

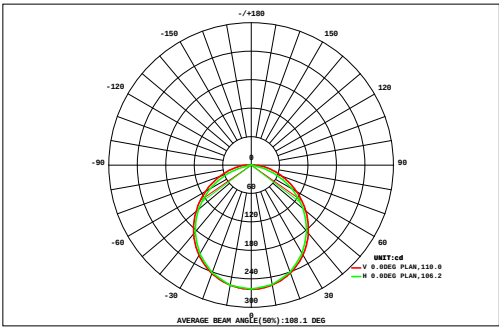
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		371.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	150.8V x 165.8H
	At 50% of Imax	106.2V x 110.0H
	At 90% of Imax	44.8V x 46.7H
Beam Flux	Total	998.2 lumens per klm.
	To 10% of Imax	983.7 lumens per klm.
	To 50% of Imax	714.7 lumens per klm.
	To 90% of Imax	168.7 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:0.0655A P:7.752W PF:1.000 Freq:50.00Hz Lamp Flux:703.818x1 lm		
NAME: 8.02.038.0048 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120097
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:90.79lm/W	
MODEL LLS-WZB-W40-L3-DIM	Imax(cd)	261.7	
NOMINAL POWER(W)	7	AVAILABILITY(%)	98.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	694.8
NOMINAL FLUX(lm)	703.818	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	703.8
TEST VOLTAGE(V)	220	θ @50%(H,V)	110,106DEG

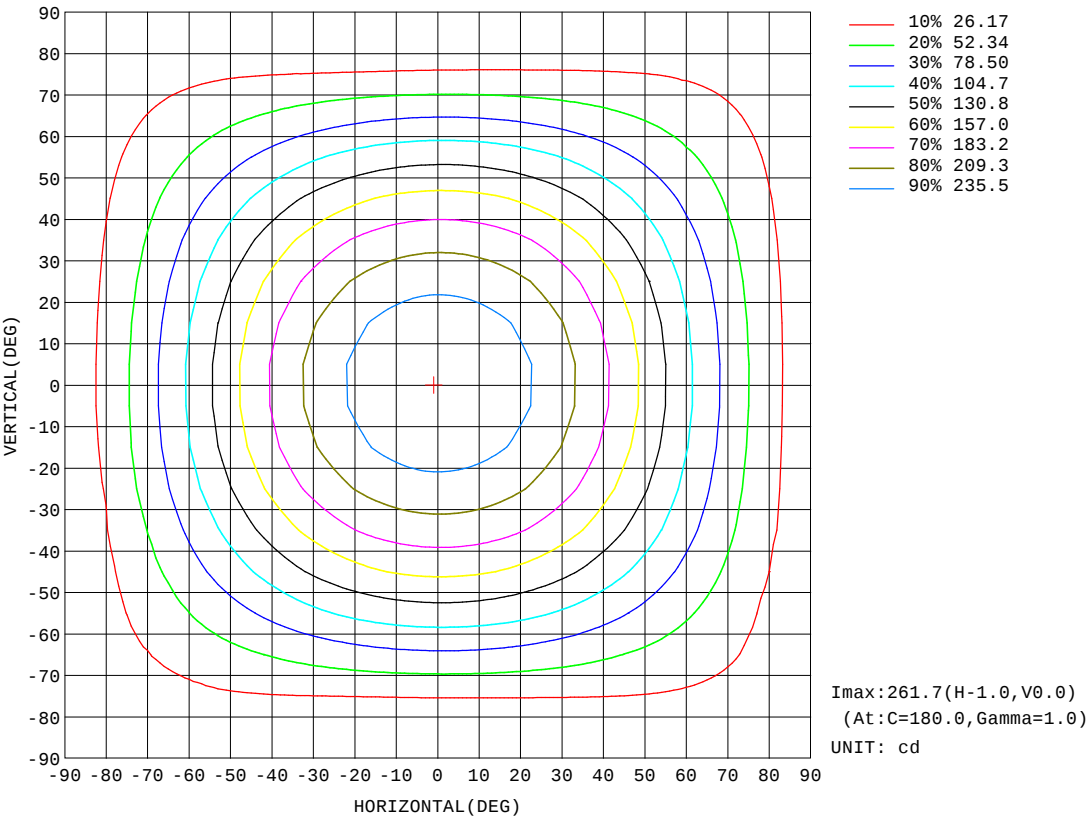
AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.03	0.13	0.27	0.41	0.54	0.62	0.67	0.71	0.73	0.75	0.75	0.74	0.69	0.60	0.47	0.31	0.16	0.04	8.62	5.66
70	0.03	0.17	0.41	0.72	1.09	1.47	1.83	2.13	2.30	2.31	2.17	1.89	1.54	1.15	0.78	0.45	0.20	0.04	20.7	20.3
60	0.04	0.23	0.58	1.08	1.69	2.35	2.97	3.45	3.72	3.73	3.50	3.04	2.43	1.77	1.14	0.62	0.25	0.05	32.7	32.5
50	0.05	0.28	0.75	1.43	2.27	3.18	4.01	4.64	4.98	5.00	4.68	4.08	3.26	2.36	1.50	0.80	0.31	0.06	43.6	43.5
40	0.05	0.33	0.90	1.74	2.79	3.89	4.89	5.65	6.07	6.08	5.69	4.96	3.97	2.87	1.81	0.94	0.36	0.06	53.1	53.0
30	0.06	0.37	1.02	1.99	3.19	4.45	5.59	6.45	6.93	6.94	6.50	5.66	4.53	3.27	2.06	1.07	0.40	0.07	60.5	60.5
20	0.06	0.40	1.11	2.17	3.48	4.85	6.09	7.02	7.53	7.54	7.05	6.14	4.91	3.55	2.23	1.15	0.42	0.07	65.8	65.7
10	0.06	0.41	1.15	2.26	3.63	5.05	6.34	7.31	7.85	7.85	7.34	6.38	5.11	3.69	2.31	1.19	0.43	0.07	68.4	68.4
0	0.06	0.42	1.15	2.26	3.63	5.05	6.33	7.30	7.83	7.84	7.33	6.37	5.10	3.68	2.31	1.18	0.43	0.07	68.3	68.3
-10	0.05	0.40	1.11	2.17	3.47	4.83	6.06	6.99	7.50	7.50	7.02	6.11	4.89	3.53	2.21	1.14	0.42	0.07	65.5	65.4
-20	0.04	0.37	1.02	1.99	3.18	4.44	5.56	6.41	6.87	6.88	6.44	5.60	4.48	3.23	2.03	1.05	0.39	0.06	60.1	60.0
-30	0.03	0.32	0.89	1.72	2.75	3.84	4.83	5.58	5.99	6.01	5.63	4.91	3.93	2.84	1.80	0.94	0.36	0.05	52.4	52.4
-40	0.02	0.27	0.74	1.42	2.25	3.13	3.95	4.57	4.90	4.92	4.60	4.01	3.21	2.32	1.47	0.78	0.31	0.03	42.9	42.8
-50	0.01	0.21	0.56	1.07	1.67	2.31	2.92	3.38	3.64	3.65	3.42	2.98	2.38	1.73	1.12	0.62	0.25	0.02	31.9	31.8
-60	0.00	0.15	0.39	0.71	1.07	1.45	1.80	2.08	2.25	2.26	2.12	1.85	1.50	1.12	0.76	0.44	0.17	0.01	20.1	19.8
-70	0.00	0.08	0.23	0.38	0.52	0.62	0.71	0.77	0.82	0.82	0.79	0.74	0.66	0.55	0.42	0.27	0.11	0.00	8.50	4.75
-80	0.00	0.02	0.06	0.08	0.07	0.05	0.03	0.01	0.01	0.01	0.01	0.03	0.05	0.08	0.09	0.08	0.03	0.00	0.71	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	0.61	4.56	12.3	23.6	37.3	51.6	64.6	74.5	79.9	80.1	75.0	65.5	52.6	38.3	24.5	13.0	4.99	0.75	704	---
Φ a	0.17	3.90	11.7	23.0	36.7	51.1	64.1	74.1	79.5	79.7	74.6	65.0	52.1	37.8	24.0	12.5	4.44	0.32	---	695

one-half-peak spread: U:53.1,D:53.7 , L:54.1,R:56.6 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-27
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.0V I:0.0655A P:7.752W PF:1.000 Freq:50.00Hz Lamp Flux:703.818x1 lm		
NAME: 8.02.038.0048 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120097
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

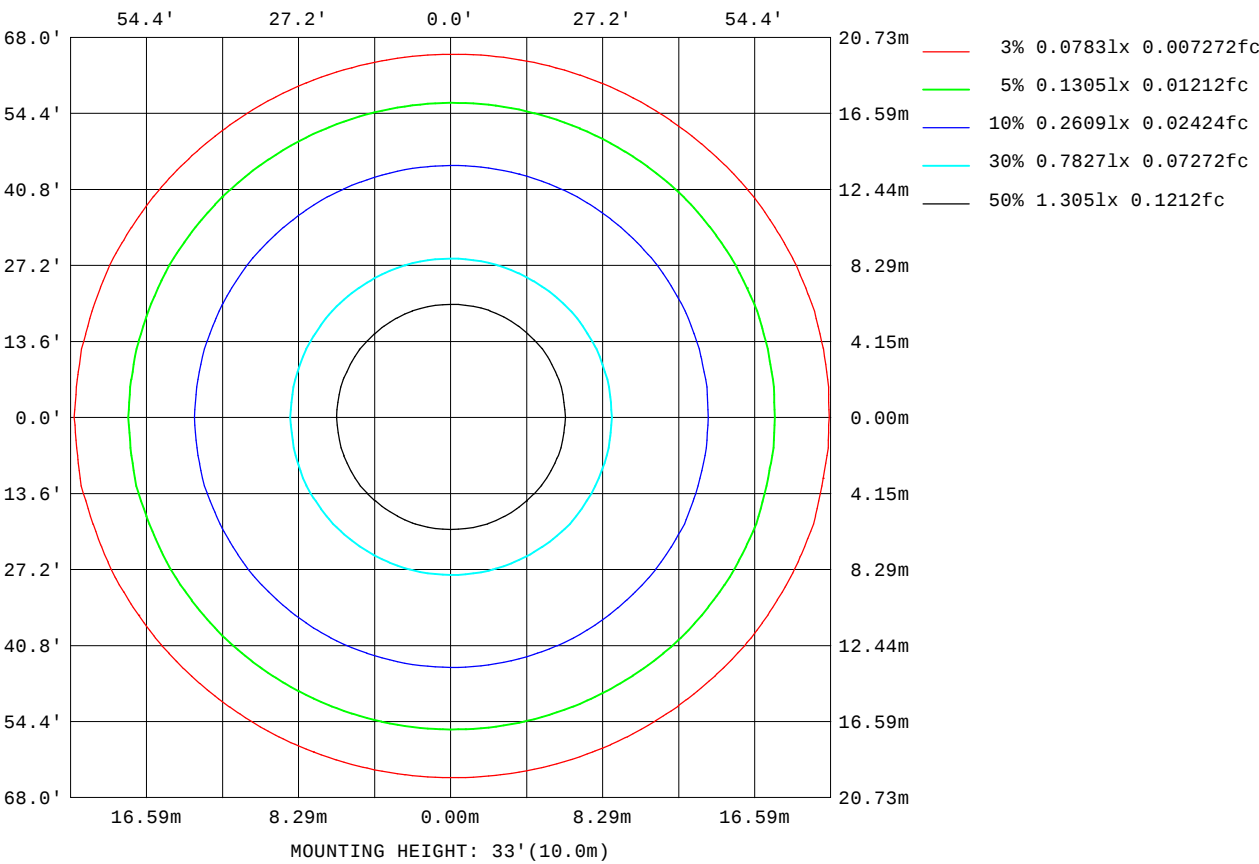


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-27

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

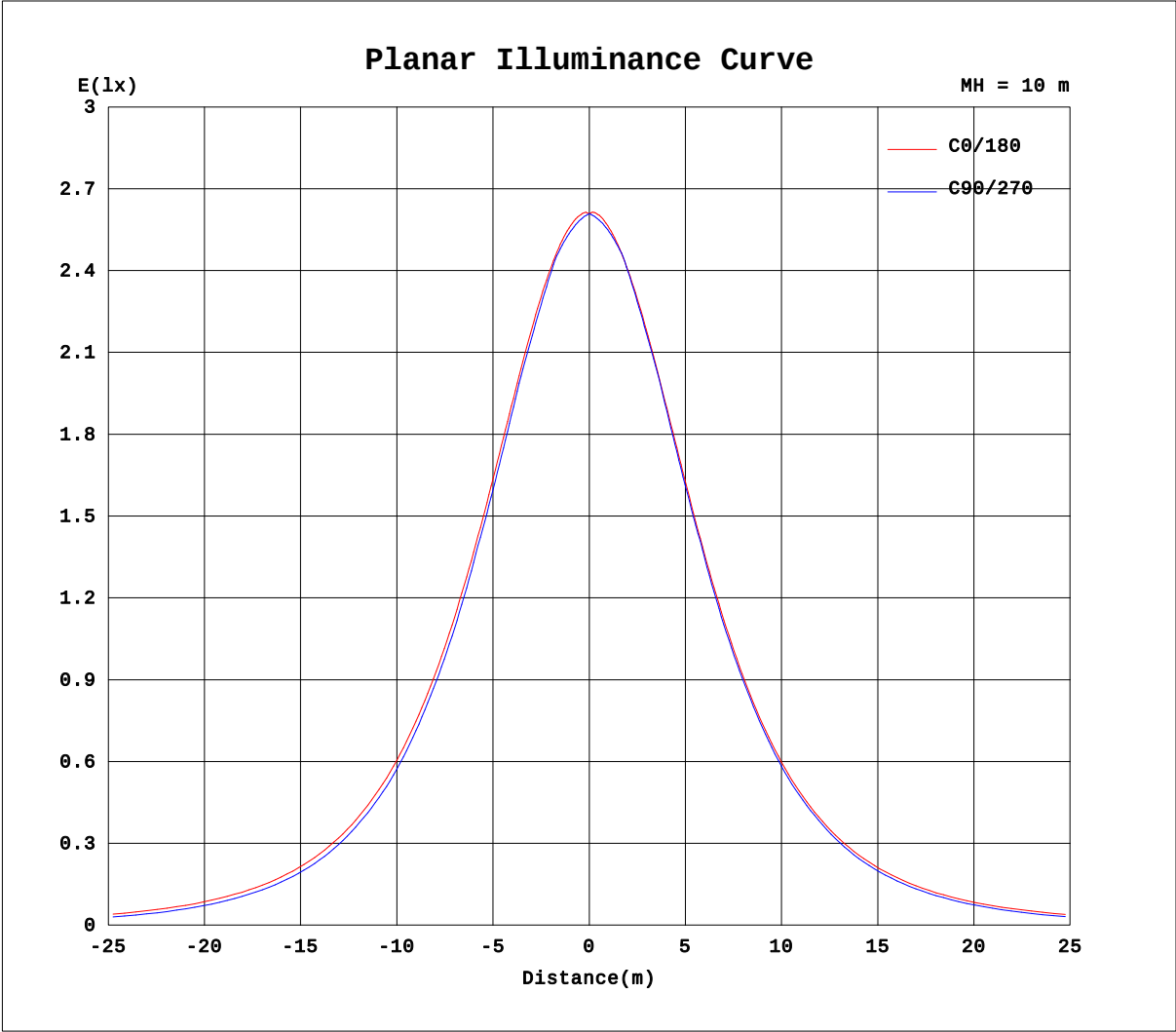
Test:U:221.0V I:0.0655A P:7.752W PF:1.000 Freq:50.00Hz Lamp Flux:703.818x1 lm		
NAME: 8.02.038.0048 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120097
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-27

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

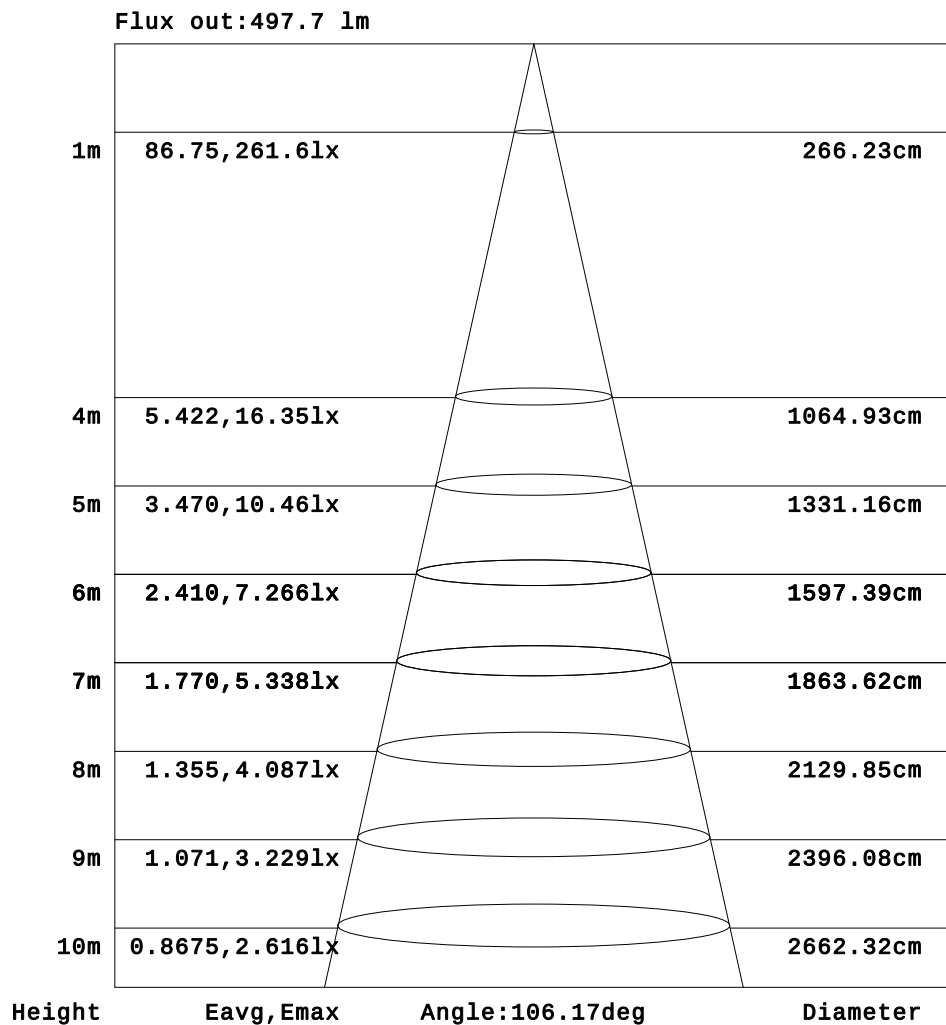


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-27

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:221.0V I:0.0655A P:7.752W PF:1.000 Freq:50.00Hz Lamp Flux:703.818x1 lm		
NAME: 8.02.038.0048 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120097
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:2024-12-27

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:221.0V I:0.0655A P:7.752W PF:1.000 Freq:50.00Hz Lamp Flux:703.818x1 lm		
NAME: 8.02.038.0048 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120097
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1																	UNIT: cd		
H(DEC) V(DEC)	-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	6.13	11.8	12.6	12.8	12.9	13.2	12.7	11.8	10.8	9.52	8.18	6.87	5.74	4.94	4.54	4.45
-75	0.00	0.00	1.55	10.2	16.2	18.4	19.9	21.9	23.5	24.4	25.1	25.7	26.0	26.3	26.6	26.8	27.0	27.2	27.4
-70	0.00	0.00	3.10	14.2	20.5	24.1	27.0	31.0	33.7	36.2	38.5	40.6	42.6	44.4	46.2	47.8	49.1	50.0	50.4
-65	0.00	0.00	5.81	18.8	25.2	30.4	35.5	40.9	45.4	49.8	53.9	57.9	61.7	65.1	68.1	70.6	72.5	73.8	74.3
-60	0.00	0.00	8.53	23.3	29.9	36.7	44.0	50.8	57.1	63.4	69.4	75.3	80.8	85.7	90.0	93.4	95.9	97.6	98.3
-55	0.00	0.01	11.5	26.5	34.8	42.8	52.1	60.7	69.0	77.0	84.9	92.3	99.2	105	110	115	118	120	120
-50	0.00	0.03	14.5	29.7	39.7	48.9	60.2	70.7	80.8	90.7	100	109	118	125	131	136	139	142	143
-45	0.00	1.47	18.5	33.1	44.1	55.8	68.2	80.2	92.0	104	115	125	134	143	149	155	159	161	162
-40	0.00	2.92	22.5	36.4	48.6	62.8	76.3	89.8	103	117	129	141	151	160	168	174	178	181	182
-35	0.00	4.67	25.1	38.2	52.9	67.9	82.7	97.7	113	127	141	154	165	175	183	189	194	197	198
-30	0.00	6.41	27.6	40.1	57.3	73.0	89.2	106	122	138	153	166	179	189	198	205	210	213	215
-25	0.00	9.98	27.0	43.9	61.0	77.7	95.0	112	130	147	162	177	190	201	210	217	223	226	227
-20	0.00	13.6	26.3	47.8	64.7	82.5	101	119	138	156	172	187	201	212	222	230	235	239	240
-15	0.00	13.7	29.8	48.7	66.2	84.6	104	123	142	160	177	193	207	219	229	237	243	247	248
-10	0.00	13.8	33.2	49.7	67.7	86.7	106	126	146	165	183	199	213	226	236	244	251	254	256
-5	0.00	16.5	33.7	50.4	68.6	87.9	108	128	148	167	185	201	216	228	239	247	254	257	258
0	0.00	19.3	34.2	51.1	69.5	89.1	109	130	150	169	187	204	218	231	242	250	256	260	261
5	0.00	19.0	33.7	50.4	68.6	88.0	108	128	148	167	185	202	216	229	239	248	254	258	259
10	0.00	18.8	33.3	49.8	67.8	86.9	107	127	147	166	183	199	214	227	237	245	251	256	257
15	0.00	18.4	32.5	48.5	66.0	84.5	104	123	142	161	178	194	208	220	230	238	244	248	249
20	0.00	18.0	31.8	47.2	64.1	82.0	101	119	138	156	172	188	201	213	223	231	236	240	241
25	0.00	17.4	30.5	45.0	61.0	77.8	95.3	113	130	147	163	178	191	202	211	219	224	228	229
30	0.00	16.8	29.1	42.8	57.8	73.5	90.0	107	123	139	154	168	180	191	200	207	212	216	217
35	0.00	16.2	27.7	40.3	54.1	68.5	83.6	98.7	114	129	143	155	167	177	185	192	197	200	201
40	0.00	15.7	26.2	37.8	50.3	63.5	77.1	90.9	105	118	131	143	153	162	170	176	181	183	184
45	0.00	14.8	24.3	34.6	45.7	57.3	69.2	81.3	93.3	105	116	127	137	145	152	157	161	164	165
50	0.00	13.9	22.4	31.4	41.1	51.0	61.3	71.7	82.0	92.2	102	111	120	127	133	138	142	145	145
55	0.00	12.8	20.4	28.2	36.3	44.6	53.1	61.6	70.1	78.4	86.5	94.1	101	108	113	117	120	122	123
60	0.00	11.8	18.5	24.9	31.5	38.2	45.0	51.6	58.2	64.6	70.9	76.9	82.7	87.8	92.2	95.8	98.5	100	101
65	0.00	10.5	16.3	21.4	26.6	31.7	36.7	41.5	46.2	50.8	55.1	59.3	63.3	66.9	70.1	72.8	74.8	76.2	76.8
70	0.00	9.26	14.2	18.0	21.6	25.1	28.4	31.5	34.3	36.9	39.4	41.7	43.8	46.0	48.0	49.7	51.1	52.1	52.6
75	0.00	7.55	11.4	14.6	17.0	19.1	21.0	22.5	23.8	24.8	25.6	26.2	26.7	27.1	27.5	27.9	28.3	28.7	29.0
80	0.00	5.84	8.69	11.3	12.4	13.1	13.5	13.5	13.3	12.7	11.8	10.8	9.54	8.27	7.08	6.11	5.57	5.35	5.35
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:2024-12-27

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:221.0V I:0.0655A P:7.752W PF:1.000 Freq:50.00Hz Lamp Flux:703.818x1 lm		
NAME: 8.02.038.0048 LLS-WZB-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120097
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2																		UNIT: cd	
H(DEG) V(DEG)	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	4.60	5.10	5.94	7.13	8.59	10.1	11.6	12.8	13.9	14.7	15.2	15.3	15.2	14.6	8.92	1.69	0.00	0.00	
-75	27.4	27.4	27.4	27.3	27.2	27.1	26.9	26.6	26.0	25.3	24.2	22.9	21.3	19.4	13.2	4.18	0.00	0.00	
-70	50.3	49.8	48.9	47.5	45.9	44.1	42.3	40.3	38.2	35.8	33.2	30.4	27.4	24.1	17.5	6.67	0.00	0.00	
-65	74.2	73.3	71.8	69.6	66.8	63.5	60.0	56.1	52.1	47.8	43.3	38.7	34.0	29.0	22.5	9.07	0.01	0.00	
-60	98.1	96.9	94.7	91.6	87.6	82.9	77.7	71.9	65.9	59.8	53.4	47.0	40.6	34.0	27.4	11.5	0.02	0.00	
-55	120	119	116	112	107	102	95.1	87.9	80.1	72.1	63.8	55.6	47.3	39.1	31.0	17.4	1.38	0.00	
-50	142	140	137	133	127	121	113	104	94.3	84.3	74.2	64.1	54.0	44.1	34.5	23.4	2.75	0.00	
-45	162	160	156	151	145	137	128	118	107	95.6	83.7	71.8	60.1	48.6	37.5	26.2	4.38	0.00	
-40	181	179	175	169	162	154	144	132	120	107	93.1	79.6	66.2	53.0	40.5	29.0	6.01	0.00	
-35	198	195	191	185	177	168	157	145	131	117	102	86.6	71.7	57.2	43.4	30.7	10.8	0.00	
-30	214	211	207	200	192	182	170	157	142	126	110	93.6	77.2	61.4	46.3	32.5	15.7	0.00	
-25	226	223	218	211	202	192	179	165	150	133	116	97.9	80.5	63.6	47.7	33.0	17.8	0.00	
-20	239	235	230	223	213	202	188	174	157	139	121	102	83.9	65.9	49.1	33.6	20.0	0.00	
-15	247	243	238	230	220	209	195	180	163	144	125	106	86.8	68.2	50.8	34.7	20.6	0.00	
-10	255	251	246	238	228	215	201	186	168	149	130	110	89.8	70.5	52.4	35.8	21.1	0.00	
-5	258	254	248	240	230	218	203	187	170	151	131	111	90.5	71.0	52.5	35.8	21.1	0.00	
0	260	257	251	243	232	220	206	189	171	152	132	111	91.1	71.4	52.7	35.8	21.0	0.00	
5	258	255	249	241	230	218	204	188	170	151	131	111	90.6	71.1	52.6	35.9	21.1	1.92	
10	256	252	247	239	229	216	202	186	169	150	130	110	90.1	70.8	52.6	36.0	21.1	3.85	
15	248	245	239	232	222	210	196	181	164	146	126	107	87.6	68.9	51.3	35.1	20.9	4.22	
20	240	237	232	225	215	204	190	175	159	141	123	104	85.1	67.0	49.9	34.2	20.6	4.59	
25	228	225	220	213	204	194	181	167	151	134	117	99.0	81.4	64.3	48.2	33.4	20.2	4.41	
30	216	213	209	202	194	184	172	158	143	127	111	94.2	77.7	61.7	46.5	32.5	19.9	4.24	
35	200	197	193	187	179	170	159	146	133	118	103	87.4	72.3	57.6	43.7	30.8	19.1	4.52	
40	184	182	178	172	165	156	146	134	122	108	94.5	80.6	66.9	53.6	41.0	29.2	18.4	4.80	
45	164	162	159	154	147	139	130	120	109	97.1	85.1	72.5	60.9	49.1	37.9	27.3	17.6	4.80	
50	145	143	140	136	130	123	115	106	96.2	86.0	75.6	64.4	54.9	44.7	34.9	25.5	16.9	4.80	
55	123	121	119	115	110	104	97.4	89.9	82.0	73.7	65.2	56.3	48.1	39.6	31.3	23.3	15.9	4.75	
60	101	99.5	97.3	94.2	90.1	85.3	79.9	74.0	67.8	61.5	54.9	48.1	41.3	34.5	27.8	21.1	14.9	4.71	
65	76.6	75.8	74.2	72.0	69.1	65.8	62.1	58.1	53.9	49.4	44.7	39.8	34.7	29.5	24.3	19.0	13.9	4.48	
70	52.5	52.0	51.1	49.8	48.1	46.3	44.3	42.2	39.9	37.3	34.5	31.4	28.1	24.5	20.8	16.9	12.9	4.26	
75	29.1	29.2	29.2	29.2	29.1	28.9	28.6	28.1	27.4	26.5	25.2	23.6	21.8	19.7	17.3	14.6	11.8	4.11	
80	5.69	6.31	7.28	8.56	10.0	11.5	12.9	14.0	15.0	15.6	15.9	15.8	15.5	14.8	13.8	12.4	10.7	3.97	
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:2024-12-27

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: