

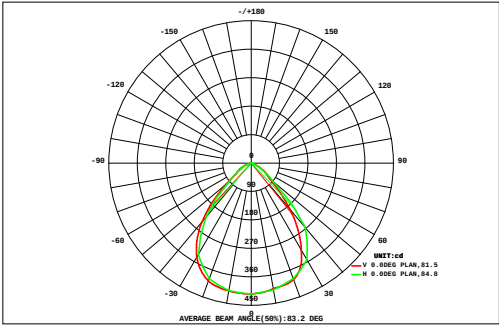
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		558.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	118.5V x 121.5H
	At 50% of Imax	84.8V x 81.5H
	At 90% of Imax	47.9V x 49.7H
Beam Flux	Total	999.3 lumens per klm.
	To 10% of Imax	961.3 lumens per klm.
	To 50% of Imax	752.3 lumens per klm.
	To 90% of Imax	323.3 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.0657A P:7.716W PF:1.000 Freq:50.00Hz Lamp Flux:740.885x1 lm		
NAME: 8.02.038.0045 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:96.02lm/W	
MODEL LLS-WZB-W40-L3-DIM		Imax(cd)	413.7
NOMINAL POWER(W)	7	AVAILABILITY(%)	96.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	712.3
NOMINAL FLUX(lm)	740.885	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	740.9
TEST VOLTAGE(V)	220	θ @50%(H,V)	81,85DEG

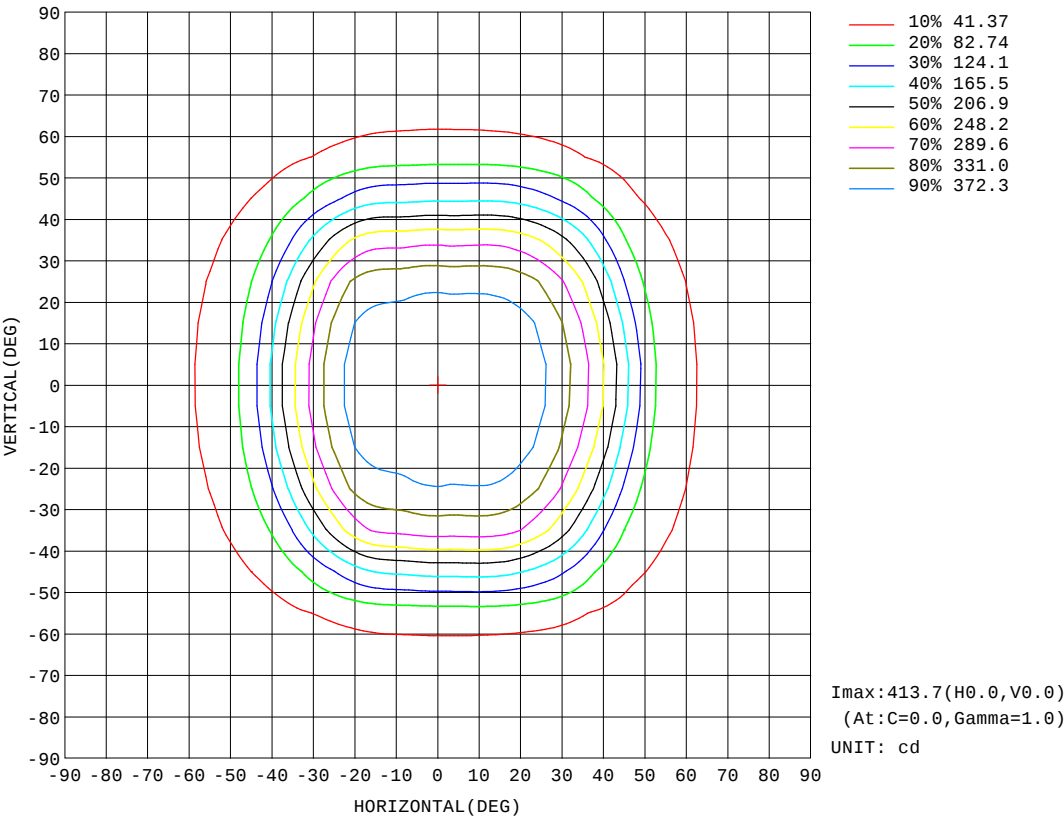
AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.02	0.12	0.19	0.21	0.21	0.19	0.15	0.10	0.02	0.00	0.00	0.00	0.00	1.20	0.00
70	0.00	0.00	0.00	0.00	0.07	0.26	0.58	0.78	0.86	0.86	0.77	0.63	0.44	0.19	0.05	0.00	0.00	0.00	5.49	0.00
60	0.00	0.00	0.00	0.06	0.41	0.88	1.31	1.69	1.86	1.88	1.76	1.44	1.00	0.62	0.25	0.03	0.00	0.00	13.2	8.99
50	0.00	0.00	0.01	0.31	0.92	1.74	3.02	4.11	4.44	4.50	4.32	3.50	2.22	1.09	0.54	0.12	0.00	0.00	30.8	29.3
40	0.00	0.00	0.06	0.61	1.41	3.24	6.06	7.98	8.46	8.49	8.16	6.72	4.28	1.84	0.76	0.26	0.00	0.00	58.3	57.4
30	0.00	0.00	0.14	0.81	1.91	4.78	8.47	10.6	11.2	11.2	10.7	9.09	6.11	2.71	0.95	0.36	0.01	0.00	79.0	78.3
20	0.00	0.00	0.21	0.94	2.33	5.72	9.47	11.4	12.1	12.2	11.6	10.0	7.03	3.39	1.11	0.42	0.03	0.00	88.1	87.4
10	0.00	0.00	0.24	0.98	2.58	6.21	9.86	11.7	12.4	12.5	11.9	10.4	7.50	3.84	1.21	0.44	0.04	0.00	91.7	91.1
0	0.00	0.00	0.24	0.98	2.61	6.22	9.86	11.7	12.3	12.5	11.9	10.3	7.46	3.78	1.19	0.44	0.03	0.00	91.5	90.9
-10	0.00	0.00	0.20	0.92	2.35	5.72	9.40	11.4	12.0	12.1	11.6	9.92	6.82	3.25	1.07	0.41	0.03	0.00	87.1	86.4
-20	0.00	0.00	0.13	0.80	1.94	4.71	8.33	10.6	11.2	11.3	10.8	8.94	5.79	2.53	0.93	0.36	0.01	0.00	78.3	77.6
-30	0.00	0.00	0.05	0.58	1.45	3.37	6.47	8.78	9.48	9.57	9.10	7.18	4.30	1.77	0.77	0.27	0.00	0.00	63.1	62.2
-40	0.00	0.00	0.01	0.29	0.94	1.91	3.61	5.15	5.67	5.78	5.45	4.23	2.44	1.09	0.57	0.14	0.00	0.00	37.3	35.9
-50	0.00	0.00	0.00	0.05	0.40	0.82	1.10	1.33	1.45	1.50	1.44	1.26	0.92	0.65	0.31	0.03	0.00	0.00	11.2	6.74
-60	0.00	0.00	0.00	0.00	0.03	0.23	0.44	0.56	0.59	0.56	0.49	0.41	0.35	0.23	0.05	0.00	0.00	0.00	3.95	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.09	0.09	0.08	0.07	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.44	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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	0.00	0.00	1.29	7.33	19.4	45.8	78.1	98.0	104	105	100	84.3	56.8	27.0	9.77	3.27	0.16	0.00	741	---
Φ a	0.00	0.00	0.03	5.19	17.8	44.1	76.0	95.8	102	103	98.2	82.2	54.8	25.0	7.50	0.47	0.00	0.00	---	712

one-half-peak spread: U:43.7,D:41.4 , L:39.0,R:38.8 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:2024-12-04
 V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.7V I:0.0657A P:7.716W PF:1.000 Freq:50.00Hz Lamp Flux:740.885x1 lm		
NAME: 8.02.038.0045 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

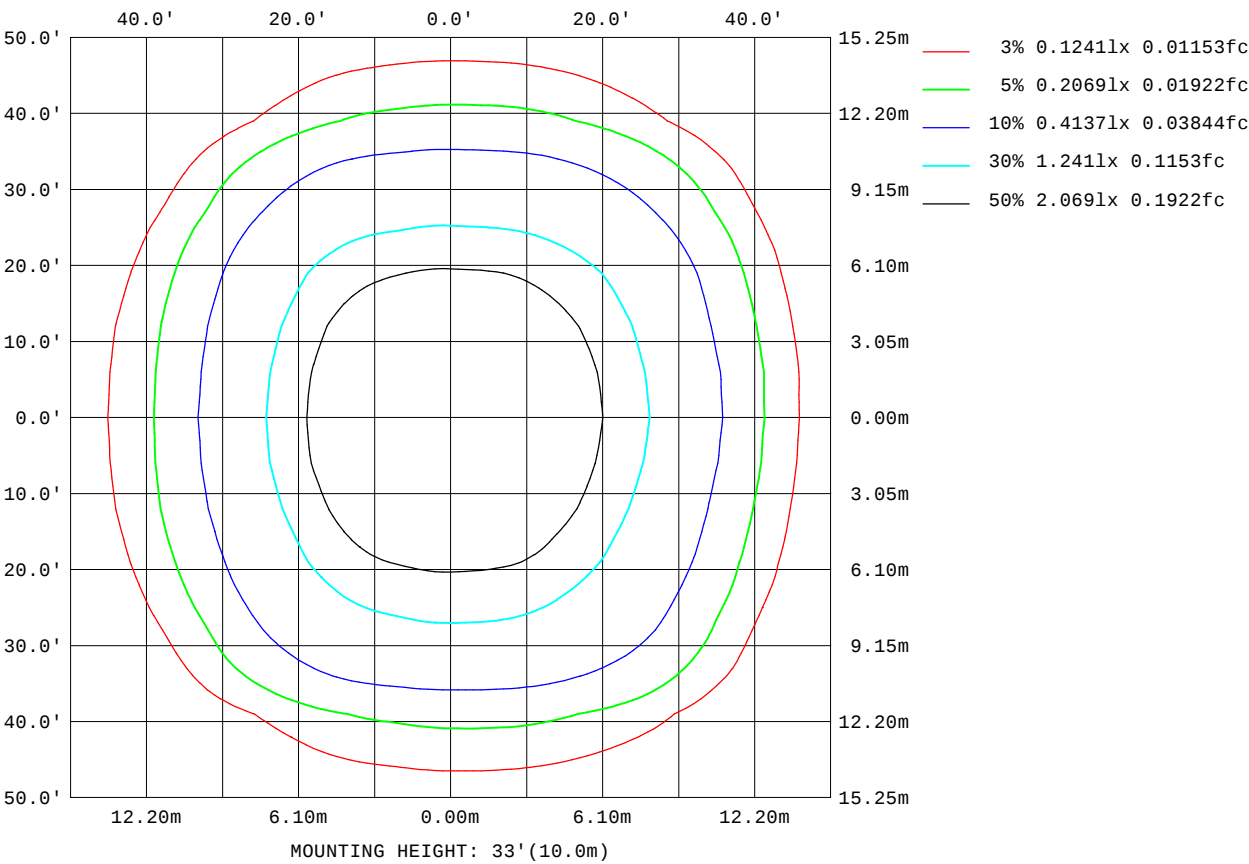


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

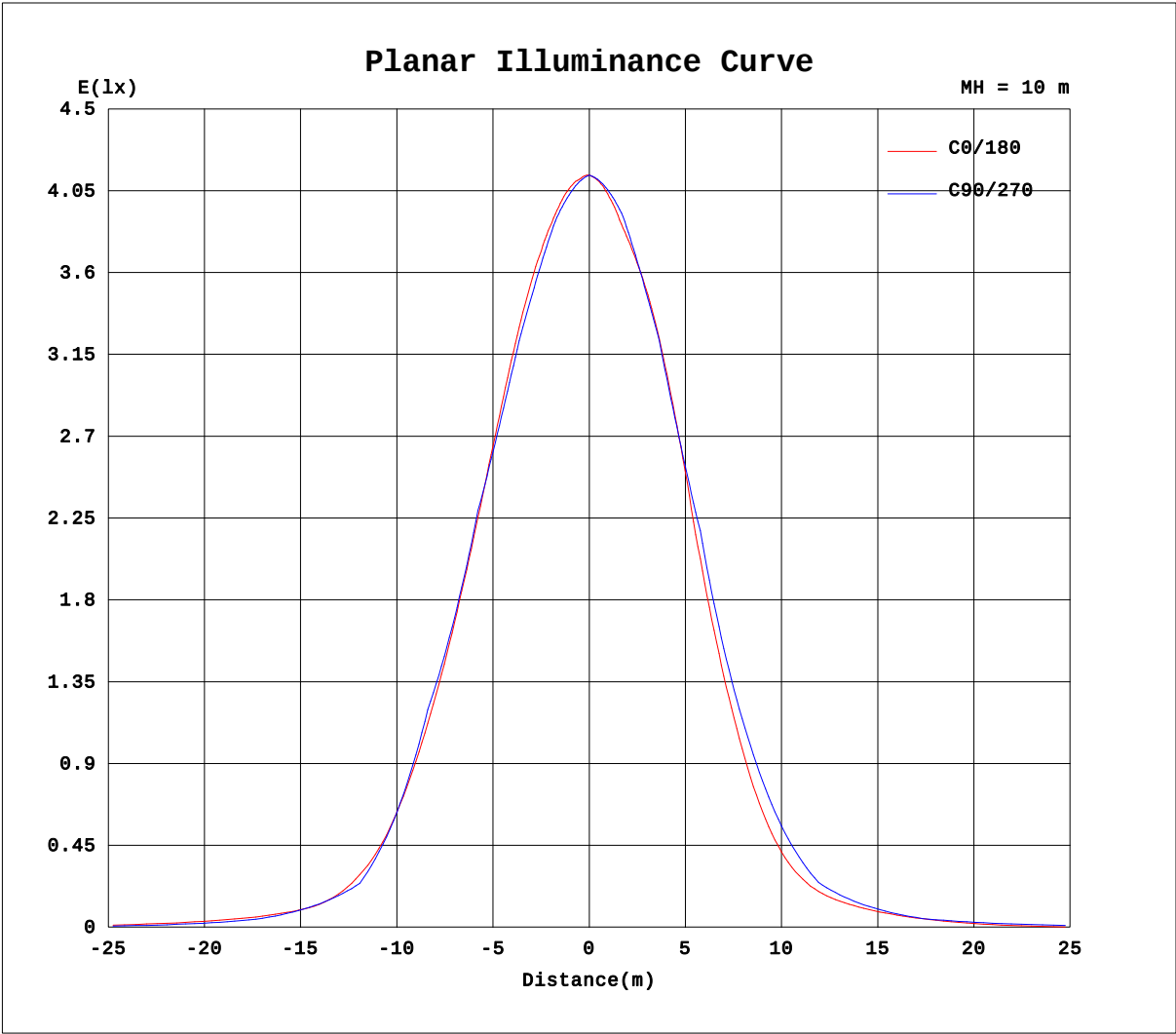
Test:U:220.7V I:0.0657A P:7.716W PF:1.000 Freq:50.00Hz Lamp Flux:740.885x1 lm		
NAME: 8.02.038.0045 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve

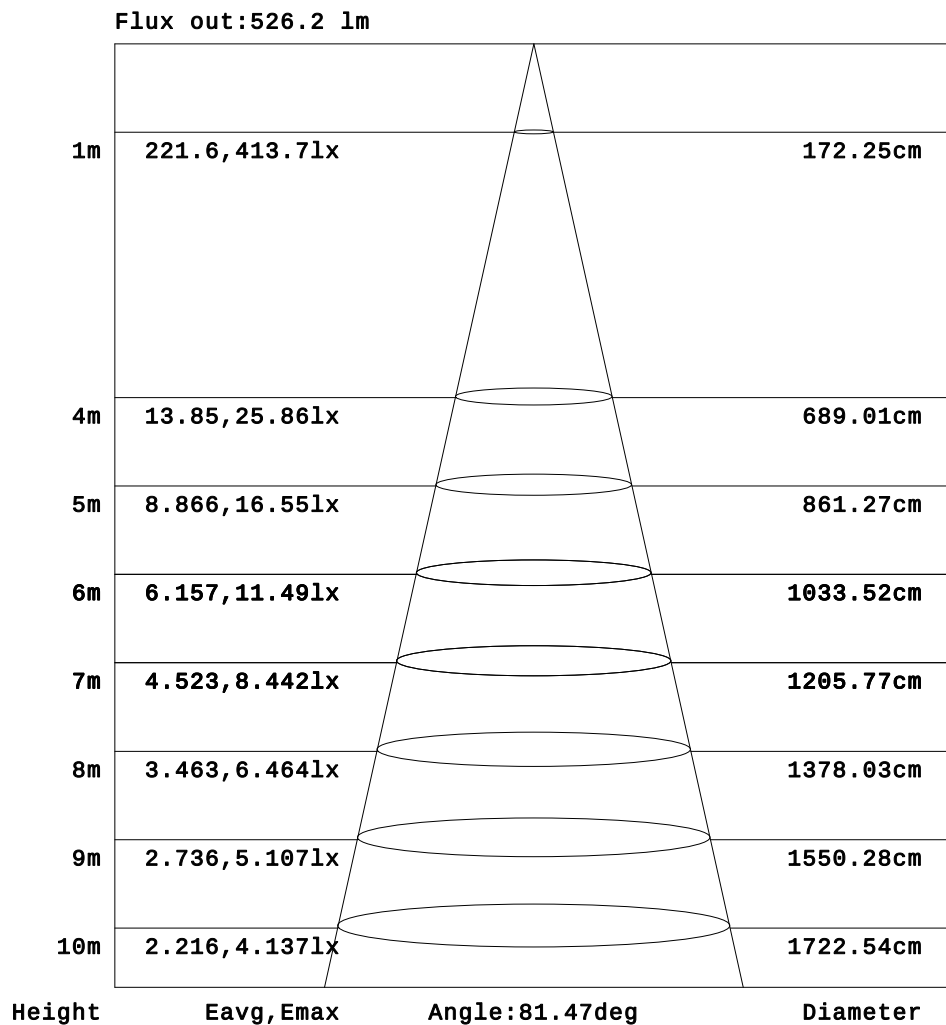


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.7V I:0.0657A P:7.716W PF:1.000 Freq:50.00Hz Lamp Flux:740.885x1 lm		
NAME: 8.02.038.0045 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	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:28.0DEG
Operators:QC1
Test Date:2024-12-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0657A P:7.716W PF:1.000 Freq:50.00Hz Lamp Flux:740.885x1 lm		
NAME: 8.02.038.0045 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	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
-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	0.00	0.00	0.00	0.00	0.00	2.21	4.20	4.79	4.79	4.84
-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	0.28	5.43	8.98	9.57	9.61	9.69
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	6.09	9.98	13.1	17.4	20.6	21.9	22.5	22.7	22.9
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.90	13.9	21.3	27.1	30.9	33.2	34.6	35.5	35.9	36.0
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	8.59	16.3	26.4	34.7	41.9	48.5	54.3	59.2	61.5	62.5	63.7
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.84	19.9	32.0	42.4	51.1	59.4	68.6	77.7	85.1	87.9	89.8	91.6
-45	0.00	0.00	0.00	0.00	0.00	0.00	2.81	13.1	28.1	41.4	54.7	72.5	97.1	123	149	167	172	176	179
-40	0.00	0.00	0.00	0.00	0.00	0.00	9.13	26.4	42.1	55.9	73.1	103	145	188	230	251	257	265	266
-35	0.00	0.00	0.00	0.00	0.00	0.19	12.2	30.3	46.8	62.8	86.3	125	175	225	269	294	300	307	310
-30	0.00	0.00	0.00	0.00	0.00	2.78	22.6	41.0	57.6	77.3	112	168	225	281	323	341	345	352	353
-25	0.00	0.00	0.00	0.00	0.00	4.40	24.0	42.6	59.7	81.9	122	179	239	296	340	358	363	368	371
-20	0.00	0.00	0.00	0.00	0.00	12.7	33.4	51.3	68.8	99.3	152	216	277	331	368	379	381	387	389
-15	0.00	0.00	0.00	0.00	0.00	10.9	32.0	50.2	67.6	98.5	153	219	282	336	373	386	389	395	398
-10	0.00	0.00	0.00	0.00	0.01	17.9	38.7	55.7	75.1	116	181	249	311	359	386	395	398	404	407
-5	0.00	0.00	0.00	0.00	0.00	14.5	35.8	53.3	71.3	109	172	240	303	355	386	396	400	406	410
0	0.00	0.00	0.00	0.00	0.00	20.1	40.7	57.4	77.7	123	191	258	318	366	392	400	403	410	414
5	0.00	0.00	0.00	0.00	0.00	14.9	36.1	53.4	71.3	109	171	240	302	355	385	397	400	407	411
10	0.00	0.00	0.00	0.00	0.02	18.6	39.2	56.0	74.8	115	180	248	310	358	386	395	399	406	409
15	0.00	0.00	0.00	0.00	0.00	12.3	33.3	50.7	67.5	98.5	154	220	283	337	373	386	390	396	399
20	0.00	0.00	0.00	0.00	0.00	14.7	35.2	51.9	68.7	99.9	154	219	280	335	368	379	382	387	389
25	0.00	0.00	0.00	0.00	0.00	6.48	26.6	44.1	59.7	82.1	124	182	243	298	338	353	356	361	363
30	0.00	0.00	0.00	0.00	0.00	6.42	25.7	42.6	57.5	77.5	115	172	228	281	317	329	331	336	336
35	0.00	0.00	0.00	0.00	0.00	1.23	15.9	32.9	47.3	62.3	86.9	127	174	218	254	272	274	278	279
40	0.00	0.00	0.00	0.00	0.00	0.00	13.3	29.3	42.7	54.9	71.9	101	137	172	202	216	216	221	222
45	0.00	0.00	0.00	0.00	0.00	0.00	4.90	17.0	30.3	41.5	53.5	70.6	93.2	116	137	151	153	156	158
50	0.00	0.00	0.00	0.00	0.00	0.00	0.01	10.5	22.7	32.6	41.0	49.1	58.6	69.4	79.5	87.8	90.8	92.1	93.2
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.87	10.2	19.8	28.2	35.3	42.1	49.3	55.8	61.4	64.2	65.4	66.3
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	10.6	18.3	24.2	28.6	31.8	34.6	36.7	38.0	39.2	39.4
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.42	8.48	11.7	17.4	21.6	24.8	26.7	27.8	28.6	29.0
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	8.10	12.9	16.0	17.4	17.9	18.4	18.6
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	3.48	5.99	7.77	8.59	8.91	9.13	9.30
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
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:2024-12-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0657A P:7.716W PF:1.000 Freq:50.00Hz Lamp Flux:740.885x1 lm		
NAME: 8.02.038.0045 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2																	UNIT: cd	
H(DEC) V(DEC)	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	4.73	4.32	4.00	3.75	3.45	3.23	2.64	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	9.36	8.44	7.88	7.37	6.84	6.28	4.87	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	22.6	21.8	20.8	19.8	18.7	17.6	16.0	13.3	10.8	8.43	4.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
-60	35.6	34.7	33.4	31.9	30.3	28.3	26.2	24.0	20.7	15.3	6.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	64.1	64.2	63.2	60.7	56.9	51.3	43.4	36.7	31.3	25.9	17.8	8.89	2.26	0.00	0.00	0.00	0.00	0.00
-50	92.6	93.6	92.2	88.1	81.7	71.3	57.3	47.0	39.7	33.7	25.9	14.9	2.19	0.00	0.00	0.00	0.00	0.00
-45	179	181	178	167	151	128	100	72.8	52.9	41.7	33.6	23.6	10.7	0.75	0.00	0.00	0.00	0.00
-40	267	267	260	241	212	175	131	88.4	59.8	46.5	38.0	27.7	13.3	0.01	0.00	0.00	0.00	0.00
-35	309	310	306	290	260	222	175	125	82.6	56.9	44.5	34.1	21.8	5.35	0.00	0.00	0.00	0.00
-30	352	353	348	328	295	252	199	142	91.7	60.7	47.0	36.2	23.8	6.01	0.00	0.00	0.00	0.00
-25	370	370	367	354	326	286	235	178	119	75.1	52.8	41.1	29.1	11.8	0.00	0.00	0.00	0.00
-20	388	388	384	371	343	301	250	190	124	76.8	53.5	41.4	28.9	10.4	0.00	0.00	0.00	0.00
-15	397	397	394	384	362	325	277	220	153	94.9	59.4	45.1	32.8	16.3	0.10	0.00	0.00	0.00
-10	406	405	401	391	368	330	283	225	155	94.5	58.3	44.3	31.6	13.8	0.00	0.00	0.00	0.00
-5	410	408	405	396	377	346	302	247	178	110	63.9	47.3	34.8	18.9	0.42	0.00	0.00	0.00
0	413	410	406	396	375	344	300	243	172	103	60.4	45.3	32.6	15.2	0.01	0.00	0.00	0.00
5	411	408	405	397	378	348	305	250	181	112	64.8	47.6	35.0	19.1	0.52	0.00	0.00	0.00
10	408	405	401	392	370	337	289	231	162	98.8	59.4	44.8	32.0	14.3	0.00	0.00	0.00	0.00
15	398	397	393	385	364	332	285	228	160	99.6	60.6	45.6	33.1	16.6	0.19	0.00	0.00	0.00
20	388	387	383	372	347	310	261	199	131	80.7	54.1	41.6	29.0	10.4	0.00	0.00	0.00	0.00
25	361	362	360	349	327	292	246	189	125	78.4	53.0	40.9	29.0	11.6	0.00	0.00	0.00	0.00
30	335	337	334	320	295	258	211	152	97.0	61.8	46.4	35.8	23.4	5.61	0.00	0.00	0.00	0.00
35	278	279	278	267	247	216	177	130	86.3	57.0	43.2	33.3	21.4	5.03	0.00	0.00	0.00	0.00
40	221	223	220	208	187	159	126	88.6	60.5	44.7	36.1	26.6	12.9	0.01	0.00	0.00	0.00	0.00
45	157	158	157	150	136	118	95.4	71.1	51.6	39.0	31.2	22.2	9.95	0.63	0.00	0.00	0.00	0.00
50	93.7	94.3	92.4	86.8	78.3	67.8	55.1	44.1	36.0	30.1	23.2	13.5	1.41	0.00	0.00	0.00	0.00	0.00
55	66.3	66.3	64.9	61.4	56.2	49.8	42.2	35.0	28.9	23.4	16.1	7.91	1.84	0.00	0.00	0.00	0.00	0.00
60	39.0	38.1	36.4	34.2	31.6	28.9	26.1	23.1	19.6	14.4	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	28.8	28.1	26.8	25.3	23.3	21.2	18.7	15.4	10.8	7.81	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	18.4	17.5	16.7	15.7	14.1	12.6	10.2	6.10	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	9.19	8.88	8.43	7.95	7.22	6.45	5.38	3.57	0.59	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
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:2024-12-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: