

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

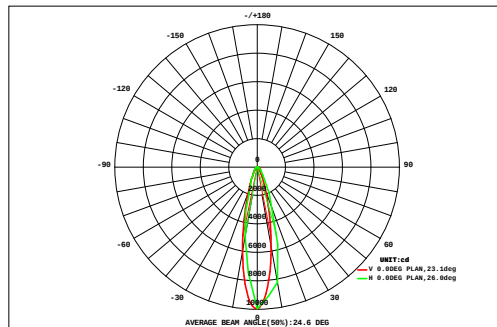
Maximum Intensity (Luminaire orientation as tested.)		3193.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	55.3V x 49.9H
	At 50% of Imax	26.0V x 23.1H
	At 90% of Imax	8.5V x 8.5H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	689.6 lumens per klm.
	To 50% of Imax	317.8 lumens per klm.
	To 90% of Imax	39.9 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:119.8V I:0.5466A P:64.98W PF:0.9925 Lamp Flux:3114.7x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120034
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:47.94lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	9948	
NOMINAL POWER(W)	64	AVAILABILITY(%)	69.1
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	2153
NOMINAL FLUX(lm)	3114.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3115
TEST VOLTAGE(V)	119.8	θ @50%(H,V)	23,26DEG

		AREA FLUX DIAGRAM														UNIT:lm				Φ t	Φ a
		0.94	1.19	1.46	1.77	2.10	2.44	2.74	2.98	3.11	3.10	2.95	2.69	2.37	2.03	1.70	1.40	1.13	0.89	37.0	0.00
VERTICAL (DEG)	45	1.07	1.35	1.66	2.03	2.46	2.90	3.31	3.64	3.81	3.80	3.59	3.24	2.81	2.38	1.96	1.60	1.29	1.01	43.9	0.00
	40	1.17	1.52	1.98	2.57	3.31	4.20	5.14	6.01	6.54	6.50	5.93	5.03	4.07	3.20	2.47	1.90	1.45	1.11	64.1	0.00
	35	1.29	1.70	2.26	3.01	4.00	5.22	6.55	7.81	8.59	8.54	7.70	6.41	5.05	3.86	2.89	2.16	1.61	1.21	79.8	27.5
	30	1.37	1.89	2.64	3.75	5.47	8.12	11.8	15.9	18.7	18.5	15.3	11.2	7.65	5.17	3.55	2.50	1.80	1.31	137	103
	25	1.47	2.07	2.98	4.39	6.68	10.4	15.7	21.9	26.2	25.8	21.0	14.8	9.70	6.26	4.13	2.82	1.98	1.42	180	150
	20	1.52	2.16	3.18	4.95	8.25	14.6	25.4	39.6	50.9	50.2	38.3	24.3	13.8	7.83	4.74	3.07	2.09	1.47	296	270
	15	1.58	2.28	3.43	5.54	9.70	18.2	33.1	53.4	69.9	68.9	51.7	31.9	17.2	9.23	5.33	3.34	2.23	1.53	388	363
	10	1.56	2.25	3.36	5.39	9.45	17.9	33.3	53.7	69.9	68.7	51.5	31.4	16.8	8.91	5.12	3.23	2.18	1.52	386	361
	5	1.57	2.26	3.39	5.48	9.76	18.9	36.0	58.5	76.2	74.8	55.8	33.6	17.7	9.17	5.18	3.25	2.18	1.53	415	390
	0	1.49	2.09	3.02	4.61	7.52	13.3	23.0	35.7	45.5	45.0	34.8	22.1	12.7	7.25	4.46	2.95	2.04	1.45	269	241
	-5	1.45	1.99	2.79	4.05	6.13	9.79	15.2	22.0	27.1	27.3	22.2	15.1	9.62	6.06	4.00	2.75	1.95	1.40	181	150
	-10	1.33	1.80	2.46	3.41	4.85	7.12	10.4	14.3	17.1	17.1	14.1	10.2	6.94	4.72	3.32	2.40	1.77	1.31	125	89.2
	-15	1.24	1.65	2.16	2.80	3.54	4.19	4.60	4.56	4.48	4.50	4.59	4.60	4.13	3.42	2.72	2.10	1.61	1.23	58.1	7.75
	-20	1.14	1.48	1.90	2.44	3.07	3.84	4.68	5.48	6.00	6.00	5.46	4.64	3.78	3.02	2.39	1.87	1.46	1.13	59.8	0.00
	-25	1.05	1.32	1.63	1.99	2.33	2.62	2.80	2.85	2.86	2.86	2.86	2.80	2.60	2.31	1.97	1.61	1.31	1.04	38.8	0.00
	-30	0.94	1.18	1.46	1.76	2.08	2.38	2.66	2.87	2.99	2.98	2.85	2.62	2.34	2.04	1.75	1.45	1.18	0.94	36.5	0.00
-35	0.83	1.04	1.26	1.46	1.66	1.81	1.94	2.01	2.03	2.02	1.97	1.89	1.77	1.63	1.46	1.26	1.05	0.84	27.9	0.00	
-40	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45	
-45	Φ t	23.0	31.2	43.0	61.4	92.4	148	238	353	442	436	342	228	141	88.5	59.2	41.7	30.3	22.3	2823	---
	Φ a	0.00	0.00	0.00	0.56	44.8	113	204	322	412	406	311	195	105	39.5	0.00	0.00	0.00	0.00	---	2153

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

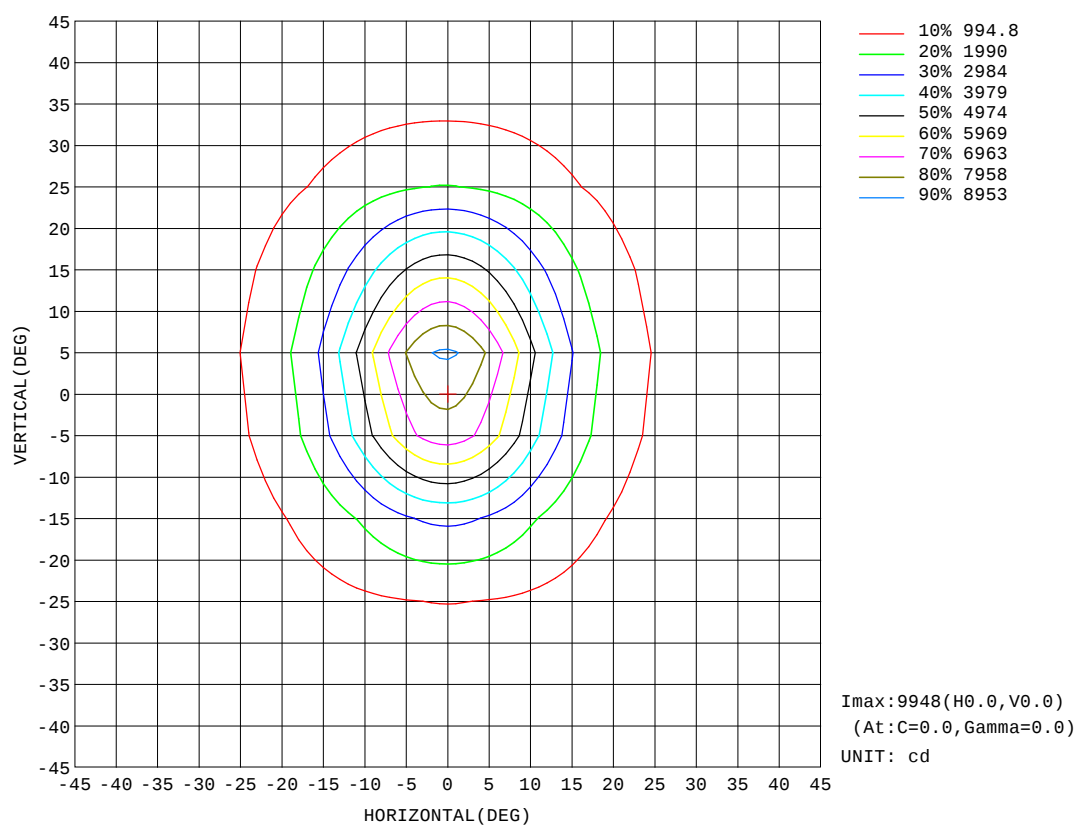
NEMA Beam Type: Type 4

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:119.8V I:0.5466A P:64.98W PF:0.9925 Lamp Flux:3114.7x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120034
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

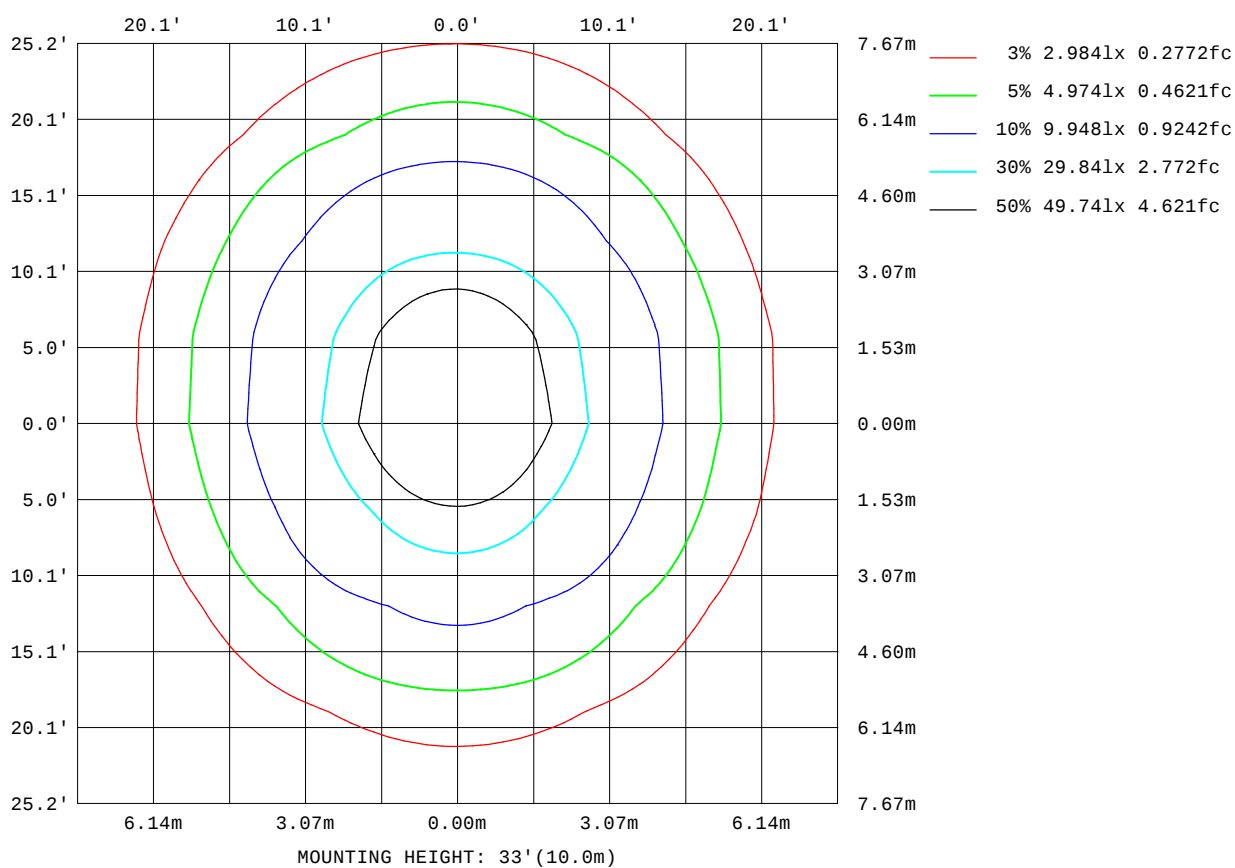


H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators: QC1
Test Date: 2023-12-27

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:119.8V I:0.5466A P:64.98W PF:0.9925 Lamp Flux:3114.7x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120034
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

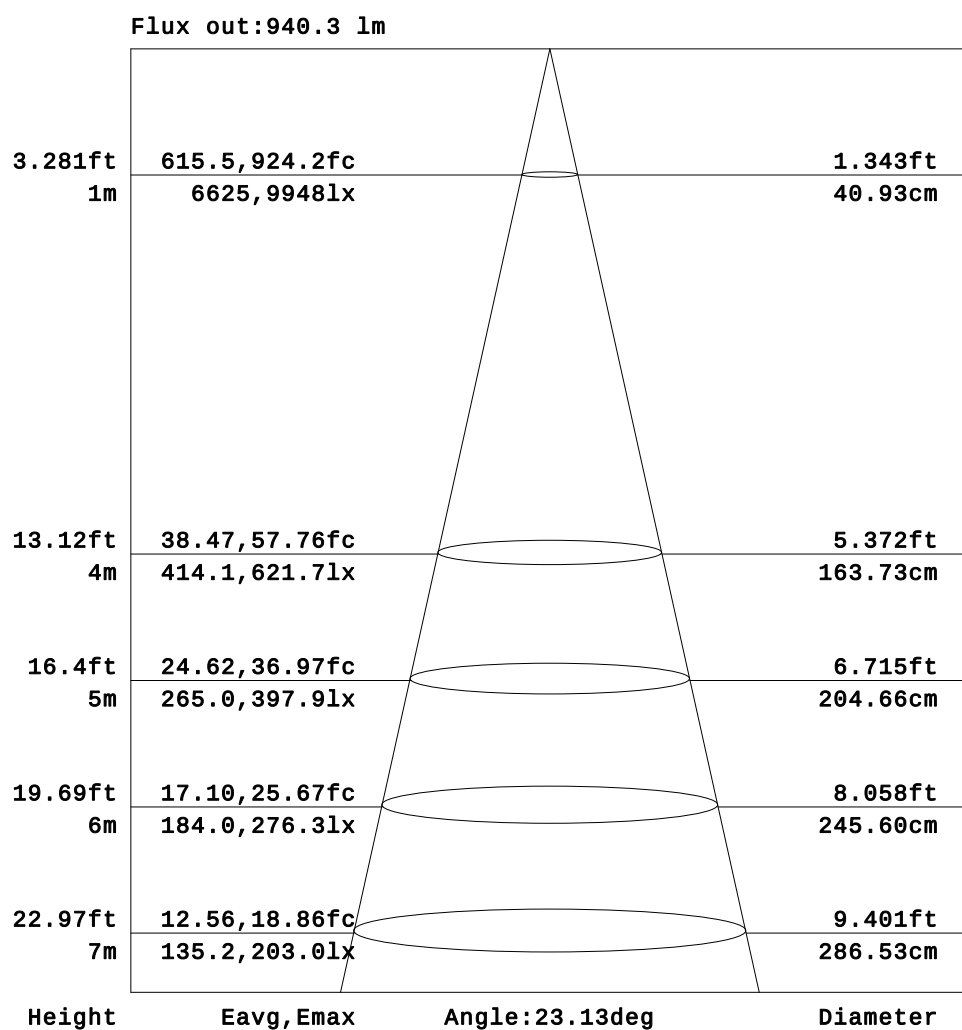


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-27

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:119.8V I:0.5466A P:64.98W PF:0.9925 Lamp Flux:3114.7x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120034
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

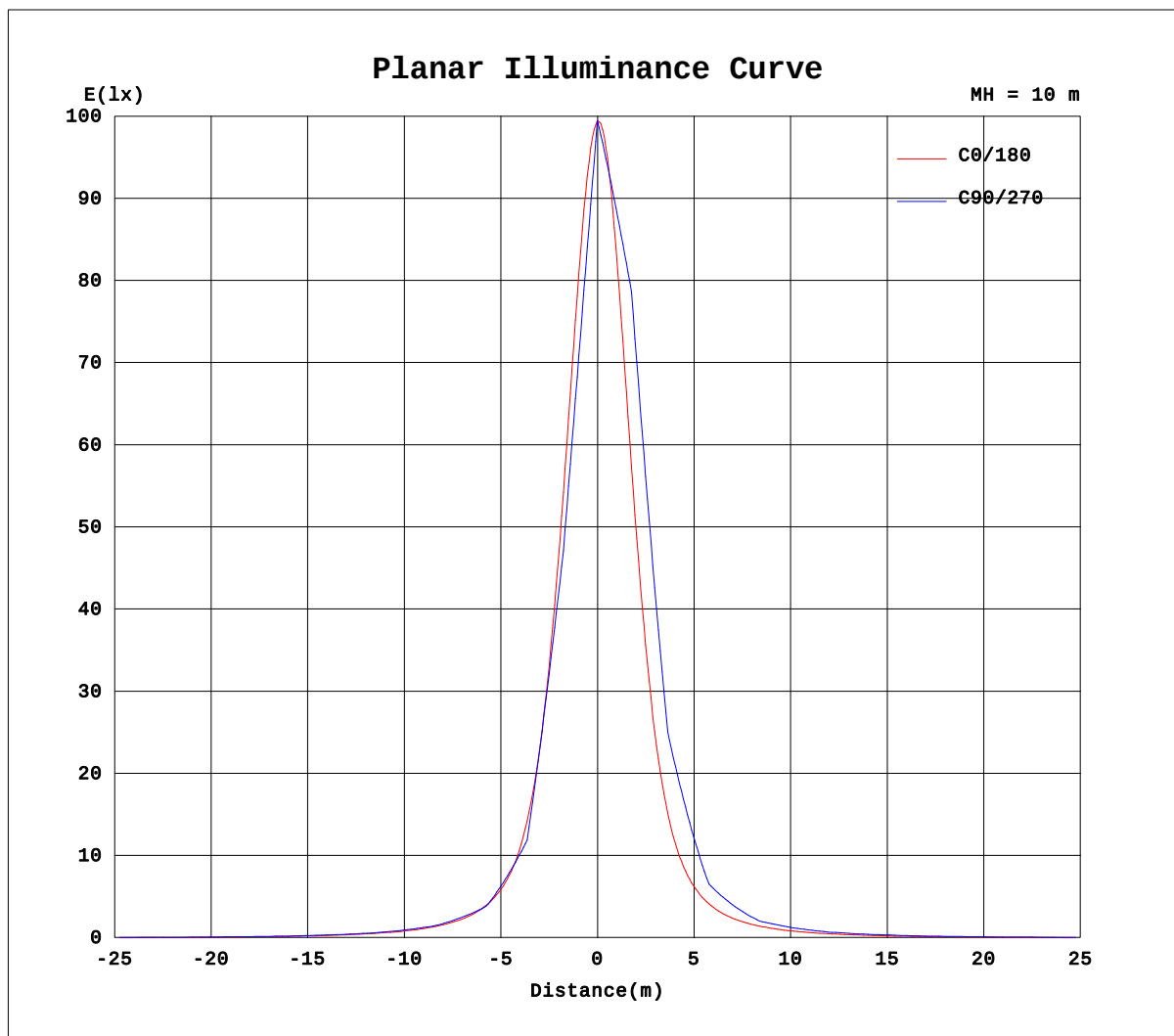


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.8V I:0.5466A P:64.98W PF:0.9925 Lamp Flux:3114.7x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120034
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	0.90	1.51
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.68	7.20	10.6	14.2	17.8	19.8	24.4	27.1	29.1	31.0	31.8
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.36	14.4	21.3	28.4	35.6	39.5	48.9	54.1	58.3	61.1	62.1
-65	0.00	0.00	0.00	0.00	0.00	0.00	5.64	13.2	24.7	37.3	45.8	55.9	67.6	74.6	83.6	89.9	94.8	98.0	99.0
-60	0.00	0.00	0.00	0.00	0.00	0.00	11.3	26.5	44.1	60.3	70.3	83.3	99.6	110	118	126	131	135	136
-55	0.00	0.00	0.00	0.00	0.01	7.75	23.4	41.8	62.3	80.4	98.7	115	131	143	153	162	168	173	174
-50	0.00	0.00	0.00	0.00	0.03	15.5	35.4	57.1	80.4	101	127	146	162	175	187	198	205	210	212
-45	0.00	0.00	0.00	0.00	5.93	24.8	46.7	73.1	99.9	123	149	172	193	214	232	249	261	269	271
-40	0.00	0.00	0.00	0.00	11.8	34.1	58.0	89.1	119	145	171	197	225	253	277	301	317	328	331
-35	0.00	0.00	0.00	0.87	17.9	44.5	72.3	103	133	162	192	225	262	305	345	388	423	450	459
-30	0.00	0.00	0.00	1.73	24.0	54.9	86.7	118	147	178	213	252	299	356	413	475	529	571	587
-25	0.00	0.00	0.00	6.76	32.0	64.1	95.7	127	158	193	234	286	353	439	547	681	831	959	1012
-20	0.00	0.00	0.00	11.8	40.0	73.3	105	136	169	207	254	319	406	522	680	887	1133	1347	1438
-15	0.00	0.00	0.00	14.7	43.9	77.1	109	142	178	219	275	353	469	649	950	1450	2155	2876	3186
-10	0.00	0.00	0.00	17.6	47.9	80.8	114	148	186	232	295	387	532	775	1220	2014	3178	4405	4935
-5	0.00	0.00	0.00	18.6	49.4	82.9	116	151	189	237	307	412	585	899	1523	2741	4591	6576	7441
0	0.00	0.00	0.00	19.7	50.9	84.9	119	153	192	243	320	437	638	1023	1826	3468	6004	8748	9948
5	0.00	0.00	0.00	18.7	49.6	83.2	117	153	192	242	317	433	630	999	1750	3224	5507	7991	9091
10	0.00	0.00	0.00	17.8	48.2	81.6	115	152	191	241	315	429	621	974	1674	2980	5010	7234	8235
15	0.00	0.00	0.00	16.3	45.9	78.6	112	148	186	233	300	402	566	844	1359	2258	3594	5007	5627
20	0.00	0.00	0.00	14.8	43.6	75.6	109	144	181	225	285	375	511	714	1043	1536	2178	2781	3018
25	0.00	0.00	0.00	11.8	38.9	69.4	102	135	172	212	263	335	440	588	812	1126	1517	1873	2012
30	0.00	0.00	0.00	8.74	34.3	63.1	94.3	127	163	199	240	295	368	462	581	716	855	966	1006
35	0.00	0.00	0.00	5.24	28.5	55.3	84.6	116	149	181	217	260	315	383	464	552	640	708	731
40	0.00	0.00	0.00	1.74	22.7	47.4	74.8	105	134	164	194	226	261	304	346	388	425	449	457
45	0.00	0.00	0.00	0.87	15.6	37.5	61.9	88.9	116	143	170	197	227	258	289	318	342	359	364
50	0.00	0.00	0.00	0.00	8.54	27.5	48.9	73.2	97.3	121	145	168	192	213	232	248	260	268	270
55	0.00	0.00	0.00	0.00	4.27	17.3	35.3	55.9	76.7	97.5	118	138	157	175	190	203	212	218	220
60	0.00	0.00	0.00	0.00	0.00	7.12	21.6	38.6	56.1	73.8	91.2	108	123	136	148	157	164	168	170
65	0.00	0.00	0.00	0.00	0.00	3.56	10.8	21.7	35.1	48.5	61.8	74.5	86.4	97.1	106	114	119	123	124
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.85	14.2	23.2	32.3	41.4	49.9	57.8	64.6	70.3	74.6	77.3	78.1
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	7.08	11.6	16.2	20.7	25.0	28.9	32.3	35.8	38.7	40.5	41.0
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	1.23	2.72	3.67	3.96
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: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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.8V I:0.5466A P:64.98W PF:0.9925 Lamp Flux:3114.7x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM-W	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120034
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	0.70	0.00	0.00	0.00	0.00	0.00	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	30.7	28.8	26.7	24.2	21.3	18.2	14.8	11.2	7.40	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	60.7	57.6	53.4	48.3	42.6	36.3	29.6	22.3	14.8	7.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	97.4	93.6	88.5	82.3	75.1	67.0	58.0	48.1	37.6	26.6	14.8	6.67	0.79	0.00	0.00	0.00	0.00	0.00
-60	134	130	124	116	108	97.7	86.4	73.9	60.4	46.2	29.6	13.3	1.59	0.00	0.00	0.00	0.00	0.00
-55	171	166	159	150	140	128	115	100.0	83.8	66.0	47.1	26.9	10.3	1.47	0.00	0.00	0.00	0.00
-50	209	203	194	184	172	159	143	126	107	85.9	64.6	40.5	19.0	2.93	0.00	0.00	0.00	0.00
-45	267	257	244	228	211	192	170	149	126	102	78.5	53.5	28.5	8.12	0.00	0.00	0.00	0.00
-40	325	312	294	272	249	225	198	171	144	118	92.4	66.5	38.0	13.3	0.00	0.00	0.00	0.00
-35	448	420	381	341	299	260	224	191	160	132	104	76.9	48.0	20.9	1.49	0.00	0.00	0.00
-30	571	529	469	409	350	296	249	210	176	145	116	87.4	58.1	28.5	2.97	0.00	0.00	0.00
-25	957	825	670	535	428	345	281	231	190	155	124	93.8	63.7	33.4	6.83	0.00	0.00	0.00
-20	1344	1121	871	661	506	394	312	251	204	166	131	100	69.2	38.4	10.7	0.00	0.00	0.00
-15	2856	2116	1415	925	631	457	346	269	214	173	137	105	73.5	41.8	13.1	0.00	0.00	0.00
-10	4368	3112	1959	1188	756	520	380	286	225	180	144	111	77.8	45.3	15.5	0.00	0.00	0.00
-5	6415	4394	2592	1452	860	564	400	298	231	184	146	112	78.8	46.0	15.8	0.00	0.00	0.00
0	8462	5676	3225	1715	963	609	421	310	237	187	148	113	79.8	46.6	16.2	0.00	0.00	0.00
5	7760	5255	3025	1647	948	604	419	309	235	186	147	112	79.0	46.1	15.8	0.00	0.00	0.00
10	7057	4834	2825	1579	932	600	417	308	234	184	146	112	78.2	45.5	15.5	0.00	0.00	0.00
15	4880	3454	2136	1278	802	540	387	291	225	179	141	107	74.2	42.3	13.4	0.00	0.00	0.00
20	2704	2075	1446	977	673	481	358	273	216	173	136	103	70.3	39.1	11.3	0.00	0.00	0.00
25	1830	1457	1072	769	559	417	319	251	201	163	128	96.2	64.8	35.0	8.69	0.00	0.00	0.00
30	956	840	697	562	445	354	280	228	187	153	121	89.6	59.3	30.9	6.05	0.00	0.00	0.00
35	701	629	538	448	369	303	248	206	171	138	108	79.1	50.9	24.7	3.03	0.00	0.00	0.00
40	446	418	379	335	292	252	216	184	154	124	96.0	68.5	42.5	18.4	0.02	0.00	0.00	0.00
45	356	338	311	281	249	218	188	160	134	107	81.2	56.6	33.1	11.9	0.01	0.00	0.00	0.00
50	267	257	244	226	205	183	160	136	113	89.3	66.4	44.6	23.6	5.42	0.00	0.00	0.00	0.00
55	217	210	199	185	168	150	131	110	89.5	69.3	49.7	31.1	13.7	2.71	0.00	0.00	0.00	0.00
60	168	163	155	144	132	117	101	83.8	66.3	49.3	32.9	17.5	3.73	0.00	0.00	0.00	0.00	0.00
65	122	118	112	103	93.2	82.0	69.6	56.4	43.0	30.0	17.5	8.76	1.87	0.00	0.00	0.00	0.00	0.00
70	76.7	73.4	68.5	62.2	54.8	46.7	37.9	28.9	19.8	10.6	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	40.1	37.8	34.4	31.1	27.4	23.3	19.0	14.4	9.89	5.31	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	3.41	2.16	0.36	0.00	0.00	0.00	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: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: