

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

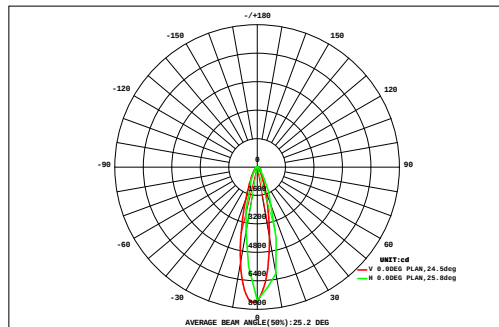
Maximum Intensity (Luminaire orientation as tested.)		3022.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	56.6V x 53.4H
	At 50% of Imax	25.7V x 24.5H
	At 90% of Imax	7.9V x 9.4H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	695.5 lumens per klm.
	To 50% of Imax	317.6 lumens per klm.
	To 90% of Imax	40.3 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:28.0DEG
Operators:QC1
Test Date:2024-04-26

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:220.3V I:0.2922A P:62.83W PF:0.9759 Lamp Flux:2514.22x1 lm		
NAME: 8.01.017.0069 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000062
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:40.02lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	7600	
NOMINAL POWER(W)	62	AVAILABILITY(%)	69.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1749
NOMINAL FLUX(lm)	2514.22	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2514
TEST VOLTAGE(V)	220.3	θ @50%(H,V)	25,26DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm				Φ t	Φ a
	45	0.77	0.98	1.22	1.47	1.74	2.02	2.25	2.42	2.49	2.46	2.32	2.11	1.87	1.61	1.36	1.13	0.92	0.73	29.9	0.00	
	40	0.88	1.12	1.40	1.72	2.06	2.42	2.73	2.95	3.04	2.99	2.81	2.52	2.20	1.87	1.57	1.29	1.04	0.82	35.4	0.00	
	35	1.00	1.32	1.72	2.23	2.83	3.53	4.23	4.79	5.05	4.89	4.39	3.72	3.04	2.43	1.92	1.50	1.18	0.91	50.7	0.00	
	30	1.12	1.50	2.00	2.65	3.45	4.40	5.39	6.20	6.56	6.33	5.61	4.66	3.71	2.89	2.23	1.70	1.30	1.00	62.7	21.4	
	25	1.22	1.71	2.41	3.45	5.01	7.29	10.2	13.0	14.3	13.4	10.7	7.81	5.45	3.80	2.71	1.97	1.45	1.08	107	80.9	
	20	1.33	1.91	2.77	4.12	6.26	9.50	13.8	17.9	19.9	18.5	14.6	10.2	6.84	4.56	3.13	2.21	1.59	1.16	140	117	
	15	1.40	2.05	3.09	4.89	8.26	14.4	23.8	34.0	39.3	36.1	26.6	16.5	9.63	5.74	3.63	2.44	1.70	1.21	235	214	
		1.48	2.20	3.41	5.64	10.0	18.4	31.7	46.4	54.1	49.5	35.9	21.5	11.9	6.78	4.10	2.68	1.82	1.27	309	290	
		1.47	2.19	3.38	5.55	9.81	18.0	31.5	46.5	54.6	50.3	36.6	22.0	12.1	6.75	4.07	2.66	1.82	1.28	311	292	
		1.49	2.23	3.46	5.74	10.3	19.1	34.0	50.7	60.0	55.4	40.2	24.0	13.0	7.08	4.21	2.73	1.86	1.30	337	318	
		1.39	2.03	3.02	4.70	7.67	13.0	21.1	30.2	35.4	33.2	25.1	16.1	9.57	5.76	3.67	2.48	1.73	1.24	217	197	
	-15	1.34	1.91	2.76	4.07	6.10	9.24	13.4	17.9	20.7	20.0	16.2	11.5	7.60	4.99	3.36	2.34	1.66	1.20	146	124	
	-20	1.20	1.66	2.33	3.29	4.71	6.78	9.47	12.2	13.9	13.3	10.9	8.04	5.62	3.92	2.79	2.03	1.48	1.10	105	78.0	
	-25	1.09	1.46	1.96	2.56	3.25	3.89	4.28	4.39	4.40	4.45	4.45	4.19	3.64	2.95	2.31	1.77	1.35	1.02	53.4	12.5	
	-30	0.98	1.30	1.71	2.20	2.82	3.54	4.29	4.92	5.26	5.16	4.66	3.95	3.22	2.56	1.99	1.55	1.21	0.93	52.2	4.37	
-35	0.87	1.13	1.42	1.73	2.05	2.34	2.56	2.65	2.68	2.67	2.63	2.50	2.28	1.98	1.62	1.32	1.07	0.85	34.3	0.00		
-40	0.75	0.98	1.24	1.51	1.82	2.12	2.38	2.55	2.64	2.61	2.47	2.26	2.00	1.72	1.44	1.18	0.95	0.75	31.4	0.00		
-45	0.64	0.83	1.02	1.21	1.41	1.58	1.68	1.73	1.75	1.73	1.69	1.61	1.50	1.36	1.20	1.00	0.83	0.66	23.4	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45		
Φ t	20.4	28.5	40.3	58.7	89.5	142	219	301	346	323	248	165	105	68.8	47.3	34.0	25.0	18.5	2280	---		
Φ a	0.00	0.00	0.00	15.4	59.1	115	192	277	324	300	221	138	76.4	30.3	0.00	0.00	0.00	0.00	---	1749		

one-half-peak spread: U:9.9,D:16.0 , L:12.0,R:12.7

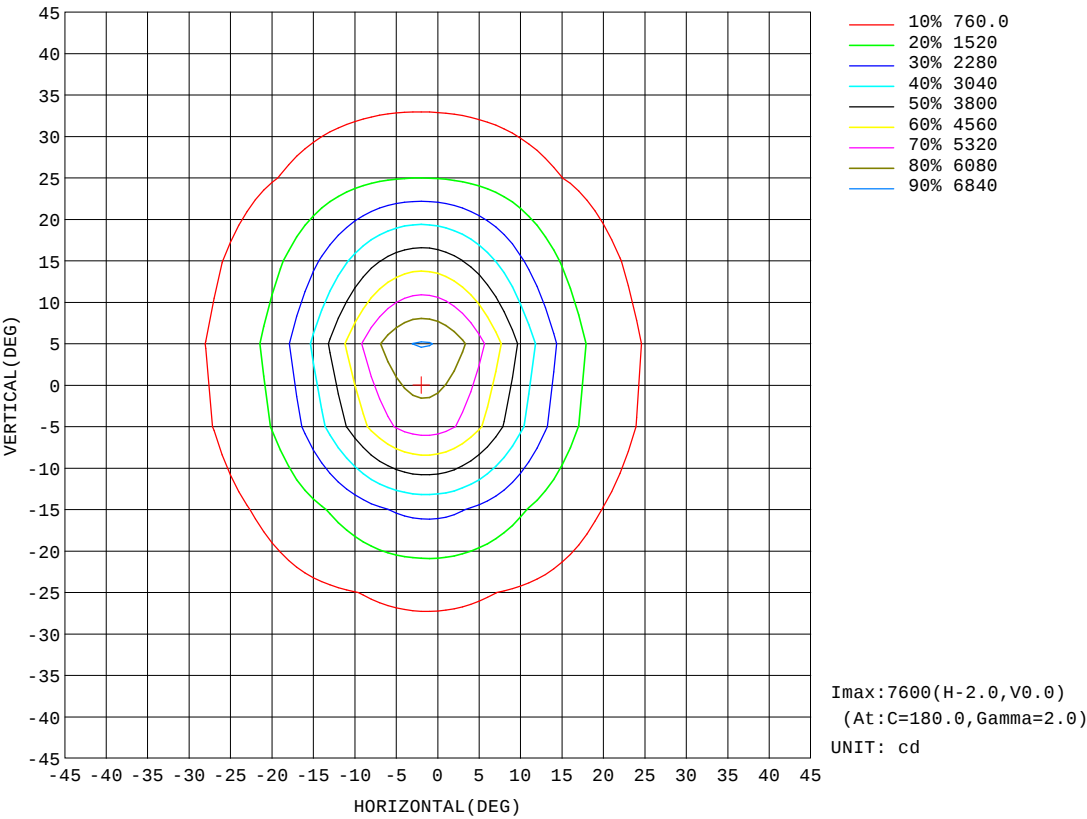
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-04-26

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:220.3V I:0.2922A P:62.83W PF:0.9759 Lamp Flux:2514.22x1 lm		
NAME: 8.01.017.0069 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000062
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

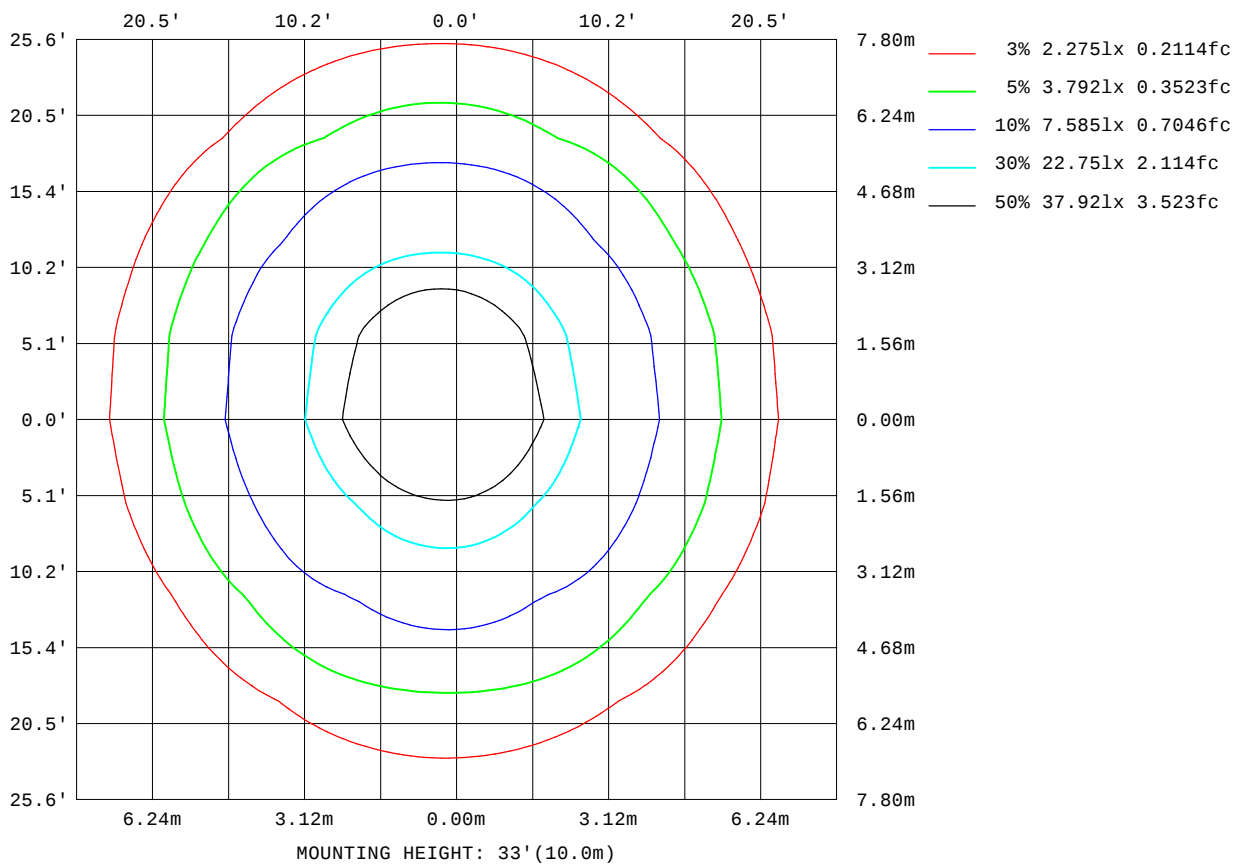


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-04-26

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:

ISOLUX DIAGRAM

Test:U:220.3V I:0.2922A P:62.83W PF:0.9759 Lamp Flux:2514.22x1 lm		
NAME: 8.01.017.0069 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000062
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

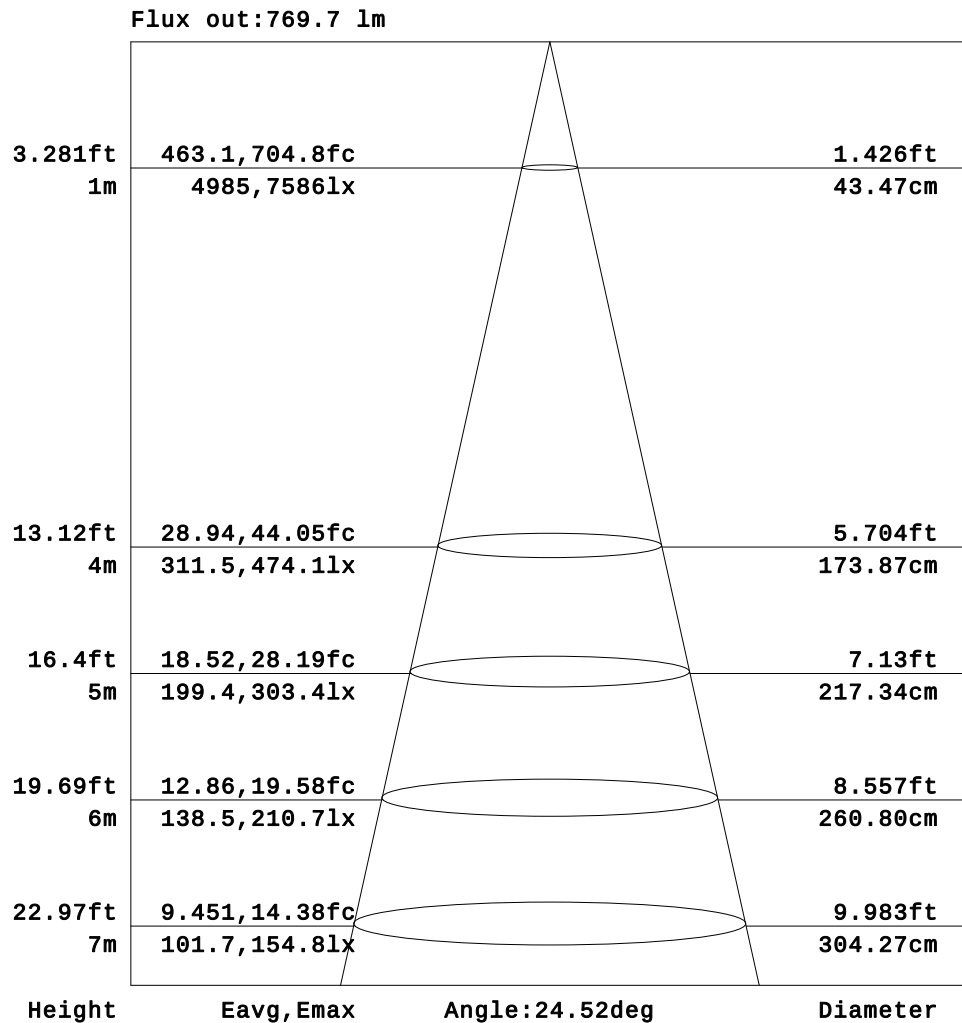


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-04-26

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:220.3V I:0.2922A P:62.83W PF:0.9759 Lamp Flux:2514.22x1 lm		
NAME: 8.01.017.0069 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000062
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

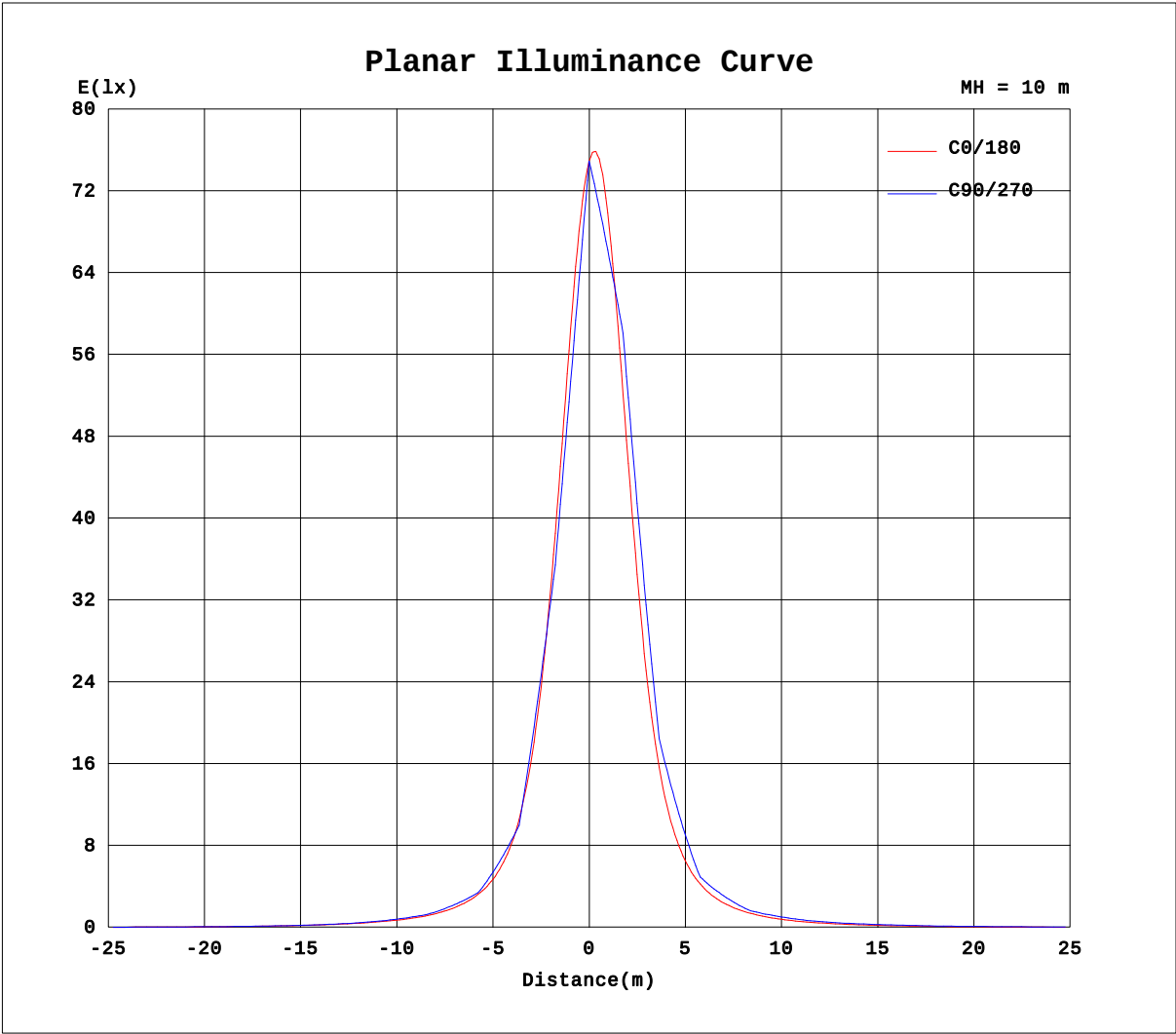


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-04-26

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:2024-04-26

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2922A P:62.83W PF:0.9759 Lamp Flux:2514.22x1 lm		
NAME: 8.01.017.0069 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000062
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	0.00	1.85	4.52	7.11	9.85	12.1	13.9	15.2	16.2	16.6	16.6
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.71	9.05	14.2	19.7	24.1	27.7	30.5	32.3	33.2	33.2
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.83	6.47	13.3	22.1	31.1	38.3	46.3	52.7	57.9	61.9	64.4	65.8	66.0
-60	0.00	0.00	0.00	0.00	0.00	0.00	1.65	12.9	26.6	40.6	53.1	62.3	72.9	81.2	88.1	93.3	96.6	98.3	98.7
-55	0.00	0.00	0.00	0.00	0.00	3.03	11.4	26.7	43.7	59.7	74.2	88.6	102	113	122	128	133	135	136
-50	0.00	0.00	0.00	0.00	0.00	6.06	21.2	40.4	60.9	78.7	95.4	115	131	144	155	164	169	173	173
-45	0.00	0.00	0.00	0.00	2.01	13.8	32.5	55.1	76.4	96.2	116	139	160	179	199	214	224	230	230
-40	0.00	0.00	0.00	0.00	4.01	21.6	43.9	69.8	91.9	114	137	163	189	215	243	265	279	287	288
-35	0.00	0.00	0.00	0.00	9.69	32.3	55.5	81.2	104	131	160	192	227	266	309	350	381	401	405
-30	0.00	0.00	0.00	0.00	15.4	42.9	67.2	92.6	117	147	182	221	266	317	375	434	483	515	522
-25	0.00	0.00	0.00	2.25	22.6	49.4	74.7	103	131	165	205	257	322	405	510	631	751	842	863
-20	0.00	0.00	0.00	4.51	29.8	55.8	82.3	113	145	182	228	293	378	493	645	828	1019	1168	1205
-15	0.00	0.00	0.00	6.78	31.8	59.3	87.6	119	154	197	254	336	456	640	928	1361	1894	2346	2456
-10	0.00	0.00	0.00	9.05	33.7	62.8	92.9	125	164	212	279	379	534	788	1211	1893	2768	3523	3708
-5	0.00	0.00	0.00	10.7	36.0	65.2	95.5	128	168	219	294	407	595	929	1549	2645	4114	5369	5600
0	0.00	0.00	0.00	12.4	38.3	67.5	98.1	132	171	225	308	435	655	1070	1888	3396	5460	7214	7493
5	0.00	0.00	0.00	11.9	37.6	66.6	97.1	130	170	223	303	425	636	1028	1793	3160	5015	6563	6788
10	0.00	0.00	0.00	11.4	36.9	65.7	96.1	129	170	221	298	416	617	987	1698	2924	4571	5912	6083
15	0.00	0.00	0.00	10.3	35.3	63.5	93.2	125	163	210	278	381	544	825	1329	2149	3208	4055	4155
20	0.00	0.00	0.00	9.18	33.6	61.3	90.4	121	156	200	258	346	471	664	960	1373	1846	2198	2227
25	0.00	0.00	0.00	6.63	29.7	56.3	84.4	114	146	185	234	302	397	533	727	985	1269	1476	1493
30	0.00	0.00	0.00	4.08	25.9	51.3	78.3	106	136	170	210	259	323	401	494	597	692	754	759
35	0.00	0.00	0.00	2.04	21.2	44.7	70.2	96.1	123	152	185	224	271	327	391	459	519	558	561
40	0.00	0.00	0.00	0.00	16.5	38.2	62.0	85.9	110	134	160	188	220	253	287	321	347	362	363
45	0.00	0.00	0.00	0.00	10.5	29.7	51.3	73.2	95.0	117	139	162	187	213	237	261	279	289	291
50	0.00	0.00	0.00	0.00	4.60	21.2	40.6	60.4	80.2	99.4	118	136	155	172	188	201	211	217	218
55	0.00	0.00	0.00	0.00	2.30	13.0	29.5	46.6	63.9	80.8	97.1	113	129	143	155	165	173	177	179
60	0.00	0.00	0.00	0.00	0.00	4.77	18.4	32.8	47.5	62.3	76.3	90.2	103	113	122	129	134	137	139
65	0.00	0.00	0.00	0.00	0.00	2.39	9.21	18.9	30.5	42.4	53.5	64.4	74.1	82.5	89.5	95.4	99.8	103	104
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.96	13.6	22.5	30.7	38.5	45.7	52.0	57.5	62.1	65.6	67.9	68.8
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	6.79	11.2	15.4	19.3	22.8	26.0	29.8	33.1	35.5	37.2	37.9
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	0.04	2.17	4.01	5.50	6.52	7.03
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:28.0DEG
Operators:QC1
Test Date:2024-04-26

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2922A P:62.83W PF:0.9759 Lamp Flux:2514.22x1 lm		
NAME: 8.01.017.0069 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000062
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	16.3	15.5	14.2	12.7	10.3	6.82	5.69	3.68	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	32.5	30.9	28.5	25.3	20.6	13.6	11.4	7.35	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	65.0	62.8	59.5	55.2	49.4	41.9	36.2	27.8	18.6	13.4	7.46	1.43	0.00	0.00	0.00	0.00	0.00	0.00
-60	97.4	94.7	90.6	85.1	78.2	70.2	61.1	48.2	35.6	26.8	14.9	2.86	0.00	0.00	0.00	0.00	0.00	0.00
-55	134	130	125	117	109	98.4	87.1	73.2	57.9	44.6	29.3	12.6	4.15	0.00	0.00	0.00	0.00	0.00
-50	171	166	159	150	139	127	113	98.2	80.2	62.3	43.8	22.3	8.31	0.00	0.00	0.00	0.00	0.00
-45	226	217	205	190	173	154	136	118	97.4	77.0	57.0	35.8	16.5	2.70	0.00	0.00	0.00	0.00
-40	281	269	251	230	208	182	158	137	114	91.7	70.3	49.3	24.6	5.41	0.00	0.00	0.00	0.00
-35	392	364	329	290	251	213	181	155	130	105	81.7	58.4	33.8	11.5	0.00	0.00	0.00	0.00
-30	502	460	406	350	294	244	204	173	145	119	93.1	67.6	43.1	17.5	0.00	0.00	0.00	0.00
-25	804	691	566	454	361	289	233	191	157	128	101	74.4	48.7	22.9	2.06	0.00	0.00	0.00
-20	1107	922	725	557	428	333	262	209	170	137	108	81.2	54.3	28.3	4.13	0.00	0.00	0.00
-15	2137	1603	1101	748	525	385	292	227	181	145	115	86.7	58.7	31.4	6.62	0.00	0.00	0.00
-10	3167	2283	1477	938	622	437	323	245	192	154	122	92.2	63.0	34.6	9.11	0.00	0.00	0.00
-5	4653	3159	1887	1105	691	468	338	253	197	157	123	93.3	63.9	35.4	9.57	0.00	0.00	0.00
0	6140	4035	2296	1272	760	498	353	262	202	160	125	94.4	64.9	36.3	10.0	0.00	0.00	0.00
5	5556	3662	2118	1200	730	485	346	257	199	157	124	93.7	64.4	35.9	9.87	0.00	0.00	0.00
10	4973	3288	1939	1129	700	471	338	251	195	155	123	92.9	63.8	35.5	9.72	0.00	0.00	0.00
15	3441	2362	1475	917	601	422	312	237	187	149	118	89.0	60.7	33.1	8.14	0.00	0.00	0.00
20	1909	1437	1010	704	502	372	285	223	178	143	113	85.2	57.5	30.7	6.55	0.00	0.00	0.00
25	1307	1026	762	562	421	324	255	205	166	135	107	79.8	53.2	27.5	4.63	0.00	0.00	0.00
30	706	615	513	419	341	275	225	186	154	127	101	74.5	48.8	24.3	2.70	0.00	0.00	0.00
35	528	471	405	341	286	239	200	168	140	115	90.9	66.3	42.2	19.4	1.35	0.00	0.00	0.00
40	351	327	296	264	232	202	175	150	126	104	81.3	58.1	35.6	14.5	0.00	0.00	0.00	0.00
45	283	267	246	223	198	175	153	132	111	90.1	69.3	48.4	28.1	9.29	0.00	0.00	0.00	0.00
50	215	207	196	181	165	148	132	114	95.1	76.2	57.4	38.7	20.6	4.08	0.00	0.00	0.00	0.00
55	176	171	163	152	139	125	109	93.6	76.9	60.4	43.7	27.4	12.1	2.04	0.00	0.00	0.00	0.00
60	138	135	130	122	113	101	87.4	73.4	58.8	44.6	30.1	16.1	3.63	0.00	0.00	0.00	0.00	0.00
65	103	101	96.5	90.4	82.8	73.4	63.0	51.9	39.9	28.4	16.8	8.06	1.81	0.00	0.00	0.00	0.00	0.00
70	68.4	66.6	63.3	58.5	52.7	46.1	38.6	30.4	21.1	12.1	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	37.7	36.4	34.0	30.7	26.6	23.0	19.3	15.2	10.5	6.06	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	6.94	6.16	4.74	2.79	0.39	0.00	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:2024-04-26

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: