



Test Report Number:	LCZP23030336	Total Page:11 Version:1.0
Applicant Name:	MAXIM LIGHTING	
Contact Information:	(0769) 8564 1001	
Test item:	PORTSIDE 10" OUTDOOR WALL SCONCE	
Model / Type Reference:	10182	
Date of Issue:	2023-03-31	
Testing Laboratory:	LCTECH Guangdong Testing Services Co., Ltd. 2/F., Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China Tel:+86-760-22833366 E-mail:Service@lccert.com http://www.lccert.com	
Test Sites:	1/F., Building I, Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China	
Test Specification:	Photometric test (According to IES LM-79-08)	
Report Template No.:	LC-RT-PL-006 Rev.2.0	
Test Result:	See the following pages	
Compiled by:	Reviewed by:	
2023-03-31 Fish Tan	2023-03-31 Lin Qiu	
_____	_____	
Date Name Signature	Date Name Signature	
Remark:		
N/A		
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Sample Description

Luminaire Type	PORTSIDE 10" OUTDOOR WALL SCONCE	Model/Type	10182
Input Type	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC	Rated Voltage	120VAC, 60Hz
Rated Wattage	9 W	Lamp Rated Flux	810 lm
Lamp Type	LED Bulb	Lamp Model	BL9E26FT120V30
Power Supply Type	Integrated in lamp	Power Supply Model	Not Provided
Luminous Length	N/A	Luminous Width	N/A
Luminous Diameter	200 mm	Luminous Height	100 mm
Sample Code of lab.	230331105001		

Test Condition

Temperature	25.0°C	Humidity	65%
Test Equipment	LC-I-902 GMS-2000	Test Mode	C-Gamma
Test Date	2023-03-31	Test Method	Absolutely photometric
Azimuth (C)	15	Elevation (Gamma)	5
Test distance	29.97 m	Uncertainty	Considered
Stabilization	2 hours		

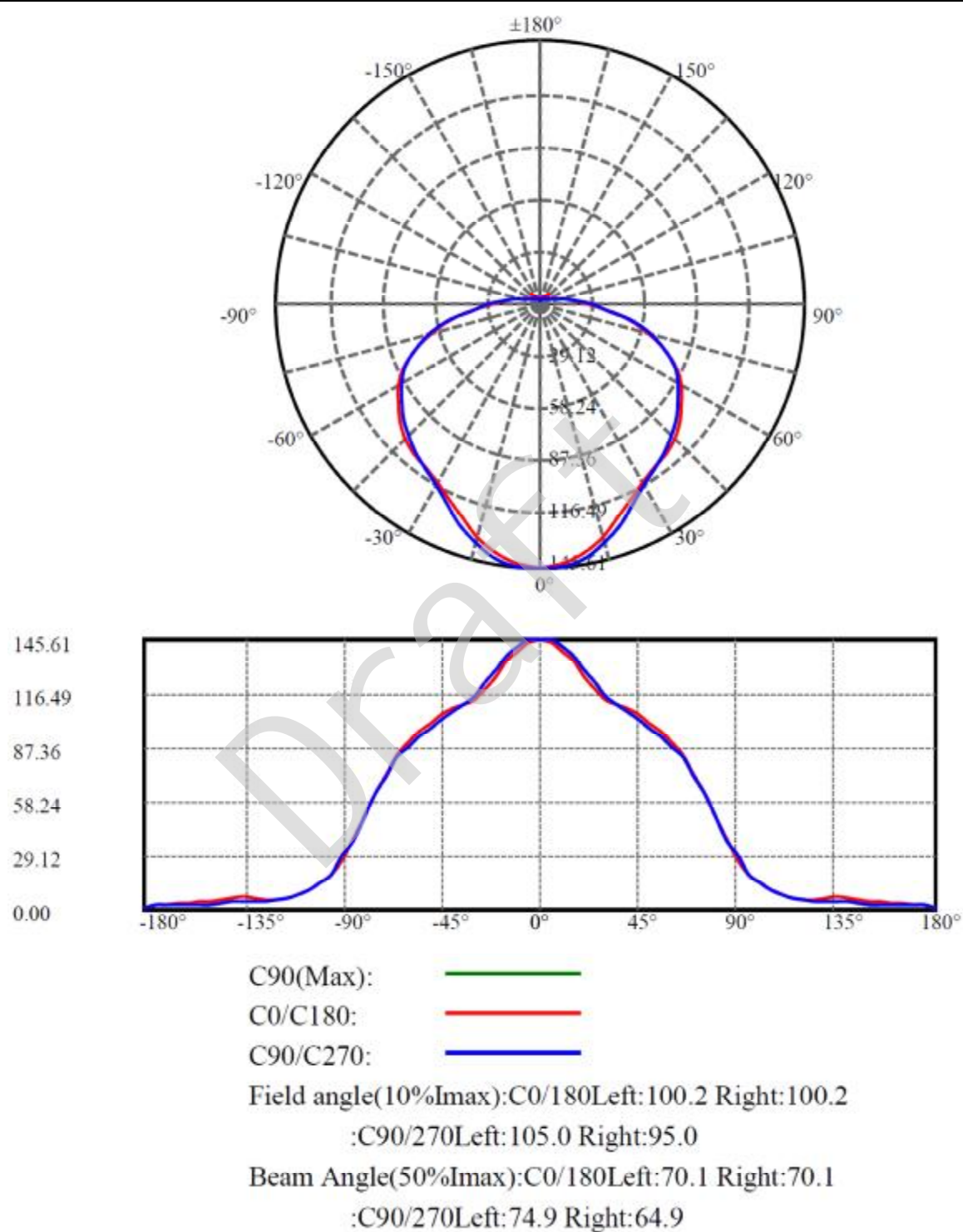
Characteristics

Input Voltage	120.04 V	Input Current	0.070 A
Wattage	7.94 W	Power Factor	0.950
Total lumens	582.84 lm	Luminous Efficacy	73.41 lm/W
Luminaire Efficiency	100%	Central Intensity	145.336 cd
Max intensity	145.607 cd	Angle of max intensity	C=90,Gamma=5
Maximum S/H	C0_180= 1.17 C90_270= 1.19	CIE Type	Direct lighting

Luminance Data (cd/m²)

Gamma	45	50	55	60	65	70	75	80	85
C0	2887	2829	2778	2730	2641	2466	2285	2020	1672
C45	2845	2760	2709	2678	2614	2459	2266	1991	1652
C90	2813	2752	2702	2666	2609	2457	2269	1996	1648

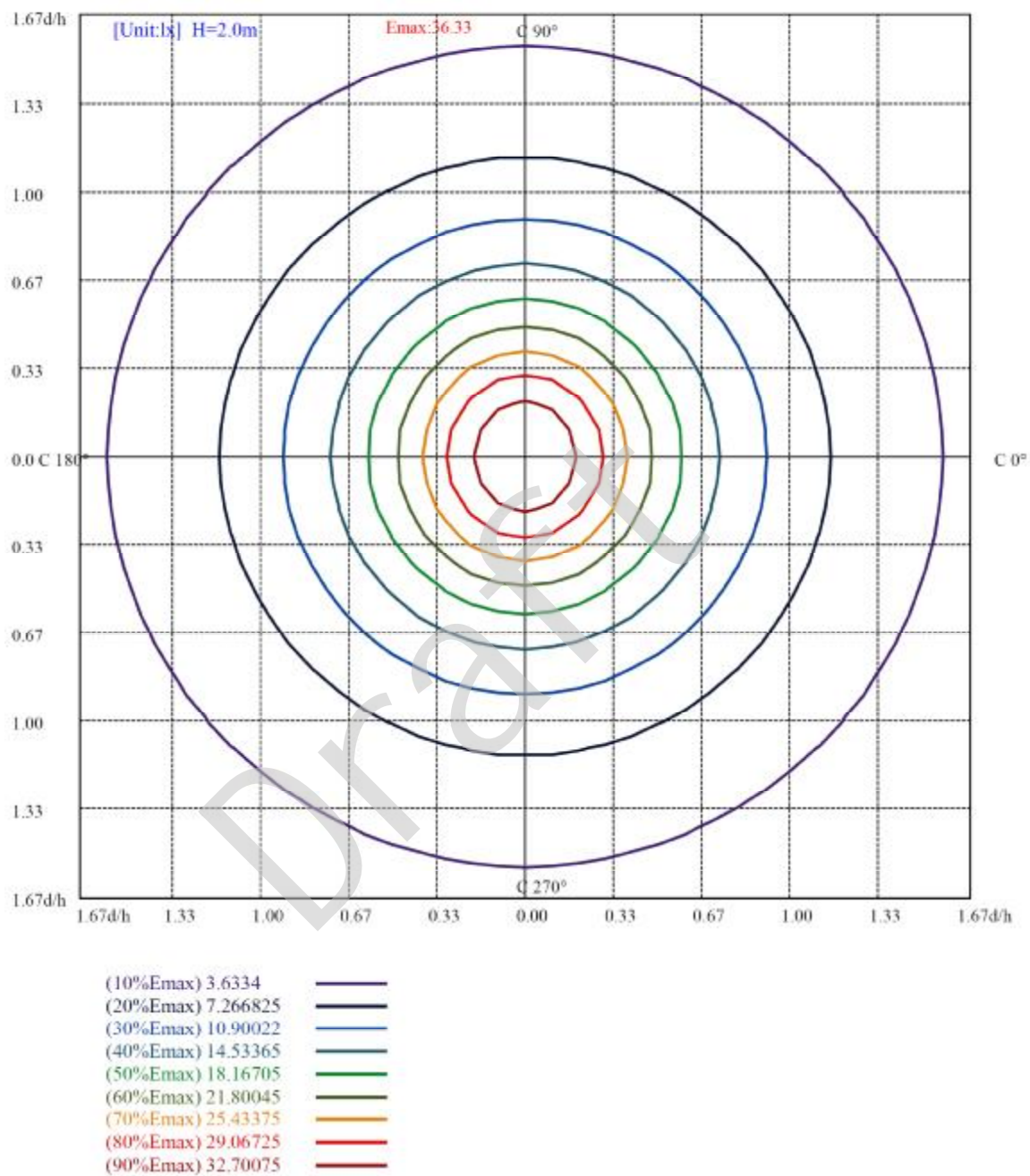
Light Distribution Curve(cd)



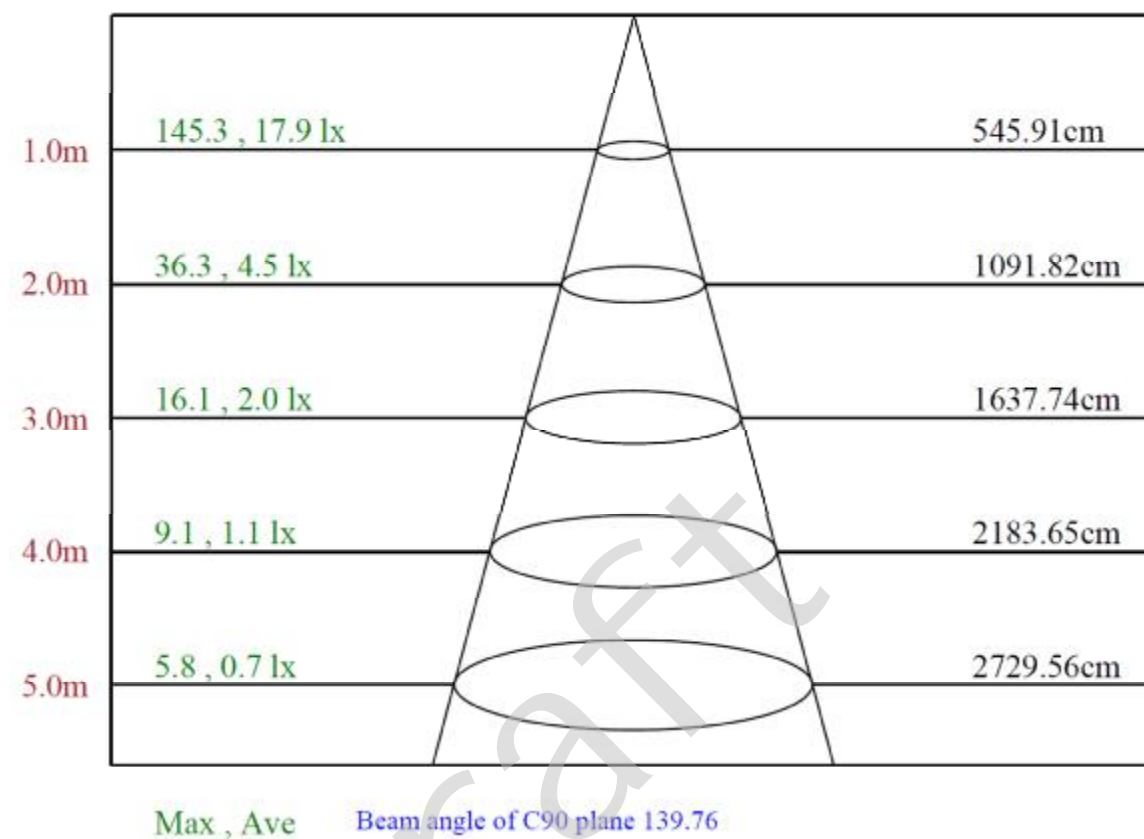
Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	145.336	0.000	0	0.00%	0.00%
5.0	144.988	3.471	3.471	0.60%	0.60%
10.0	140.722	10.221	13.692	1.75%	2.35%
15.0	134.433	16.322	30.014	2.80%	5.15%
20.0	127.740	21.607	51.62	3.71%	8.86%
25.0	119.867	25.969	77.59	4.46%	13.31%
30.0	113.637	29.550	107.14	5.07%	18.38%
35.0	109.983	32.930	140.07	5.65%	24.03%
40.0	107.364	36.263	176.332	6.22%	30.25%
45.0	103.474	39.038	215.371	6.70%	36.95%
50.0	98.492	40.810	256.181	7.00%	43.95%
55.0	93.398	41.723	297.905	7.16%	51.11%
60.0	88.640	42.078	339.982	7.22%	58.33%
65.0	82.167	41.523	381.506	7.12%	65.46%
70.0	72.615	39.192	420.697	6.72%	72.18%
75.0	62.385	35.287	455.984	6.05%	78.23%
80.0	50.161	30.114	486.099	5.17%	83.40%
85.0	37.415	23.797	509.895	4.08%	87.48%
90.0	26.269	17.437	527.332	2.99%	90.48%
95.0	19.090	12.419	539.752	2.13%	92.61%
100.0	14.584	9.150	548.902	1.57%	94.18%
105.0	10.786	6.788	555.69	1.16%	95.34%
110.0	8.256	4.977	560.667	0.85%	96.20%
115.0	6.726	3.793	564.461	0.65%	96.85%
120.0	5.775	3.039	567.5	0.52%	97.37%
125.0	5.325	2.566	570.065	0.44%	97.81%
130.0	5.469	2.347	572.412	0.40%	98.21%
135.0	5.950	2.307	574.719	0.40%	98.61%
140.0	5.770	2.170	576.889	0.37%	98.98%
145.0	4.891	1.779	578.668	0.31%	99.28%
150.0	4.158	1.332	580	0.23%	99.51%
155.0	3.706	0.995	580.996	0.17%	99.68%
160.0	3.412	0.747	581.742	0.13%	99.81%
165.0	3.067	0.534	582.276	0.09%	99.90%
170.0	2.757	0.345	582.622	0.06%	99.96%
175.0	2.286	0.180	582.802	0.03%	99.99%
180.0	0.867	0.038	582.84	0.01%	100.00%

ISO illuminance diagram(Lux)



Lux distance Curve



Utilization factor table

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC-20 CU															
0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	0.99	0.99	0.99	0.93	0.93	0.93	0.90
1	0.97	0.92	0.87	0.94	0.89	0.84	0.88	0.84	0.80	0.82	0.79	0.76	0.77	0.74	0.72	0.69
2	0.83	0.75	0.68	0.80	0.72	0.66	0.75	0.68	0.63	0.70	0.65	0.60	0.65	0.61	0.57	0.55
3	0.71	0.62	0.55	0.69	0.60	0.54	0.65	0.57	0.51	0.60	0.54	0.49	0.57	0.52	0.47	0.44
4	0.63	0.53	0.45	0.61	0.51	0.44	0.57	0.49	0.43	0.53	0.47	0.41	0.50	0.44	0.40	0.37
5	0.55	0.46	0.38	0.54	0.45	0.38	0.50	0.42	0.36	0.47	0.40	0.35	0.44	0.39	0.34	0.31
6	0.50	0.40	0.33	0.48	0.39	0.32	0.45	0.37	0.31	0.43	0.36	0.30	0.40	0.34	0.29	0.27
7	0.45	0.35	0.29	0.43	0.35	0.28	0.41	0.33	0.28	0.39	0.32	0.27	0.36	0.30	0.26	0.24
8	0.41	0.32	0.25	0.39	0.31	0.25	0.37	0.30	0.24	0.35	0.29	0.24	0.33	0.27	0.23	0.21
9	0.37	0.29	0.23	0.36	0.28	0.22	0.34	0.27	0.22	0.32	0.26	0.21	0.31	0.25	0.21	0.19
10	0.34	0.26	0.20	0.33	0.25	0.20	0.32	0.25	0.20	0.30	0.24	0.19	0.29	0.23	0.19	0.17

Intensity data(cd)

$C/\gamma(^{\circ})$	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	145.34	145.77	144.20	138.27	131.63	125.70	119.06	114.44	112.69
15.0	145.34	145.51	142.49	135.92	129.79	122.95	116.46	112.64	111.22
30.0	145.34	144.71	141.05	133.98	127.91	120.04	113.43	110.83	109.58
45.0	145.34	143.72	138.97	132.25	125.89	117.11	111.20	108.96	106.81
60.0	145.34	143.18	137.53	130.88	123.88	115.89	110.86	108.35	105.75
75.0	145.34	142.73	136.16	129.42	122.22	113.86	108.82	106.30	104.42
90.0	145.34	142.72	135.68	129.01	121.52	112.95	108.53	106.00	102.75
105.0	145.34	142.53	135.57	128.53	120.66	112.08	107.29	104.94	102.68
120.0	145.34	142.71	135.56	128.95	120.89	111.65	107.21	105.04	102.87
135.0	145.34	142.89	135.91	129.03	122.23	113.17	108.19	105.74	103.48
150.0	145.34	143.34	136.91	129.93	123.41	113.62	107.73	105.11	103.48
165.0	145.34	144.16	138.53	131.63	124.91	115.02	108.48	106.30	104.94
180.0	145.34	141.76	134.43	128.75	120.02	111.47	107.63	106.32	103.79
195.0	145.34	143.29	136.90	131.30	124.10	114.15	109.54	108.20	105.98
210.0	145.34	145.07	140.06	134.25	127.19	117.00	111.01	108.87	106.37
225.0	145.34	146.41	142.83	136.47	130.55	121.32	113.08	109.58	106.72
240.0	145.34	147.85	145.16	138.69	132.95	125.05	116.07	111.40	108.35
255.0	145.34	148.93	147.23	141.92	135.98	129.15	119.61	113.95	110.71
270.0	145.34	148.49	148.40	143.26	136.95	130.54	121.43	114.84	110.69
285.0	145.34	147.78	147.96	143.08	136.48	130.60	121.93	115.15	111.26
300.0	145.34	147.15	146.69	141.44	135.29	129.58	121.88	115.36	111.02
315.0	145.34	146.97	144.97	138.99	132.65	127.21	120.24	114.62	110.27
330.0	145.34	146.33	142.89	136.09	130.48	124.68	121.42	113.80	110.63
345.0	145.34	145.70	141.25	134.35	128.18	122.01	116.20	112.84	110.30
360.0	145.34	145.77	144.20	138.27	131.63	125.70	119.06	114.44	112.69
$C/\gamma(^{\circ})$	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	110.16	105.97	100.21	94.62	88.16	79.00	68.35	56.48	42.95
15.0	108.82	104.38	98.34	92.83	86.62	76.84	65.83	53.12	40.42
30.0	106.37	101.72	95.82	90.99	84.56	74.55	63.55	51.57	38.97
45.0	103.58	98.83	93.99	89.07	82.08	70.61	60.21	48.30	36.47
60.0	101.44	95.69	91.21	86.09	79.00	67.69	57.72	46.23	35.28
75.0	99.92	94.88	90.21	85.44	77.97	66.37	55.67	45.24	34.00
90.0	98.42	94.09	90.49	85.79	78.49	66.58	55.66	44.93	33.74
105.0	98.52	94.36	89.93	84.96	76.83	65.62	54.77	44.29	33.62
120.0	98.88	94.72	90.37	84.49	76.15	64.65	54.15	43.65	33.05
135.0	99.67	96.14	92.69	87.44	79.10	67.87	56.81	46.03	34.61
150.0	100.58	96.41	92.33	88.07	80.73	69.04	58.35	47.75	36.33
165.0	101.76	97.86	93.50	89.05	82.61	72.17	61.46	51.38	39.85
180.0	99.77	94.97	90.96	85.72	77.69	66.69	57.09	45.13	32.82
195.0	101.01	95.77	91.50	87.06	80.49	70.00	60.50	48.33	35.45
210.0	101.90	96.35	91.62	87.77	81.43	71.95	62.21	50.23	37.00
225.0	102.51	96.77	91.48	87.00	81.81	73.56	64.42	51.97	38.62
240.0	103.95	98.84	92.91	88.15	83.13	75.50	65.35	52.78	38.78
255.0	106.57	101.00	94.97	89.94	84.90	77.52	67.81	54.59	40.11
270.0	106.09	101.40	95.45	90.31	85.34	78.58	68.92	55.48	40.96
285.0	106.11	101.14	94.81	90.29	85.77	78.81	73.84	55.77	41.21
300.0	106.31	100.97	94.63	91.73	85.84	79.32	68.82	55.24	41.02
315.0	108.01	100.30	94.60	90.34	85.35	78.47	67.32	54.00	40.05
330.0	106.37	100.03	93.96	89.79	84.45	76.84	65.78	52.46	38.06
345.0	106.66	101.22	95.59	90.42	83.52	74.53	62.64	48.93	34.59
360.0	110.16	105.97	100.21	94.62	88.16	79.00	68.35	56.48	42.95

Intensity data(cd)

$C/\gamma(^{\circ})$	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	29.85	21.47	16.41	12.13	9.25	7.51	6.46	6.28	6.46
15.0	28.16	20.25	15.46	11.90	8.88	7.20	6.31	5.86	6.13
30.0	27.35	19.49	14.93	11.08	8.67	7.06	5.99	5.63	5.90
45.0	25.72	18.73	14.52	10.75	8.33	6.72	5.65	5.56	5.82
60.0	24.87	18.13	14.27	10.41	8.08	6.64	5.66	5.12	5.48
75.0	24.37	17.90	14.12	10.25	8.00	6.57	5.49	5.04	5.31
90.0	24.09	17.77	13.89	10.10	7.76	6.32	5.32	4.69	4.96
105.0	23.86	17.62	13.83	10.03	7.77	6.24	5.15	4.61	4.70
120.0	23.91	17.66	13.85	10.23	7.79	6.16	4.98	4.44	4.35
135.0	24.01	17.85	14.04	10.33	7.79	6.25	5.16	4.44	4.35
150.0	25.55	18.48	14.50	10.69	8.06	6.34	5.26	4.53	4.44
165.0	27.96	19.43	15.16	11.35	8.44	6.54	5.27	4.63	4.81
180.0	22.43	17.28	12.92	9.51	7.42	6.02	5.24	5.24	6.02
195.0	24.16	17.94	13.68	9.95	7.64	6.31	5.42	5.33	6.31
210.0	25.30	18.41	14.21	10.28	7.87	6.35	5.45	5.18	5.81
225.0	26.79	19.26	14.61	10.57	8.06	6.36	5.47	5.11	5.47
240.0	27.11	19.75	14.72	10.95	8.17	6.37	5.83	4.94	4.67
255.0	27.79	20.42	15.11	12.59	8.54	6.75	5.31	4.41	3.78
270.0	33.56	20.57	15.25	11.19	8.66	7.22	5.86	4.69	4.06
285.0	28.11	21.06	15.55	11.30	8.86	7.32	6.15	5.42	4.88
300.0	28.25	21.01	15.67	11.41	8.87	7.33	6.52	6.16	6.07
315.0	27.18	20.39	15.22	11.05	8.70	7.43	6.89	6.80	7.07
330.0	25.82	19.12	14.41	10.60	8.34	7.34	6.98	6.98	7.34
345.0	24.24	18.16	13.71	10.17	8.17	7.08	6.81	6.72	7.08
360.0	29.85	21.47	16.41	12.13	9.25	7.51	6.46	6.28	6.46
$C/\gamma(^{\circ})$	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	6.98	6.90	5.76	4.80	4.02	3.75	3.67	3.06	2.53
15.0	6.49	6.57	5.33	4.44	3.91	3.64	3.46	3.02	2.22
30.0	6.44	6.44	5.54	4.74	4.02	3.58	3.31	3.04	2.23
45.0	6.27	6.27	5.65	5.11	4.21	3.58	3.05	2.87	2.24
60.0	6.01	6.28	5.75	5.21	4.49	3.68	3.05	2.69	2.15
75.0	5.94	6.21	5.67	5.13	4.50	3.69	2.97	2.61	2.16
90.0	5.59	5.86	5.59	4.87	4.42	3.52	2.80	2.62	2.07
105.0	5.06	5.42	5.15	4.43	4.16	3.43	2.80	2.53	2.08
120.0	4.62	4.80	4.80	4.35	4.17	3.53	2.90	2.54	2.26
135.0	4.71	5.07	4.71	4.53	4.17	3.81	3.08	2.72	2.45
150.0	5.26	5.62	5.07	4.80	4.35	4.17	3.35	2.90	2.72
165.0	5.81	6.35	5.81	5.54	4.72	4.27	3.54	3.09	2.81
180.0	6.98	6.63	5.85	5.06	4.54	3.75	3.14	2.88	2.27
195.0	7.46	7.37	6.31	5.15	4.62	3.82	3.46	3.02	2.31
210.0	7.06	7.24	6.08	5.18	4.38	3.75	3.40	3.04	2.32
225.0	5.91	6.54	5.29	4.12	3.67	3.40	3.23	3.05	2.33
240.0	5.03	4.76	3.86	3.23	3.05	2.96	2.87	3.14	2.33
255.0	4.05	3.51	2.61	2.34	2.43	2.34	2.61	2.52	2.43
270.0	3.52	2.62	1.53	1.44	1.62	2.17	2.53	2.35	2.53
285.0	4.43	3.07	1.81	1.45	1.45	2.17	2.62	2.35	2.53
300.0	6.07	4.89	3.44	2.35	2.08	2.72	2.72	2.72	2.26
315.0	7.52	6.52	4.89	3.35	2.81	3.08	2.81	2.36	1.99
330.0	8.15	6.98	5.53	4.08	3.53	3.35	3.17	2.63	1.90
345.0	7.44	6.54	5.36	4.09	3.63	3.72	3.09	2.45	1.72
360.0	6.98	6.90	5.76	4.80	4.02	3.75	3.67	3.06	2.53

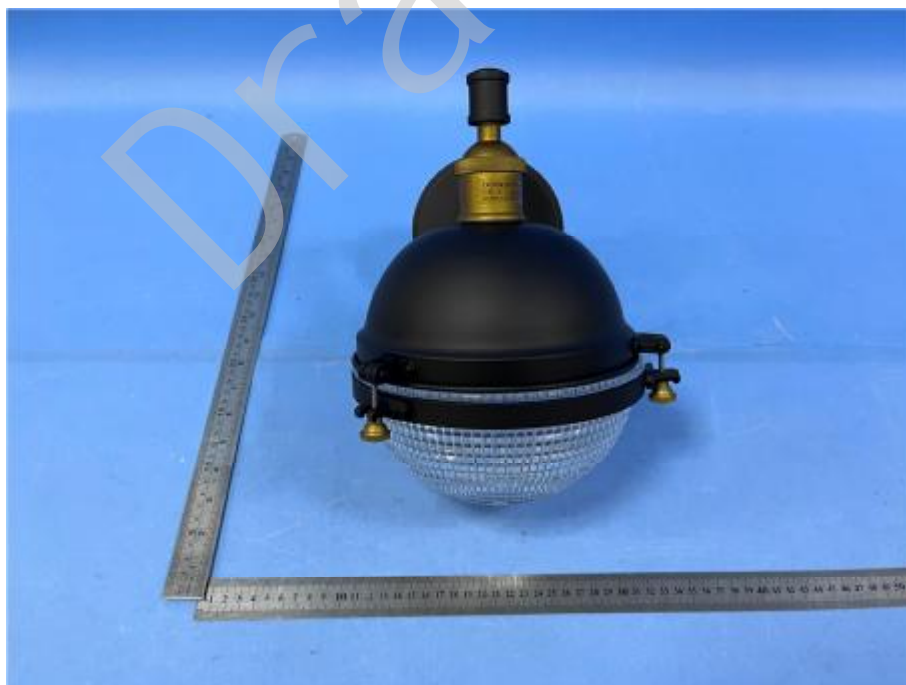
Intensity data(cd)

<i>C_γ</i> (°)	180.0
0.0	2.27
15.0	1.95
30.0	1.97
45.0	1.88
60.0	1.71
75.0	1.71
90.0	1.53
105.0	1.54
120.0	1.54
135.0	1.36
150.0	1.54
165.0	1.82
180.0	0.00
195.0	0.00
210.0	0.00
225.0	0.00
240.0	0.00
255.0	0.00
270.0	0.00
285.0	0.00
300.0	0.00
315.0	0.00
330.0	0.00
345.0	0.00
360.0	2.27

Appendix A Product Photo



Picture 1



Picture 2

****End of test report****