

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

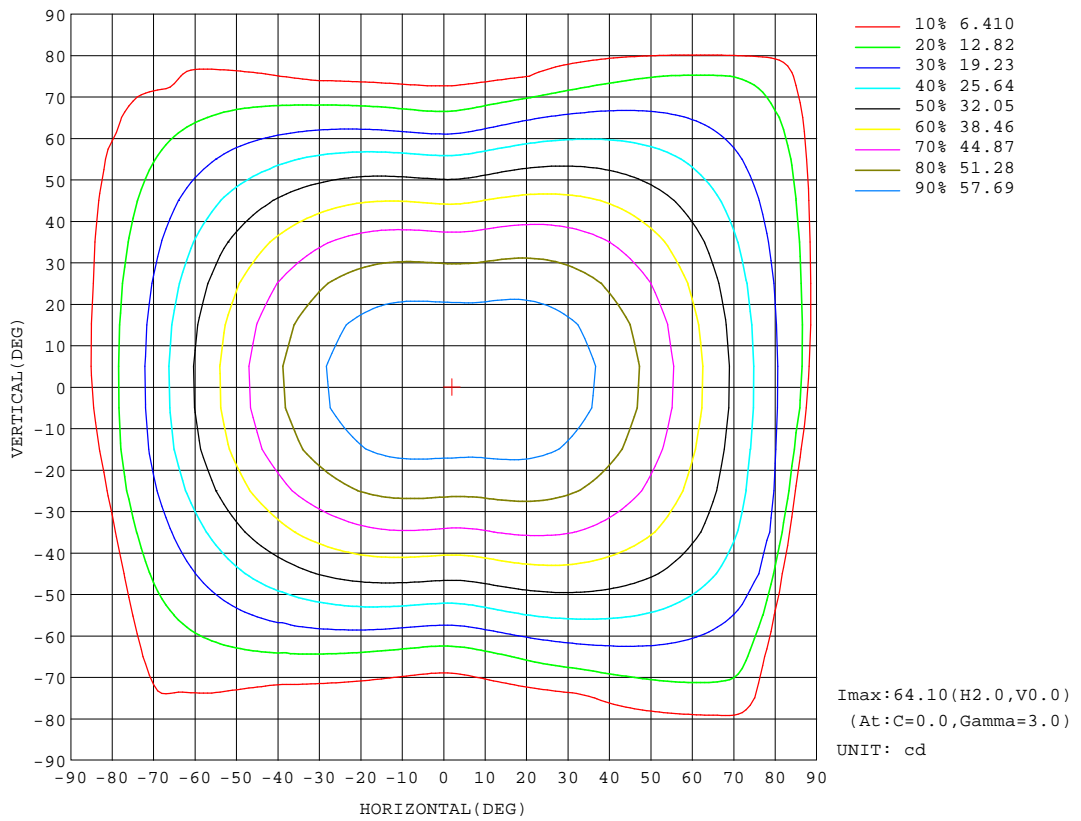
Maximum Intensity (Luminaire orientation as tested.)		344.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	139.2V x 173.1H 97.2V x 129.6H 39.0V x 66.4H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	998.2 lumens per klm. 988.8 lumens per klm. 761.2 lumens per klm. 216.4 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.5DEG
Operators:QC1
Test Date:2024-04-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:66%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2436A P:5.846W PF:1.000 Lamp Flux:186.08lx1 lm		
NAME: 8.02.019.0082 LLS-OP-W30A-L3-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

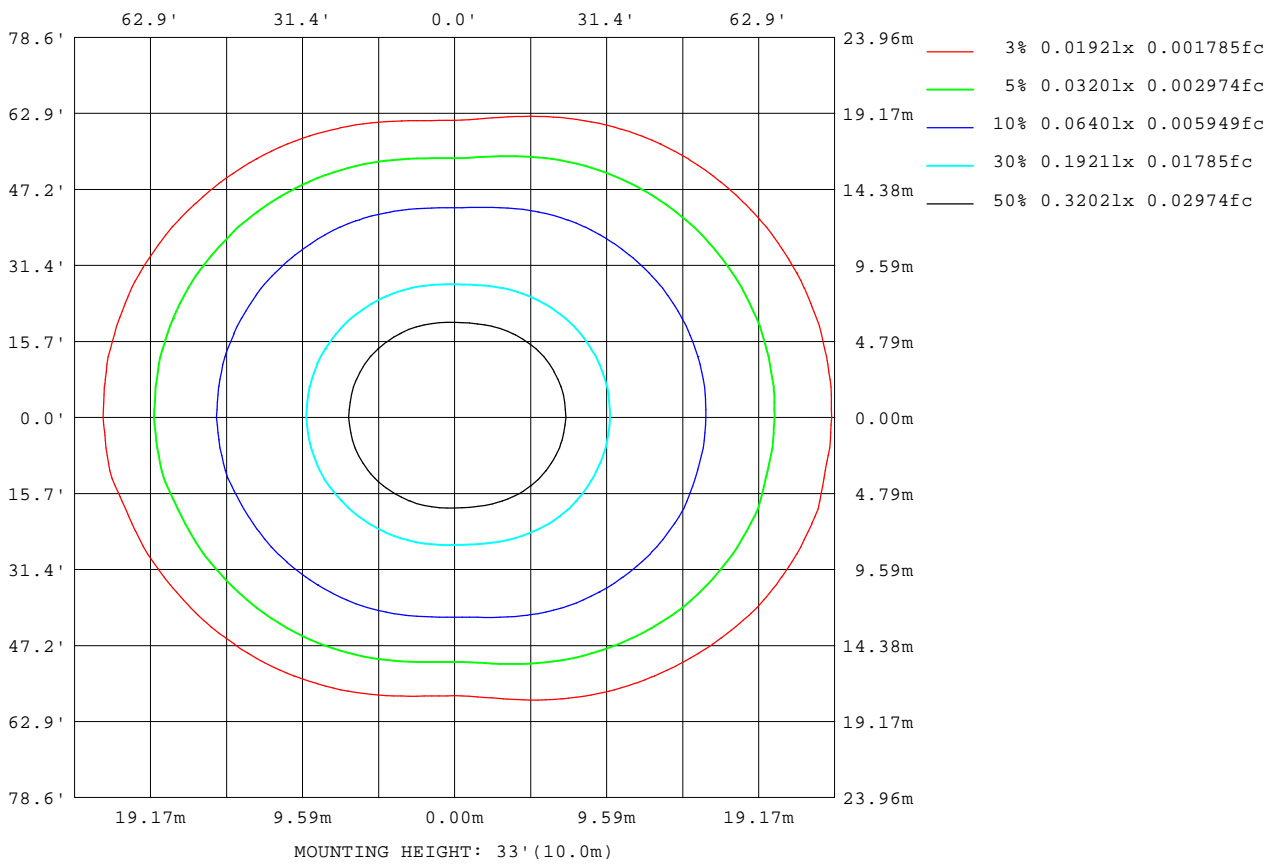


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.5DEG
Operators:QC1
Test Date:2024-04-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:66%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.2436A P:5.846W PF:1.000 Lamp Flux:186.08lx1 lm		
NAME: 8.02.019.0082 LLS-OP-W30A-L3-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

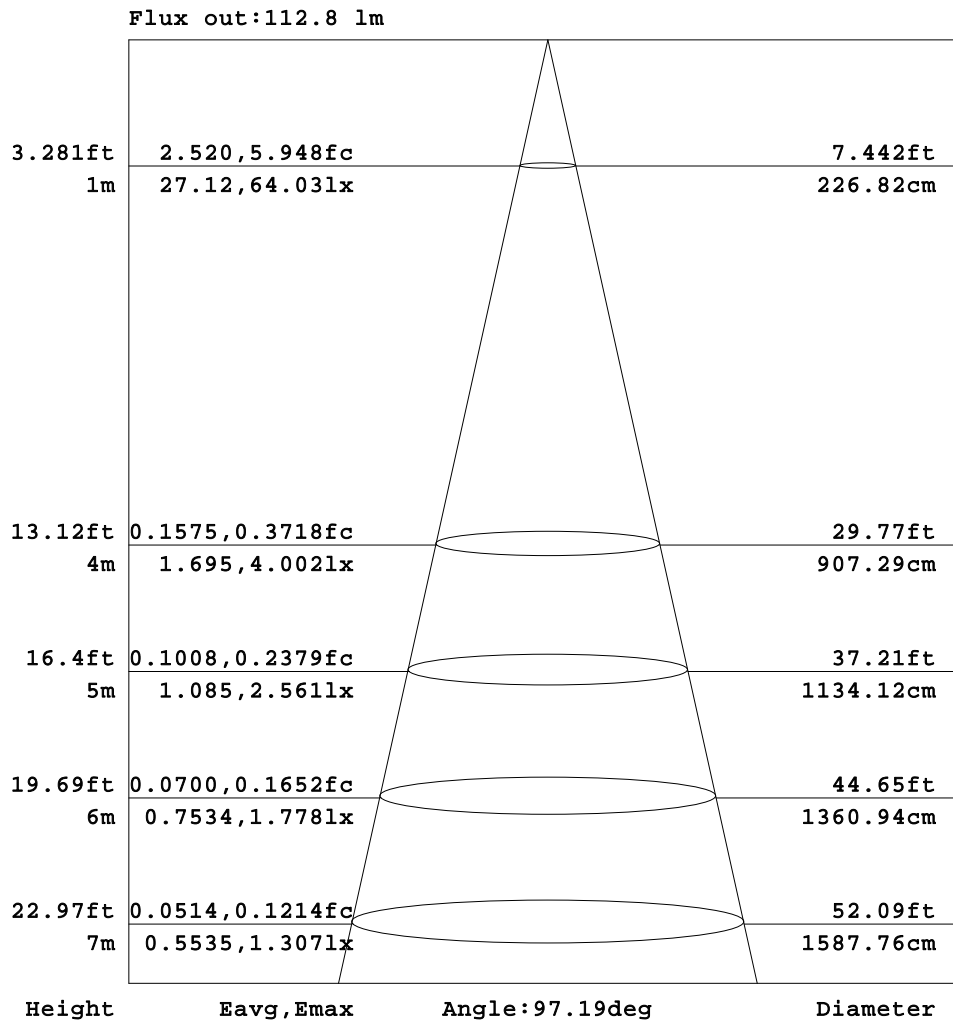


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.5DEG
Operators:QC1
Test Date:2024-04-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:66%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.2436A P:5.846W PF:1.000 Lamp Flux:186.08lx1 lm		
NAME: 8.02.019.0082 LLS-OP-W30A-L3-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

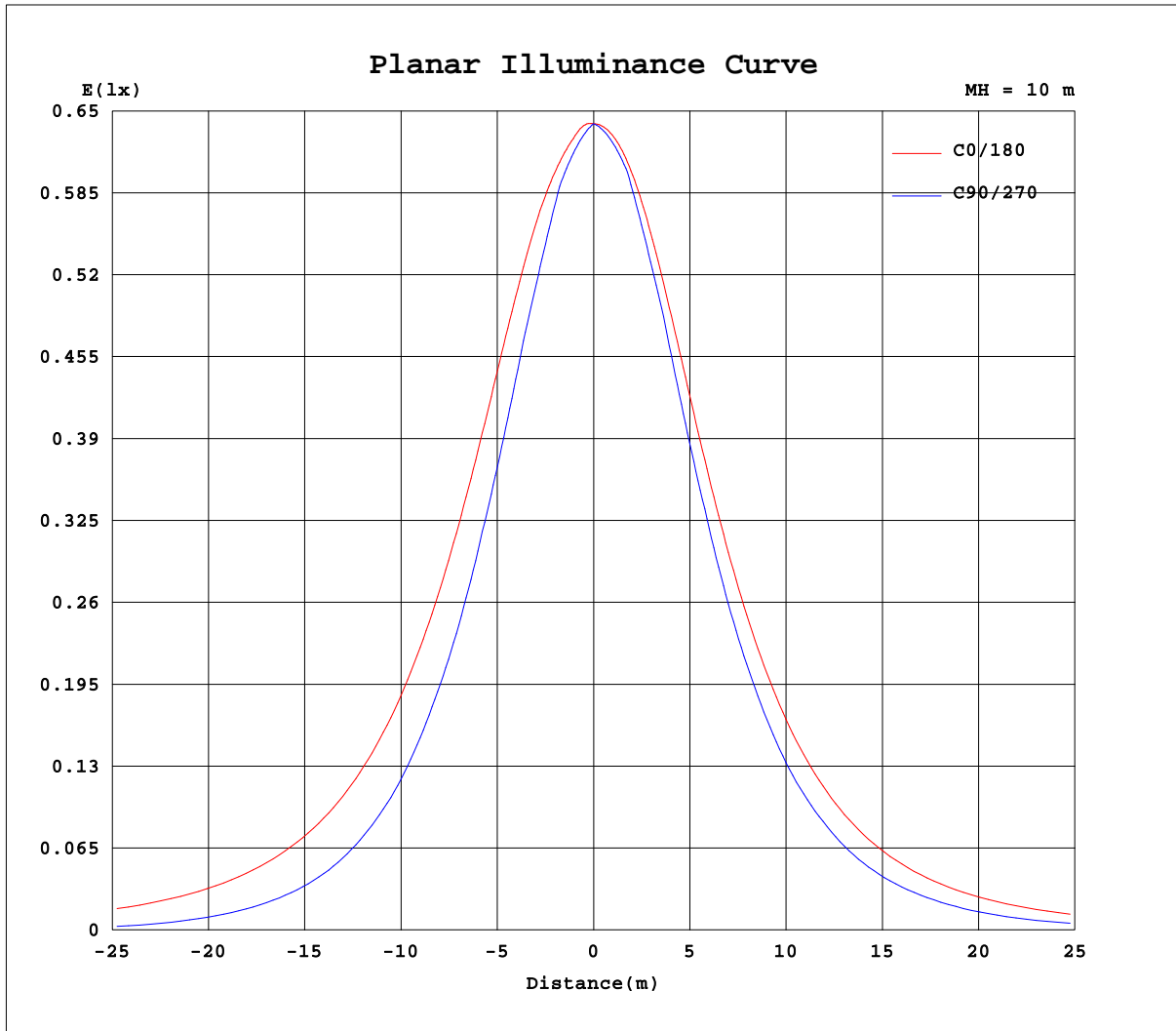


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.5DEG
Operators:QC1
Test Date:2024-04-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:66%
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:25.5DEG
Operators:QC1
Test Date:2024-04-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:66%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2436A P:5.846W PF:1.000 Lamp Flux:186.08lx1 lm		
NAME: 8.02.019.0082 LLS-OP-W30A-L3-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION 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	4.08	3.81	3.76	3.32	2.17	0.92	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	0.59	5.33	5.95	5.86	5.74	5.16	4.47	3.76	3.58	3.35	3.06	2.73	2.37	1.99	1.65	1.51
-70	0.00	0.00	0.00	2.50	7.68	7.91	7.95	7.95	7.89	7.72	7.45	7.07	6.59	6.00	5.32	4.58	3.83	3.19	3.05
-65	0.00	0.00	0.00	3.12	8.68	9.63	10.3	10.9	11.4	11.8	12.1	12.2	12.2	12.0	11.7	11.2	10.6	9.94	9.63
-60	0.00	0.00	0.00	6.51	10.3	11.6	12.9	14.1	15.2	16.1	16.5	17.4	17.7	17.9	17.8	17.5	17.0	16.5	16.2
-55	0.00	0.00	0.15	6.52	11.0	12.9	14.7	16.5	18.1	19.6	20.8	21.9	22.7	23.2	23.5	23.4	23.1	22.7	22.3
-50	0.00	0.00	1.40	9.44	12.4	14.8	17.2	19.5	21.7	23.6	25.3	26.7	27.8	28.7	29.2	29.2	29.1	28.7	28.4
-45	0.00	0.00	1.51	9.71	13.3	16.2	19.2	22.0	24.6	27.0	29.1	30.8	32.3	33.4	34.2	34.5	34.5	34.3	34.0
-40	0.00	0.00	4.70	12.1	15.4	18.8	22.3	25.5	28.5	31.2	33.6	35.6	37.2	38.5	39.4	39.9	40.0	39.7	39.4
-35	0.00	0.00	4.71	12.2	15.8	19.7	23.6	27.3	30.7	33.8	36.5	38.9	40.9	42.4	43.6	44.3	44.5	44.4	44.1
-30	0.00	0.00	8.97	13.7	17.8	22.2	26.4	30.5	34.2	37.5	40.5	43.0	45.2	46.9	48.1	48.9	49.1	49.0	48.7
-25	0.00	0.00	8.80	14.0	18.5	23.1	27.7	32.0	36.1	39.7	42.9	45.7	48.1	50.0	51.5	52.4	52.8	52.8	52.6
-20	0.00	1.14	11.7	16.0	20.9	25.9	30.7	35.3	39.4	43.2	46.5	49.4	51.8	53.8	55.3	56.2	56.6	56.6	56.4
-15	0.00	1.25	11.1	15.5	20.5	25.7	30.8	35.5	40.0	44.0	47.6	50.7	53.4	55.6	57.4	58.5	59.1	59.2	59.1
-10	0.00	6.87	12.1	16.8	22.2	27.6	32.8	37.6	42.2	46.3	49.9	53.2	56.0	58.3	60.0	61.2	61.8	61.8	61.8
-5	0.00	4.78	11.5	16.1	21.4	26.9	32.2	37.3	41.9	46.2	50.0	53.4	56.4	58.8	60.7	62.0	62.7	62.9	62.9
0	0.00	8.64	12.5	17.4	22.8	28.4	33.7	38.8	43.5	47.7	51.5	54.9	57.8	60.2	62.0	63.2	63.9	64.0	64.0
5	0.00	6.87	11.5	16.2	21.5	27.1	32.4	37.5	42.2	46.5	50.4	53.8	56.8	59.3	61.2	62.6	63.3	63.5	63.5
10	0.00	8.59	12.3	17.1	22.5	27.9	33.2	38.2	42.8	47.0	50.7	54.1	56.9	59.3	61.1	62.3	62.9	63.0	63.0
15	0.00	6.45	11.3	15.8	20.9	26.3	31.5	36.4	40.9	45.0	48.7	52.0	54.8	57.1	58.9	60.1	60.7	60.9	60.8
20	0.00	8.48	12.0	16.5	21.6	26.7	31.7	36.4	40.7	44.6	48.1	51.1	53.7	55.8	57.3	58.3	58.7	58.8	58.7
25	0.00	5.24	10.9	14.9	19.6	24.5	29.3	33.8	37.9	41.7	45.0	47.9	50.4	52.4	53.9	54.9	55.3	55.3	55.1
30	0.00	7.62	11.3	15.2	19.6	24.2	28.6	33.1	36.7	40.1	43.2	45.8	48.0	49.7	51.0	51.7	51.9	51.8	51.5
35	0.00	3.28	10.3	13.7	17.7	21.8	26.0	29.9	33.4	36.7	39.5	42.0	44.0	45.6	46.7	47.4	47.6	47.5	47.2
40	0.00	6.24	10.6	13.7	17.4	21.2	24.9	28.4	31.6	34.4	36.9	39.0	40.7	42.0	42.9	43.3	43.4	43.1	42.8
45	0.00	1.17	9.62	12.2	15.3	18.6	21.8	24.9	27.8	30.3	32.6	34.5	36.0	37.2	38.0	38.3	38.3	38.0	37.6
50	0.00	2.22	9.60	11.8	14.5	17.3	20.0	22.7	25.1	27.2	29.1	30.6	31.9	32.7	33.3	33.3	33.1	32.7	32.5
55	0.00	0.01	8.43	10.6	12.6	14.9	17.1	19.2	21.2	22.9	24.4	25.6	26.6	27.3	27.7	27.7	27.4	27.0	26.6
60	0.00	0.00	8.49	10.1	11.6	13.3	15.0	16.6	18.0	19.2	20.3	21.1	21.7	22.0	22.1	21.9	21.5	21.0	20.8
65	0.00	0.00	3.86	8.37	10.1	11.1	12.2	13.2	14.1	14.9	15.4	15.8	16.1	16.1	15.9	15.6	15.1	14.6	14.3
70	0.00	0.00	1.39	7.71	8.91	9.37	9.86	10.3	10.6	10.7	10.8	10.7	10.5	10.1	9.67	9.12	8.49	7.96	7.93
75	0.00	0.00	0.04	3.47	4.41	5.38	7.61	7.64	7.34	6.96	6.45	5.84	5.26	5.10	4.89	4.62	4.31	4.02	3.94
80	0.00	0.00	0.00	0.00	0.00	2.80	5.49	4.91	3.99	2.99	1.90	0.75	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:25.5DEG
Operators:QC1
Test Date:2024-04-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:66%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2436A P:5.846W PF:1.000 Lamp Flux:186.08lx1 lm		
NAME: 8.02.019.0082 LLS-OP-W30A-L3-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION 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	0.00	0.00	0.00	0.00	0.00	0.00	1.37	3.01	4.52	5.87	7.03	8.00	8.76	8.46	3.25	0.00	0.00	0.00
-75	1.79	2.39	3.09	3.78	4.43	5.01	6.03	7.31	8.44	9.40	10.1	10.7	11.0	10.9	6.43	0.42	0.00	0.00
-70	3.78	5.05	6.46	7.83	9.10	10.2	11.2	12.1	12.8	13.3	13.5	13.5	13.3	12.6	6.83	0.06	0.00	0.00
-65	10.1	11.2	12.5	13.7	14.7	15.6	16.3	16.7	17.0	17.1	16.9	16.5	15.8	14.9	10.6	2.17	0.00	0.00
-60	16.8	17.8	19.0	20.0	20.8	21.3	21.5	21.6	21.4	20.9	20.2	19.2	18.0	16.5	10.9	1.73	0.00	0.00
-55	22.6	23.6	24.6	25.6	26.3	26.6	26.7	26.4	26.0	25.2	24.1	22.8	21.1	19.2	15.8	5.76	0.00	0.00
-50	28.8	29.7	30.7	31.5	32.0	32.0	31.8	31.2	30.3	29.1	27.5	25.7	23.5	21.0	18.1	5.60	0.00	0.00
-45	34.0	34.8	35.7	36.3	36.7	36.6	36.2	35.4	34.2	32.7	30.8	28.6	26.1	23.2	20.1	11.8	0.07	0.00
-40	39.5	40.2	40.9	41.4	41.5	41.1	40.3	39.2	37.6	35.6	33.3	30.6	27.5	24.2	20.5	11.8	0.00	0.00
-35	44.1	44.6	45.2	45.6	45.6	45.1	44.2	42.8	41.1	38.9	36.3	33.4	30.0	26.3	22.4	17.3	1.23	0.00
-30	48.7	49.2	49.7	49.8	49.6	48.8	47.6	45.9	43.8	41.2	38.2	34.9	31.1	26.9	22.6	17.9	0.24	0.00
-25	52.5	52.7	53.2	53.3	52.9	52.0	50.5	48.7	46.3	43.6	40.4	36.8	32.8	28.4	23.7	19.0	5.74	0.00
-20	56.3	56.5	56.7	56.6	55.9	54.6	52.8	50.6	47.9	44.7	41.1	37.1	32.7	28.0	23.0	18.0	3.12	0.00
-15	59.0	59.0	59.2	59.0	58.3	57.1	55.2	52.9	50.1	46.9	43.2	39.1	34.6	29.8	24.6	19.4	11.8	0.00
-10	61.6	61.7	61.7	61.3	60.4	58.8	56.8	54.2	51.1	47.6	43.7	39.4	34.6	29.5	24.1	18.7	11.9	0.00
-5	62.8	62.7	62.8	62.5	61.6	60.1	58.0	55.5	52.4	48.9	45.0	40.6	35.9	30.8	25.3	19.8	14.4	0.00
0	63.9	63.8	63.8	63.4	62.3	60.6	58.3	55.6	52.4	48.7	44.6	40.1	35.1	29.9	24.4	18.8	13.4	0.00
5	63.5	63.3	63.4	63.1	62.1	60.6	58.5	55.9	52.8	49.3	45.3	40.9	36.1	30.9	25.5	19.9	14.5	0.00
10	62.8	62.9	62.9	62.5	61.5	59.9	57.7	55.1	51.9	48.3	44.3	39.9	35.0	29.8	24.4	18.8	13.5	0.00
15	60.7	60.7	60.9	60.7	59.9	58.6	56.6	54.2	51.3	47.9	44.1	39.9	35.2	30.2	25.0	19.6	14.4	0.19
20	58.5	58.7	58.9	58.7	57.9	56.6	54.7	52.3	49.4	46.1	42.3	38.1	33.5	28.6	23.4	18.2	13.2	0.00
25	55.0	55.3	55.6	55.6	55.1	54.1	52.5	50.4	47.9	44.9	41.4	37.6	33.3	28.7	23.8	18.9	14.0	0.60
30	51.6	52.0	52.4	52.4	52.0	51.0	49.5	47.6	45.2	42.4	39.1	35.4	31.3	26.9	22.3	17.5	12.9	0.00
35	47.2	47.7	48.3	48.5	48.3	47.6	46.5	44.9	42.8	40.4	37.5	34.2	30.5	26.4	22.2	17.8	13.5	0.70
40	42.9	43.6	44.2	44.5	44.5	43.9	42.9	41.4	39.5	37.2	34.6	31.5	28.0	24.3	20.4	16.4	12.4	0.00
45	37.8	38.5	39.3	39.8	40.0	39.7	39.0	37.9	36.4	34.6	32.3	29.7	26.8	23.5	20.1	16.4	12.9	0.47
50	32.9	33.8	34.7	35.3	35.5	35.3	34.8	33.9	32.7	31.1	29.1	26.9	24.3	21.4	18.3	15.1	11.7	0.00
55	27.0	27.9	29.0	29.8	30.3	30.5	30.3	29.8	29.0	27.9	26.4	24.6	22.6	20.2	17.6	14.9	12.0	0.19
60	21.4	22.5	23.7	24.6	25.3	25.7	25.7	25.5	25.0	24.1	23.0	21.6	20.0	18.0	15.9	13.6	9.74	0.00
65	14.9	16.0	17.3	18.5	19.4	20.1	20.6	20.8	20.7	20.4	19.8	19.0	17.9	16.5	14.9	13.2	9.91	0.00
70	8.75	10.0	11.4	12.7	13.9	14.8	15.6	16.1	16.4	16.4	16.3	15.9	15.3	14.4	13.3	12.0	6.15	0.00
75	4.26	4.88	5.57	6.26	7.65	8.99	10.2	11.2	12.0	12.6	13.0	13.1	13.1	12.7	12.2	11.0	5.37	0.00
80	0.00	0.00	0.00	0.27	2.00	3.66	5.20	6.61	7.85	8.89	9.72	10.3	10.7	10.9	10.9	8.88	1.19	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:25.5DEG
Operators:QC1
Test Date:2024-04-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:66%
Test Distance:8.300m [K=1.0000]
Remarks: