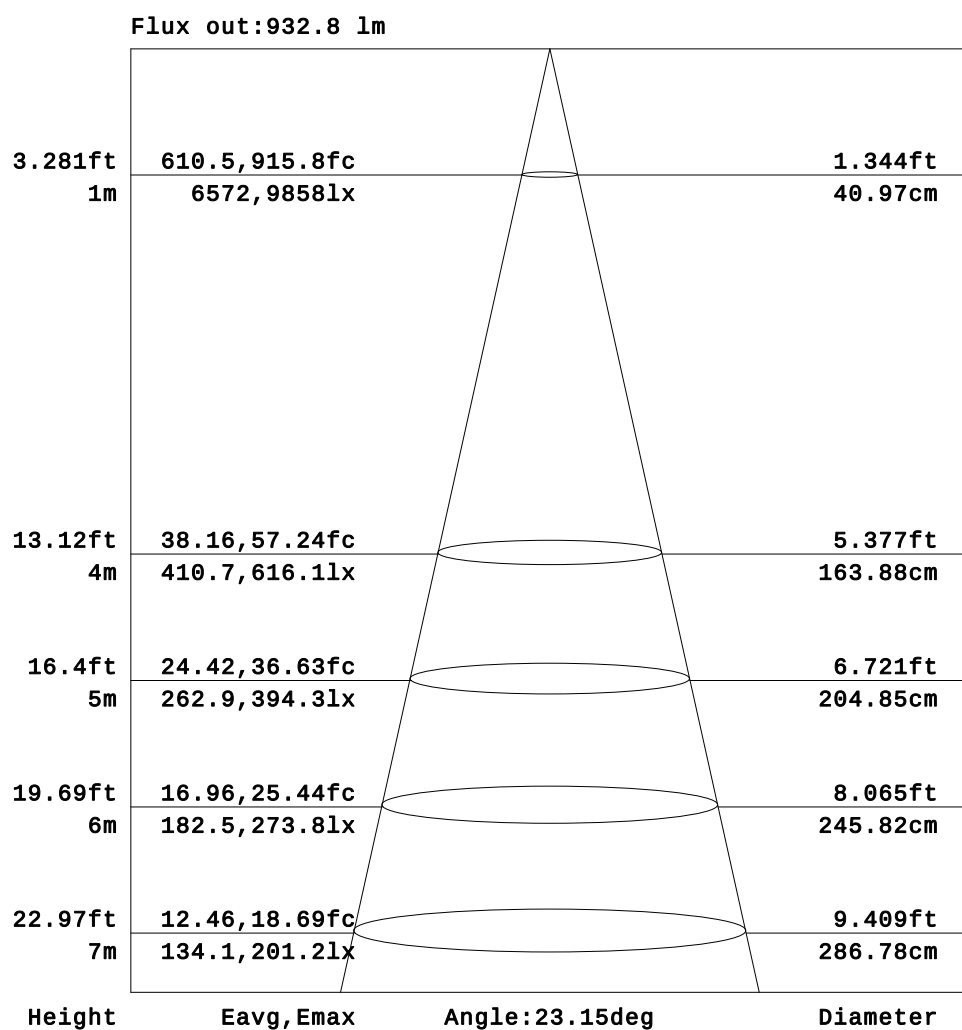


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:277.1V I:0.2388A P:63.93W PF:0.9662 Lamp Flux:3081.71x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120039
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

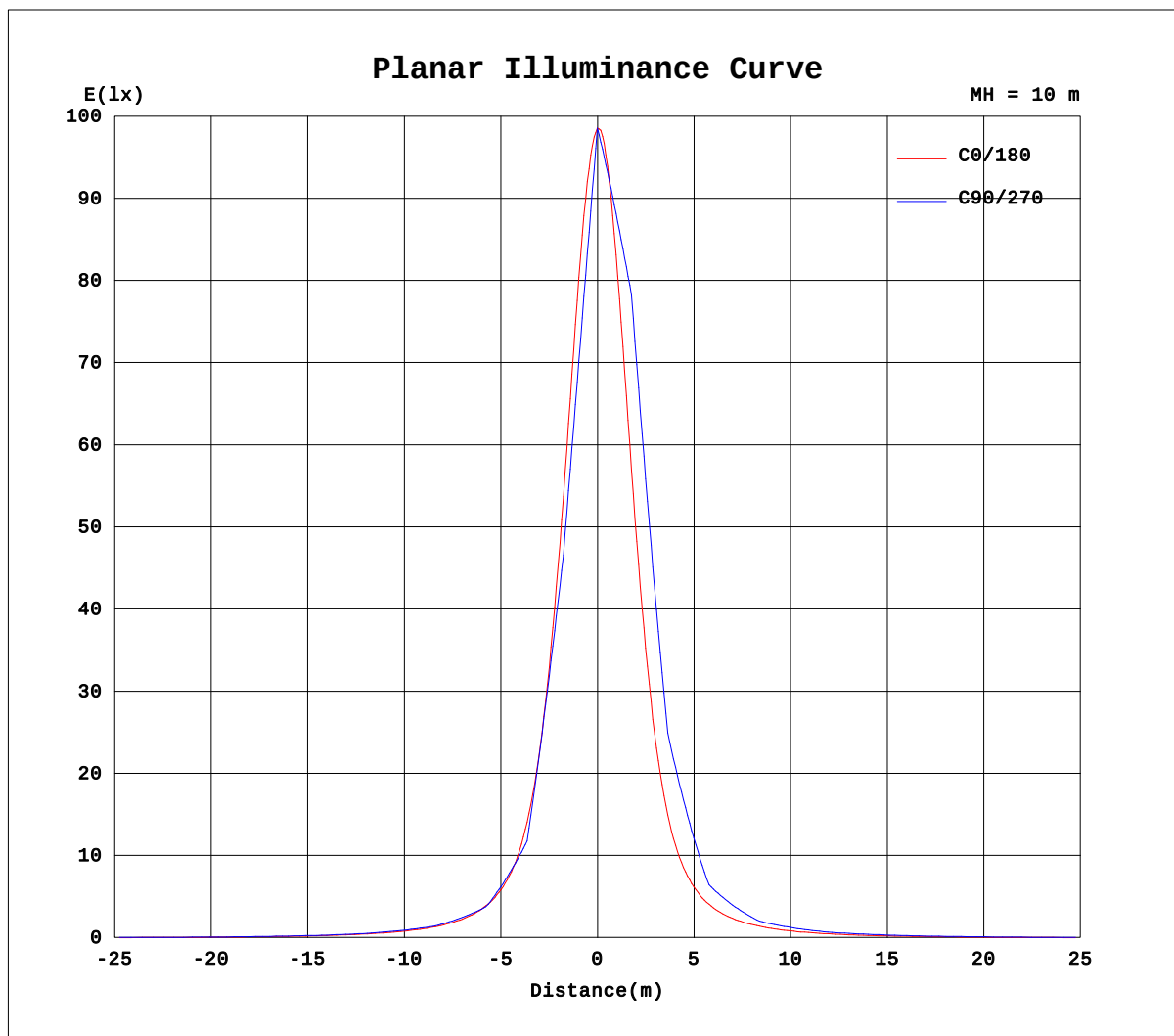


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-27

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
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: 27.1DEG
Operators: QC1
Test Date: 2023-12-27

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 61%
Test Distance: 8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.1V I:0.2388A P:63.93W PF:0.9662 Lamp Flux:3081.71x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120039
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	0.42	1.05
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	6.33	10.0	13.1	16.9	18.9	23.6	26.2	28.3	29.9	30.7
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	12.7	20.1	26.3	33.8	37.9	47.3	52.4	56.6	59.4	60.4
-65	0.00	0.00	0.00	0.00	0.00	0.00	5.22	12.6	23.3	35.2	44.1	53.9	65.6	72.6	81.6	87.8	92.7	95.9	96.9
-60	0.00	0.00	0.00	0.00	0.00	0.00	10.4	25.2	42.1	57.7	68.2	81.5	97.3	107	116	123	129	132	133
-55	0.00	0.00	0.00	0.00	0.01	7.21	22.3	40.0	60.3	77.8	96.1	112	128	140	150	158	165	169	171
-50	0.00	0.00	0.00	0.00	0.02	14.4	34.2	54.8	78.4	97.9	124	143	158	172	184	194	202	207	208
-45	0.00	0.00	0.00	0.00	5.53	23.7	45.0	70.1	97.4	120	146	169	190	210	228	244	257	265	267
-40	0.00	0.00	0.00	0.00	11.0	32.9	55.8	85.3	116	143	168	194	222	249	273	295	313	324	326
-35	0.00	0.00	0.00	0.48	17.1	42.6	70.1	100	130	159	189	222	258	300	340	382	419	445	454
-30	0.00	0.00	0.00	0.96	23.1	52.3	84.3	115	144	176	209	249	295	351	408	470	524	566	582
-25	0.00	0.00	0.00	5.72	30.0	61.8	93.4	125	155	190	230	282	348	433	540	673	823	950	1002
-20	0.00	0.00	0.00	10.5	36.9	71.3	102	134	166	204	251	315	400	514	671	876	1121	1333	1423
-15	0.00	0.00	0.00	13.2	41.6	74.9	107	140	175	216	271	348	462	640	938	1432	2130	2841	3152
-10	0.00	0.00	0.00	15.9	46.2	78.6	111	146	183	228	290	381	524	765	1204	1988	3139	4349	4881
-5	0.00	0.00	0.00	17.1	47.6	80.5	114	148	186	233	303	406	577	887	1505	2707	4553	6510	7369
0	0.00	0.00	0.00	18.2	48.9	82.4	116	150	189	239	315	430	630	1010	1805	3427	5967	8671	9858
5	0.00	0.00	0.00	17.3	47.7	80.8	114	149	188	238	312	427	622	987	1732	3192	5473	7933	9026
10	0.00	0.00	0.00	16.4	46.4	79.2	113	148	188	238	310	423	614	965	1658	2956	4980	7195	8194
15	0.00	0.00	0.00	15.0	44.1	76.2	109	144	183	230	296	397	560	836	1346	2241	3573	4981	5600
20	0.00	0.00	0.00	13.6	41.8	73.3	106	141	178	222	281	370	505	707	1034	1525	2166	2768	3005
25	0.00	0.00	0.00	10.5	37.1	67.1	98.9	132	169	209	259	331	434	582	804	1117	1507	1863	2001
30	0.00	0.00	0.00	7.45	32.5	61.0	91.7	124	160	196	237	291	364	456	575	710	848	958	998
35	0.00	0.00	0.00	4.05	26.9	53.2	82.0	113	146	178	214	257	310	377	458	546	634	701	725
40	0.00	0.00	0.00	0.65	21.2	45.5	72.3	102	132	161	191	222	257	298	341	383	420	444	452
45	0.00	0.00	0.00	0.32	14.2	35.6	59.6	86.3	113	139	166	194	223	254	285	314	338	354	359
50	0.00	0.00	0.00	0.00	7.26	25.8	46.9	70.8	94.7	118	142	166	188	210	228	244	256	264	266
55	0.00	0.00	0.00	0.00	3.63	15.8	33.5	53.7	74.3	94.8	115	135	154	171	187	199	209	214	216
60	0.00	0.00	0.00	0.00	0.00	5.86	20.0	36.7	53.9	71.3	88.5	105	120	133	145	154	161	165	166
65	0.00	0.00	0.00	0.00	0.00	2.93	10.0	20.1	33.3	46.4	59.4	71.9	83.6	94.2	103	111	116	120	121
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	12.6	21.4	30.3	39.1	47.6	55.3	62.0	67.5	71.8	74.4	75.3
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	6.28	10.7	15.1	19.6	23.8	27.6	31.0	33.9	36.7	38.5	39.1
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	0.25	1.69	2.62	2.90
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
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V(B) Range:-80 - 80DEG
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Humidity:61%
Test Distance:8.300m [K=1.0000]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W									TYPE:LED						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:2023120039		
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	0.23	0.00	0.00	0.00	0.00	0.00	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	29.6	28.0	25.9	23.4	20.6	17.5	14.1	10.6	6.83	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	59.1	56.0	51.8	46.7	41.1	34.9	28.2	21.1	13.7	6.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	95.2	91.5	86.4	80.3	73.2	65.1	56.3	46.5	36.1	25.1	13.9	6.15	0.44	0.00	0.00	0.00	0.00	0.00
-60	131	127	121	114	105	95.4	84.3	71.9	58.5	44.1	27.8	12.3	0.88	0.00	0.00	0.00	0.00	0.00
-55	168	163	156	147	137	125	112	97.6	81.6	63.9	45.3	25.6	9.44	1.05	0.00	0.00	0.00	0.00
-50	205	199	191	181	169	155	140	123	105	83.7	62.8	38.9	18.0	2.09	0.00	0.00	0.00	0.00
-45	263	253	240	225	207	188	168	146	123	99.4	76.1	51.6	27.4	7.07	0.00	0.00	0.00	0.00
-40	321	307	289	268	245	221	195	169	141	115	89.5	64.3	36.8	12.1	0.00	0.00	0.00	0.00
-35	443	415	377	336	295	257	221	188	157	129	102	74.7	46.5	19.6	1.05	0.00	0.00	0.00
-30	565	524	465	404	346	292	246	207	173	143	114	85.2	56.2	27.1	2.10	0.00	0.00	0.00
-25	949	816	664	529	423	341	277	227	187	153	122	91.6	61.6	32.0	5.62	0.00	0.00	0.00
-20	1332	1109	863	654	500	389	308	248	201	164	129	98.0	66.9	36.8	9.15	0.00	0.00	0.00
-15	2827	2093	1399	914	625	451	341	265	211	170	135	103	71.1	40.1	11.6	0.00	0.00	0.00
-10	4322	3078	1935	1174	749	514	374	283	221	177	141	108	75.4	43.4	14.1	0.00	0.00	0.00
-5	6366	4349	2565	1437	852	558	395	294	227	180	143	109	76.5	44.1	14.5	0.00	0.00	0.00
0	8410	5621	3195	1700	954	602	416	305	233	184	145	111	77.6	44.7	14.9	0.00	0.00	0.00
5	7714	5216	3002	1632	938	597	414	304	232	183	144	110	76.6	44.0	14.4	0.00	0.00	0.00
10	7017	4812	2810	1564	921	593	412	303	230	181	143	109	75.7	43.3	13.9	0.00	0.00	0.00
15	4853	3434	2121	1267	793	534	383	286	221	175	138	104	71.7	40.0	11.6	0.00	0.00	0.00
20	2690	2057	1433	970	665	474	353	270	212	169	132	99.3	67.7	36.8	9.37	0.00	0.00	0.00
25	1819	1445	1062	763	552	412	315	247	198	159	125	93.2	62.3	32.9	7.02	0.00	0.00	0.00
30	948	832	690	555	440	349	276	224	184	150	118	87.0	56.9	29.0	4.67	0.00	0.00	0.00
35	695	623	532	443	364	298	244	202	167	135	105	76.5	48.7	22.8	2.33	0.00	0.00	0.00
40	441	413	374	331	288	248	212	180	151	120	92.5	66.0	40.5	16.5	0.00	0.00	0.00	0.00
45	352	333	307	276	245	214	185	157	130	103	78.2	54.2	31.1	10.3	0.00	0.00	0.00	0.00
50	263	253	240	222	202	180	157	133	110	86.4	63.9	42.4	21.7	3.97	0.00	0.00	0.00	0.00
55	213	206	195	181	165	147	127	107	86.7	66.5	47.2	29.0	12.0	1.99	0.00	0.00	0.00	0.00
60	164	159	151	141	128	114	98.2	81.1	63.7	46.5	30.4	15.6	2.19	0.00	0.00	0.00	0.00	0.00
65	119	115	108	100	90.1	79.0	66.9	53.9	40.8	27.7	15.5	7.80	1.09	0.00	0.00	0.00	0.00	0.00
70	73.9	70.5	65.6	59.4	52.2	44.1	35.6	26.7	17.9	8.90	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	38.1	35.8	32.8	29.7	26.1	22.0	17.8	13.3	8.93	4.45	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	2.33	1.09	0.00	0.00	0.00	0.00	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

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:QC1
 Test Date:2023-12-27

$V(\beta)$ Range:-80 - 80DEG
 $V(\beta)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:61%
 Test Distance:8.300m [K=1.0000]
 Remarks: