Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799235

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDDWMW**

Issue Date: 4/12/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

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Test Information

Test Method:	LM-79-08
Report Number:	P799235
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab:	INNOVATION CENTER
Issue Date:	4/12/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD6C08D010 EU6089027 6LBMDDWMW
Description:	6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDDW TRIM WITH MW FINISH
Light Source:	-
Ballast/Driver:	-

Luminaire Equipment:	Sample No.	Condition	Description

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	757.0 lumens
Efficiency:	N/A
Efficacy:	76.5 lumens/watt
Spacing Criteria (0/90/45):	0.92 / 0.87 / 0.88
Luminous Opening:	Circular (Dia: 0.5' x H: 0')
CIE Type:	Direct

Input Watts (W):	9.9
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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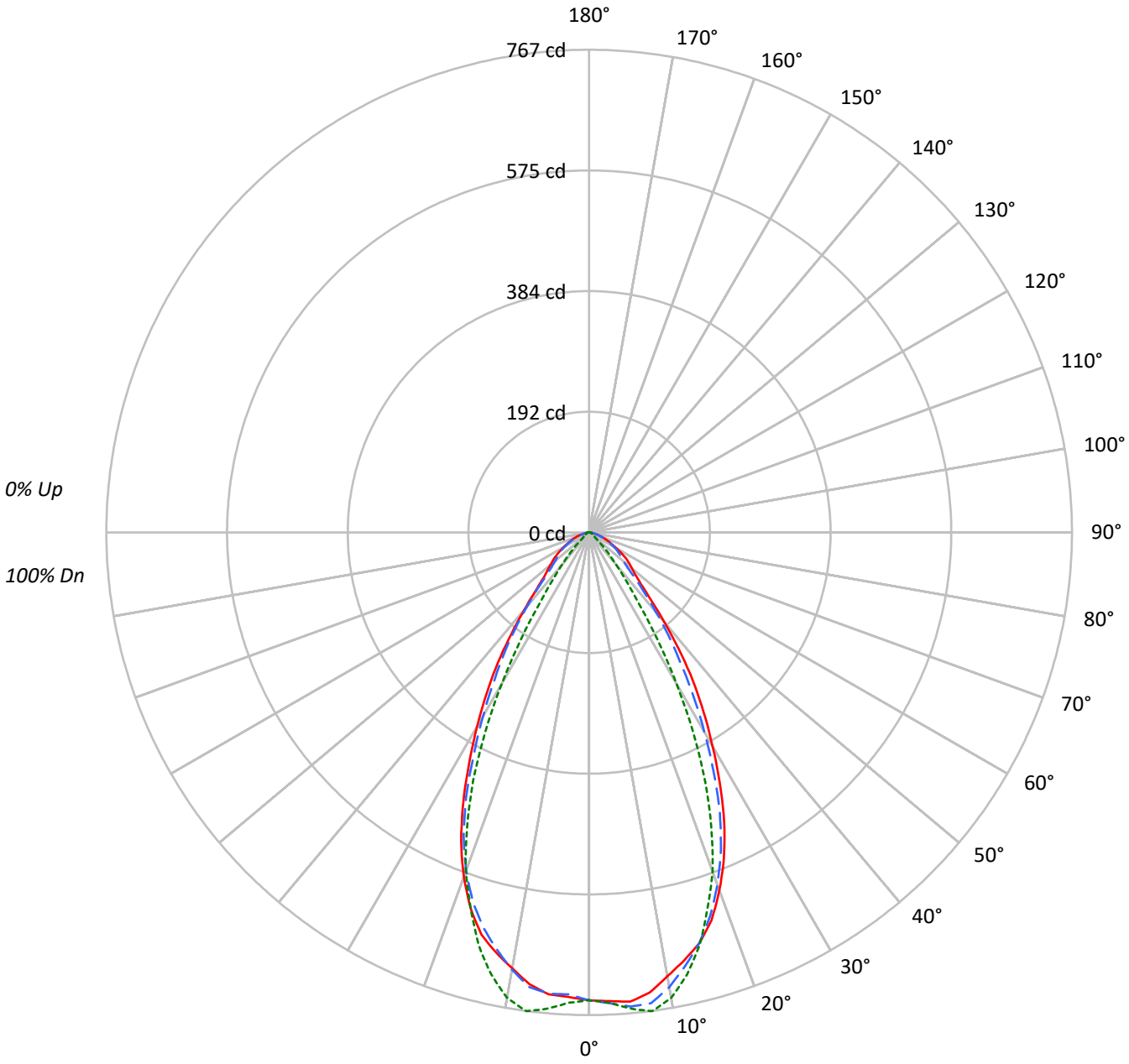
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	40764	40764	40764
5°	41190	41811	40546
10°	39857	41811	39161
15°	38360	38508	37543
20°	35301	33451	33982
25°	30722	26379	28617
30°	24782	17528	22478
35°	19214	9035	16885
40°	13182	4680	11371
45°	9032	2349	7978
50°	7514	998	6840
55°	6757	870	6107
60°	5350	833	5098
65°	4410	739	4371
70°	3574	673	3574
75°	2648	720	2796
80°	1547	600	1673
85°	1195	692	1195

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	9.4
10°-20°	185.8	24.5
20°-30°	212.1	28.0
30°-40°	140.6	18.6
40°-50°	67.8	9.0
50°-60°	41.7	5.5
60°-70°	25.3	3.3
70°-80°	10.6	1.4
80°-90°	2.3	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	468.6	61.9
0°-40°	609.2	80.5
0°-60°	718.8	95.0
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	744	744	744	744	744	
5°	748	756	760	736	737	70
15°	676	676	678	650	662	188
25°	508	491	436	461	473	230
35°	287	253	135	236	252	178
45°	116	102	30	95	103	95
55°	71	58	9	58	64	62
65°	34	32	6	31	34	34
75°	12	12	3	12	13	13
85°	2	3	1	2	2	2
90°	0	0	0	0	0	

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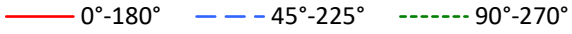
CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6
2.5°	745.5	746.6	748.9	749.2	748.1	740.9	734.9	737.1	739.0
5°	748.5	750.8	756.4	761.7	759.8	747.7	735.6	735.3	736.8
7.5°	737.5	742.8	754.5	767.8	767.4	746.6	728.8	724.3	724.3
10°	716.0	720.9	733.7	751.5	751.1	725.0	705.4	703.1	703.5
12.5°	696.7	698.9	705.4	719.4	719.4	693.6	678.5	680.8	683.8
15°	675.9	677.4	675.9	680.4	678.5	657.3	649.8	657.0	661.5
17.5°	646.4	647.1	639.2	633.1	625.9	612.7	614.6	625.2	626.3
20°	605.1	610.1	595.7	580.2	573.4	560.9	571.5	583.2	582.5
22.5°	559.8	565.4	546.9	521.2	507.2	502.3	521.2	531.8	531.4
25°	507.9	512.1	490.9	455.0	436.1	435.3	461.4	472.4	473.1
27.5°	449.7	451.2	427.4	380.5	357.0	362.7	395.6	410.7	412.6
30°	391.5	390.7	366.1	307.9	276.9	292.4	336.6	353.3	355.1
32.5°	338.1	335.9	307.9	238.3	201.2	224.3	282.5	299.9	303.0
35°	287.1	283.3	253.0	176.2	135.0	169.4	236.0	251.1	252.3
37.5°	233.7	231.8	208.0	132.0	94.2	128.6	192.5	203.5	202.3
40°	184.2	184.2	164.5	98.0	65.4	95.7	152.4	162.3	158.9
42.5°	144.5	146.4	129.7	72.2	46.5	71.1	120.7	129.7	125.9
45°	116.5	116.5	102.1	53.7	30.3	53.0	95.3	103.6	102.9
47.5°	98.7	97.2	82.8	39.3	16.6	39.7	80.2	90.4	90.0
50°	88.1	85.9	71.1	31.0	11.7	32.9	70.3	79.8	80.2
52.5°	79.8	76.4	63.9	27.6	10.2	28.7	63.9	71.5	71.5
55°	70.7	68.8	57.5	24.6	9.1	25.7	57.5	64.3	63.9
57.5°	59.8	59.4	51.4	22.3	8.3	22.7	51.4	55.6	54.1
60°	48.8	50.3	44.6	20.0	7.6	20.4	43.9	47.3	46.5
62.5°	40.8	42.7	39.0	17.8	6.4	18.2	37.1	40.5	39.7
65°	34.0	35.6	32.5	15.1	5.7	15.1	30.6	33.7	33.7
67.5°	28.0	29.1	26.9	12.5	4.9	12.5	25.0	27.6	28.0
70°	22.3	23.1	21.2	9.8	4.2	10.2	19.7	22.3	22.3
72.5°	17.4	17.8	16.6	7.9	3.8	7.9	15.1	17.4	17.4
75°	12.5	13.2	12.5	6.1	3.4	6.1	11.7	12.9	13.2
77.5°	7.2	9.1	9.1	4.9	2.6	4.5	8.3	8.7	8.7
80°	4.9	5.7	6.4	3.4	1.9	3.4	5.3	5.7	5.3
82.5°	3.4	3.8	3.8	2.3	1.5	2.3	3.4	3.8	3.4
85°	1.9	2.6	2.6	1.9	1.1	1.5	1.9	2.3	1.9
87.5°	1.1	1.5	1.9	1.5	1.1	1.1	1.1	1.1	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Report Generated By 670246072 / DESKTOP-50001EG


0°-180°
45°-225°
90°-270°

(END OF REPORT)