

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	295.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	149.6V x 178.8H
	At 50% of Imax	109.0V x 146.6H
	At 90% of Imax	55.5V x 91.8H

Beam Flux	Total	997.5 lumens per klm.
	To 10% of Imax	991.7 lumens per klm.
	To 50% of Imax	823.4 lumens per klm.
	To 90% of Imax	302.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

Luminaire Efficiency(Light Output Ratio)	100.0 %
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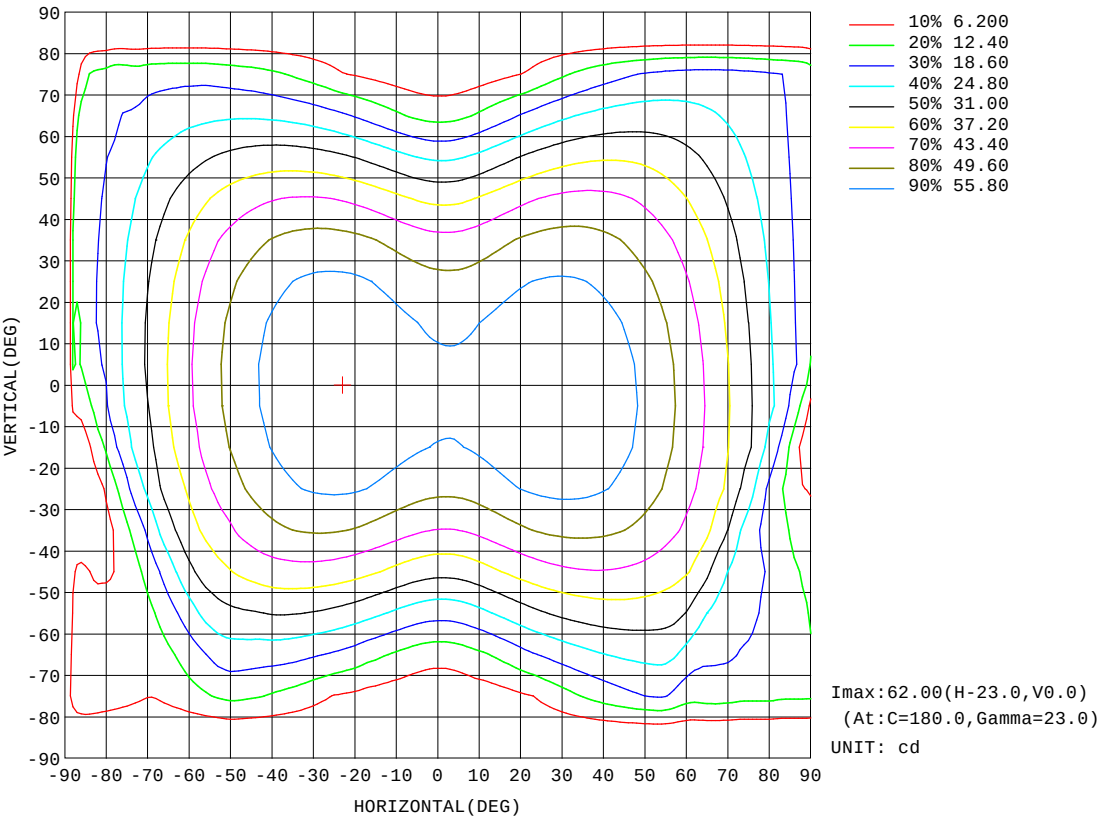
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-03

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:

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:24.00V I:0.6145A P:14.75W PF:1.000 Lamp Flux:209.5x1 lm		
NAME: LLS-0P-W20A-DMX-24V(2号材料)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090003
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

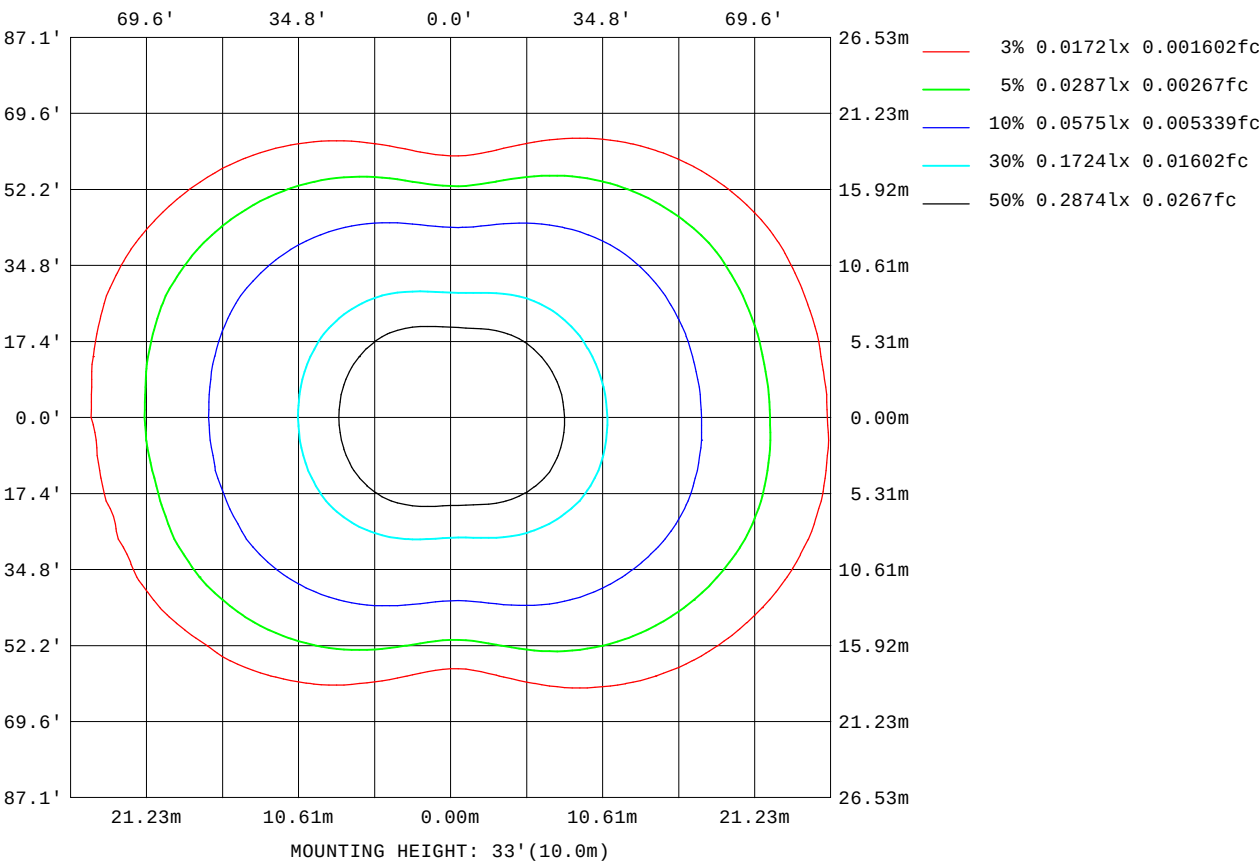


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-03

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:24.00V I:0.6145A P:14.75W PF:1.000 Lamp Flux:209.5x1 lm		
NAME: LLS-0P-W20A-DMX-24V(2号材料)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090003
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

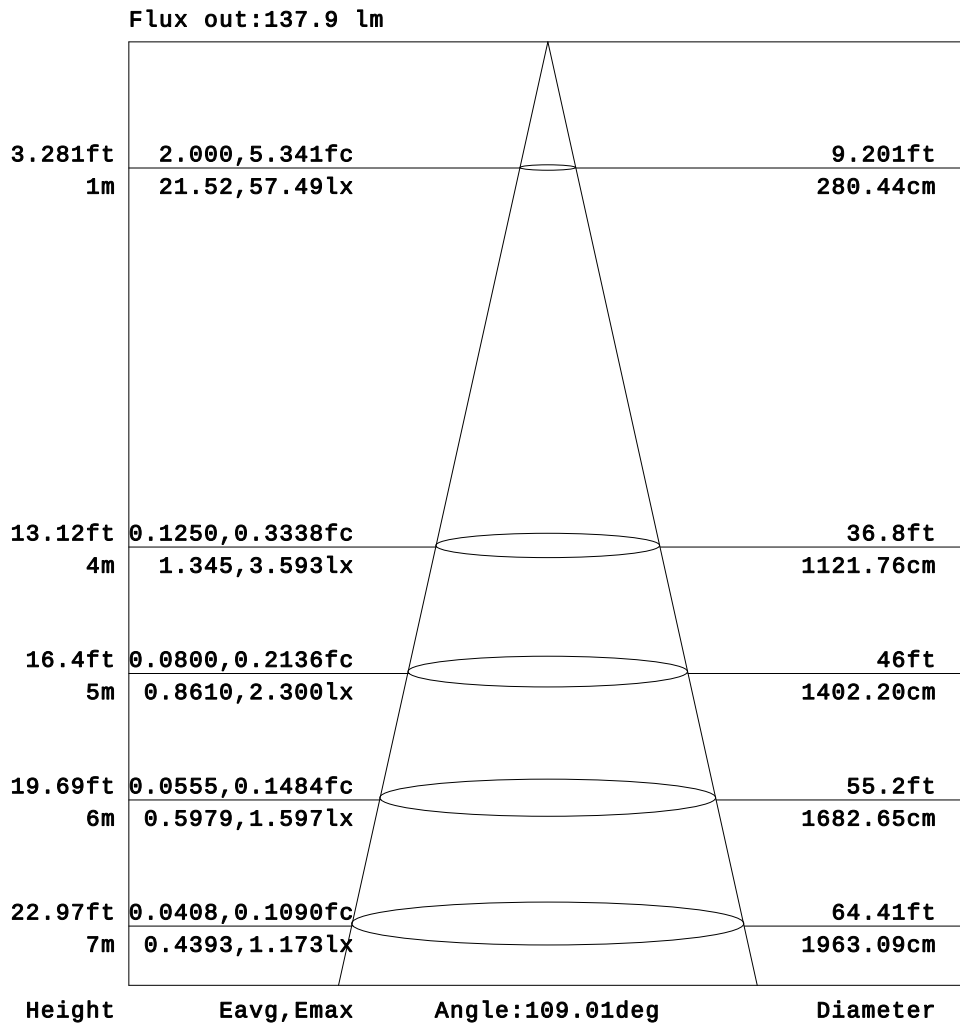


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-03

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:24.00V I:0.6145A P:14.75W PF:1.000 Lamp Flux:209.5x1 lm		
NAME: LLS-0P-W20A-DMX-24V(2号材料)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090003
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

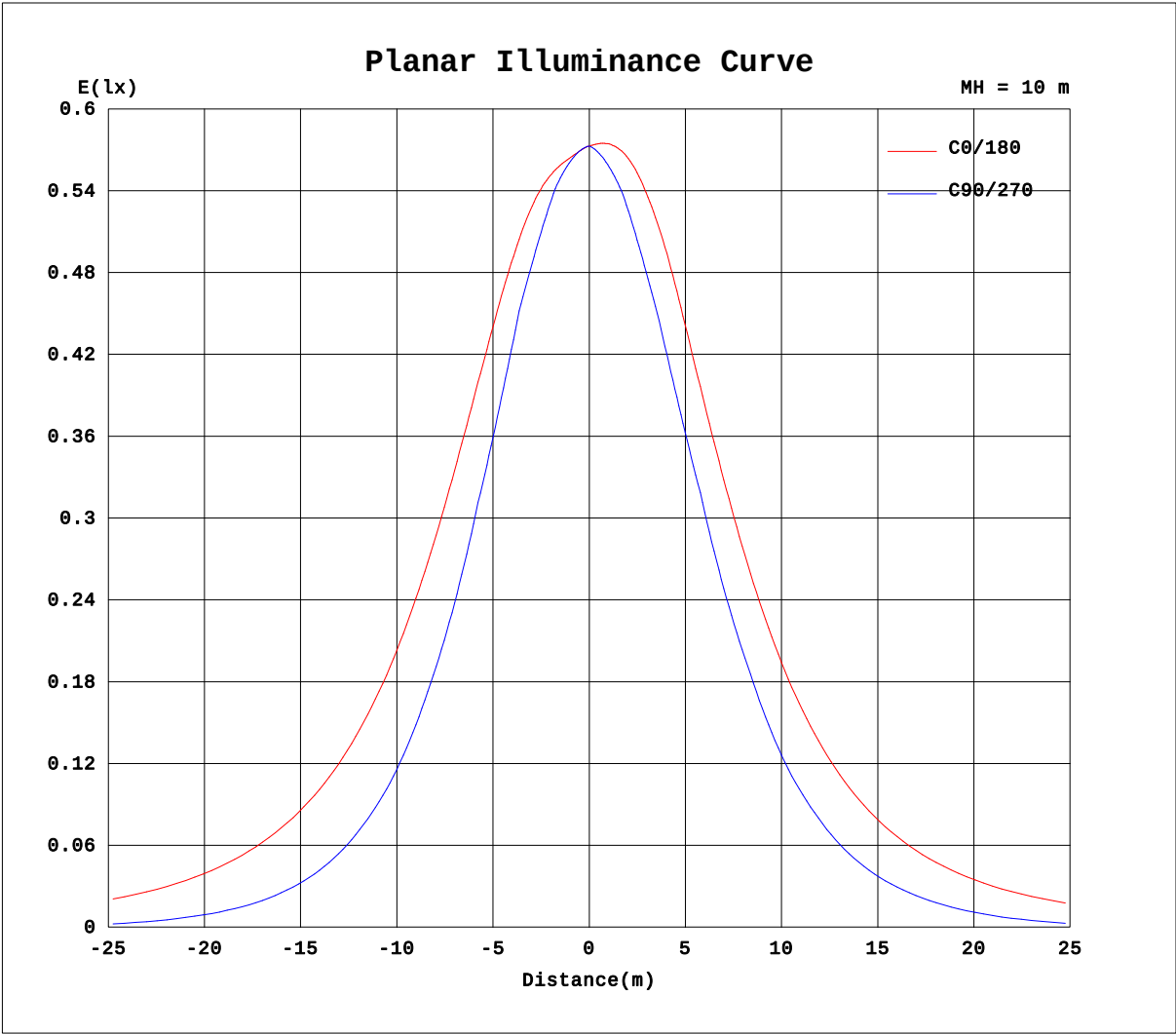


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-03

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:2024-09-03

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:24.00V I:0.6145A P:14.75W PF:1.000 Lamp Flux:209.5x1 lm		
NAME: LLS-0P-W20A-DMX-24V(2号材料)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090003
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	3.39	11.4	10.1	8.31	6.21	6.65	7.92	9.21	10.2	9.20	7.43	5.22	2.73	0.00	0.00	0.00	0.00	0.00	0.00
-75	2.12	11.1	9.82	8.18	6.45	7.85	10.1	12.2	14.0	13.2	11.8	10.2	8.09	5.95	5.02	3.82	2.81	1.79	1.32
-70	0.85	10.9	9.51	8.05	6.70	9.04	12.2	15.2	17.8	17.1	16.1	15.2	13.5	11.9	10.0	7.63	5.62	3.59	2.64
-65	0.42	10.4	9.07	7.72	7.73	11.2	15.2	19.3	21.8	21.5	21.3	20.6	19.3	17.8	16.0	13.7	11.6	9.56	8.61
-60	0.00	9.87	8.63	7.38	8.77	13.4	18.2	23.3	25.7	25.9	26.4	26.1	25.1	23.7	21.9	19.8	17.5	15.5	14.6
-55	0.00	8.94	8.01	6.91	10.5	16.0	21.9	27.4	29.7	30.5	31.4	31.3	30.7	29.6	27.9	25.9	23.8	21.8	20.8
-50	0.00	8.01	7.40	6.44	12.2	18.6	25.6	31.4	33.8	35.2	36.4	36.6	36.2	35.4	34.0	32.1	30.0	28.1	27.1
-45	0.00	6.68	5.51	7.82	14.5	21.8	29.5	34.3	36.9	39.2	40.7	41.3	41.2	40.6	39.4	37.7	35.7	33.8	32.8
-40	0.00	5.35	3.62	9.21	16.7	25.1	33.4	37.1	40.1	43.3	45.1	46.0	46.2	45.9	44.8	43.2	41.3	39.5	38.5
-35	0.00	3.18	4.28	11.3	19.8	28.6	35.1	39.1	42.6	46.0	48.2	49.6	50.2	50.1	49.3	47.8	46.0	44.2	43.2
-30	0.00	1.01	4.94	13.3	22.9	32.2	36.8	41.1	45.1	48.7	51.3	53.1	54.2	54.3	53.7	52.4	50.7	49.0	48.0
-25	0.00	1.17	7.02	17.0	26.1	33.5	38.1	43.0	47.0	50.5	53.2	55.2	56.4	56.8	56.4	55.2	53.7	52.1	51.2
-20	0.00	1.32	9.11	20.7	29.4	34.9	39.4	45.0	48.9	52.3	55.1	57.2	58.5	59.2	59.1	58.1	56.7	55.3	54.5
-15	0.00	3.69	13.3	22.8	29.5	35.8	40.7	45.8	49.8	53.3	56.1	58.2	59.5	60.3	60.1	59.1	57.8	56.4	55.6
-10	0.00	6.06	17.4	24.8	29.6	36.8	42.0	46.7	50.8	54.2	57.0	59.1	60.5	61.3	61.1	60.1	58.8	57.5	56.7
-5	0.00	9.98	17.8	25.6	30.8	37.2	42.4	47.1	51.1	54.6	57.4	59.4	60.8	61.6	61.4	60.5	59.2	57.8	57.0
0	0.00	13.9	18.1	26.3	32.0	37.6	42.8	47.5	51.5	55.0	57.7	59.7	61.1	61.9	61.8	60.8	59.5	58.1	57.3
5	0.00	14.4	19.2	26.2	31.9	37.5	42.7	47.3	51.4	54.8	57.5	59.5	60.8	61.6	61.4	60.4	59.0	57.7	56.8
10	0.00	15.0	20.4	26.1	31.8	37.3	42.5	47.2	51.2	54.6	57.3	59.2	60.5	61.2	61.0	60.0	58.6	57.2	56.2
15	0.00	15.5	20.4	26.1	31.6	37.1	42.1	46.7	50.6	53.8	56.4	58.3	59.5	60.1	59.9	58.8	57.3	55.9	54.9
20	0.00	16.1	20.5	26.1	31.4	36.8	41.7	46.2	49.9	53.1	55.6	57.4	58.5	59.0	58.8	57.6	56.1	54.6	53.6
25	0.00	16.0	20.4	25.6	30.7	35.9	40.6	44.9	48.6	51.7	54.1	55.8	56.8	57.1	56.7	55.5	53.9	52.4	51.4
30	0.00	15.8	20.2	25.2	30.0	34.9	39.5	43.7	47.3	50.2	52.5	54.1	55.1	55.2	54.7	53.4	51.8	50.1	49.1
35	0.00	15.4	20.1	24.7	29.1	33.7	38.0	41.9	45.2	47.8	49.8	51.2	51.8	51.8	51.0	49.7	47.9	46.2	45.2
40	0.00	15.0	20.0	24.1	28.3	32.5	36.5	40.1	43.1	45.5	47.2	48.2	48.6	48.3	47.4	45.9	44.0	42.3	41.3
45	0.00	14.8	19.4	23.1	27.0	30.6	34.1	37.2	39.7	41.6	43.0	43.7	43.8	43.3	42.1	40.5	38.6	36.7	35.7
50	0.00	14.5	18.8	22.0	25.6	28.8	31.7	34.3	36.3	37.8	38.8	39.2	39.0	38.2	36.9	35.1	33.1	31.2	30.2
55	0.00	14.9	18.4	21.2	24.1	26.6	28.9	30.8	32.3	33.4	33.9	33.9	33.4	32.4	30.9	28.9	26.7	24.8	23.8
60	0.00	15.4	18.0	20.4	22.5	24.4	26.0	27.3	28.3	28.9	29.0	28.7	27.9	26.6	24.8	22.7	20.4	18.4	17.4
65	0.00	15.5	16.1	18.9	20.8	21.9	23.0	23.7	24.1	24.1	23.8	23.0	21.8	20.2	18.2	15.8	13.4	11.3	10.3
70	0.00	15.7	14.2	17.4	19.0	19.3	20.1	20.0	19.8	19.3	18.5	17.3	15.7	13.7	11.5	8.99	6.42	4.20	3.20
75	0.00	10.7	14.4	15.7	16.1	16.7	16.8	16.6	15.8	14.9	13.5	11.8	9.75	7.40	5.75	4.49	3.21	2.10	1.60
80	0.00	5.75	14.7	14.0	13.2	14.1	13.5	13.2	11.7	10.4	8.48	6.22	3.80	1.05	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:2024-09-03

V(β) Range:-80 - 80DEG
V(β) 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:24.00V I:0.6145A P:14.75W PF:1.000 Lamp Flux:209.5x1 lm																	
NAME: LLS-0P-W20A-DMX-24V(2号材料)									TYPE:LED						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:2024090003		
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	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
-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
-80	0.00	0.00	0.00	0.00	1.45	4.68	7.64	10.3	12.8	14.7	14.8	11.3	12.2	11.9	12.3	12.8	13.3
-75	1.74	2.71	3.81	5.32	7.30	10.1	12.7	15.0	17.0	18.6	18.8	15.2	15.2	15.0	14.1	14.1	13.4
-70	3.48	5.43	7.62	10.6	13.1	15.5	17.7	19.6	21.3	22.5	22.9	19.0	18.2	18.1	16.0	15.4	13.5
-65	9.34	11.3	13.7	16.6	19.0	21.2	23.1	24.6	25.7	26.4	26.5	22.7	19.9	19.5	17.8	15.8	14.1
-60	15.2	17.2	19.9	22.5	24.9	26.9	28.5	29.6	30.2	30.4	30.2	26.4	21.7	20.9	19.6	16.2	14.6
-55	21.4	23.3	25.8	28.3	30.5	32.2	33.5	34.2	34.5	34.3	33.5	30.8	24.8	21.8	20.2	17.0	14.4
-50	27.5	29.3	31.7	34.0	36.0	37.5	38.5	38.9	38.8	38.1	36.9	35.2	28.0	22.8	20.9	17.8	14.2
-45	33.1	34.8	37.0	39.2	41.0	42.3	43.0	43.1	42.7	41.7	40.0	37.8	32.2	24.7	20.7	17.7	13.5
-40	38.7	40.3	42.4	44.4	46.0	47.1	47.5	47.3	46.6	45.2	43.1	40.4	36.5	26.7	20.6	17.7	12.8
-35	43.4	44.8	46.8	48.7	50.2	51.0	51.2	50.7	49.6	47.9	45.4	42.3	38.4	31.0	22.2	16.6	12.1
-30	48.1	49.4	51.3	53.0	54.3	55.0	54.9	54.1	52.7	50.6	47.7	44.2	40.2	35.3	23.8	15.6	11.4
-25	51.3	52.5	54.3	55.9	57.0	57.4	57.2	56.1	54.4	52.0	49.0	45.3	41.1	36.1	27.6	17.4	9.62
-20	54.5	55.6	57.3	58.7	59.6	59.9	59.4	58.2	56.1	53.5	50.2	46.4	41.9	37.0	31.5	19.2	7.84
-15	55.6	56.7	58.2	59.7	60.5	60.7	60.1	58.8	56.8	54.1	50.9	47.0	42.5	37.4	31.9	22.8	11.7
-10	56.8	57.8	59.2	60.6	61.4	61.5	60.9	59.5	57.5	54.8	51.5	47.6	43.0	37.8	32.2	26.4	15.6
-5	57.0	58.0	59.4	60.7	61.4	61.5	60.9	59.5	57.5	54.8	51.4	47.5	42.9	37.7	32.1	26.2	18.0
0	57.2	58.2	59.6	60.8	61.5	61.6	60.9	59.6	57.5	54.7	51.4	47.4	42.8	37.6	31.9	26.0	20.4
5	56.7	57.6	59.1	60.3	61.0	61.1	60.4	59.1	57.1	54.4	51.1	47.1	42.5	37.4	31.8	25.9	20.3
10	56.2	57.1	58.5	59.8	60.5	60.5	59.9	58.6	56.6	54.0	50.7	46.8	42.3	37.2	31.6	25.8	20.2
15	54.9	55.8	57.2	58.5	59.2	59.3	58.8	57.5	55.6	53.0	49.8	45.9	41.5	36.5	31.0	25.3	19.9
20	53.5	54.4	55.9	57.2	58.0	58.1	57.6	56.4	54.5	51.9	48.8	45.0	40.7	35.7	30.4	24.9	19.7
25	51.3	52.3	53.8	55.2	56.1	56.4	55.9	54.8	53.0	50.6	47.6	44.0	39.7	35.0	29.9	24.6	19.6
30	49.1	50.2	51.8	53.3	54.3	54.6	54.3	53.2	51.5	49.3	46.4	42.9	38.8	34.3	29.4	24.3	19.5
35	45.3	46.6	48.4	50.1	51.3	51.8	51.7	50.8	49.3	47.2	44.4	41.1	37.3	33.0	28.4	23.7	19.2
40	41.5	42.9	45.0	46.9	48.3	49.1	49.2	48.5	47.1	45.1	42.5	39.3	35.7	31.7	27.4	23.1	18.9
45	36.0	37.6	39.8	41.9	43.6	44.7	45.1	44.9	43.9	42.3	40.1	37.3	34.0	30.4	26.5	22.5	18.8
50	30.6	32.3	34.7	37.0	38.8	40.3	41.1	41.2	40.8	39.6	37.7	35.2	32.3	29.0	25.5	22.0	18.7
55	24.3	26.2	28.7	31.2	33.3	34.9	36.0	36.5	36.5	35.8	34.5	32.6	30.2	27.4	24.4	21.3	18.5
60	18.0	20.1	22.7	25.4	27.7	29.6	30.9	31.8	32.2	32.1	31.4	30.0	28.1	25.7	23.2	20.7	18.3
65	11.0	13.3	16.1	18.9	21.4	23.6	25.3	26.6	27.4	27.8	27.7	26.9	25.7	24.1	22.2	20.2	18.3
70	4.03	6.42	9.39	12.4	15.2	17.6	19.7	21.4	22.6	23.5	23.9	23.9	23.4	22.5	21.2	19.8	18.3
75	2.01	3.21	4.70	6.20	8.72	11.5	13.9	16.0	17.7	19.1	20.0	20.6	20.8	20.6	20.0	19.2	18.2
80	0.00	0.00	0.00	0.00	2.27	5.33	8.11	10.6	12.8	14.6	16.2	17.4	18.3	18.8	18.9	18.6	18.1
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
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-03

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: