

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: P799860

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799860
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: LD6C55D010 EU6559035 6LBMDDWWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

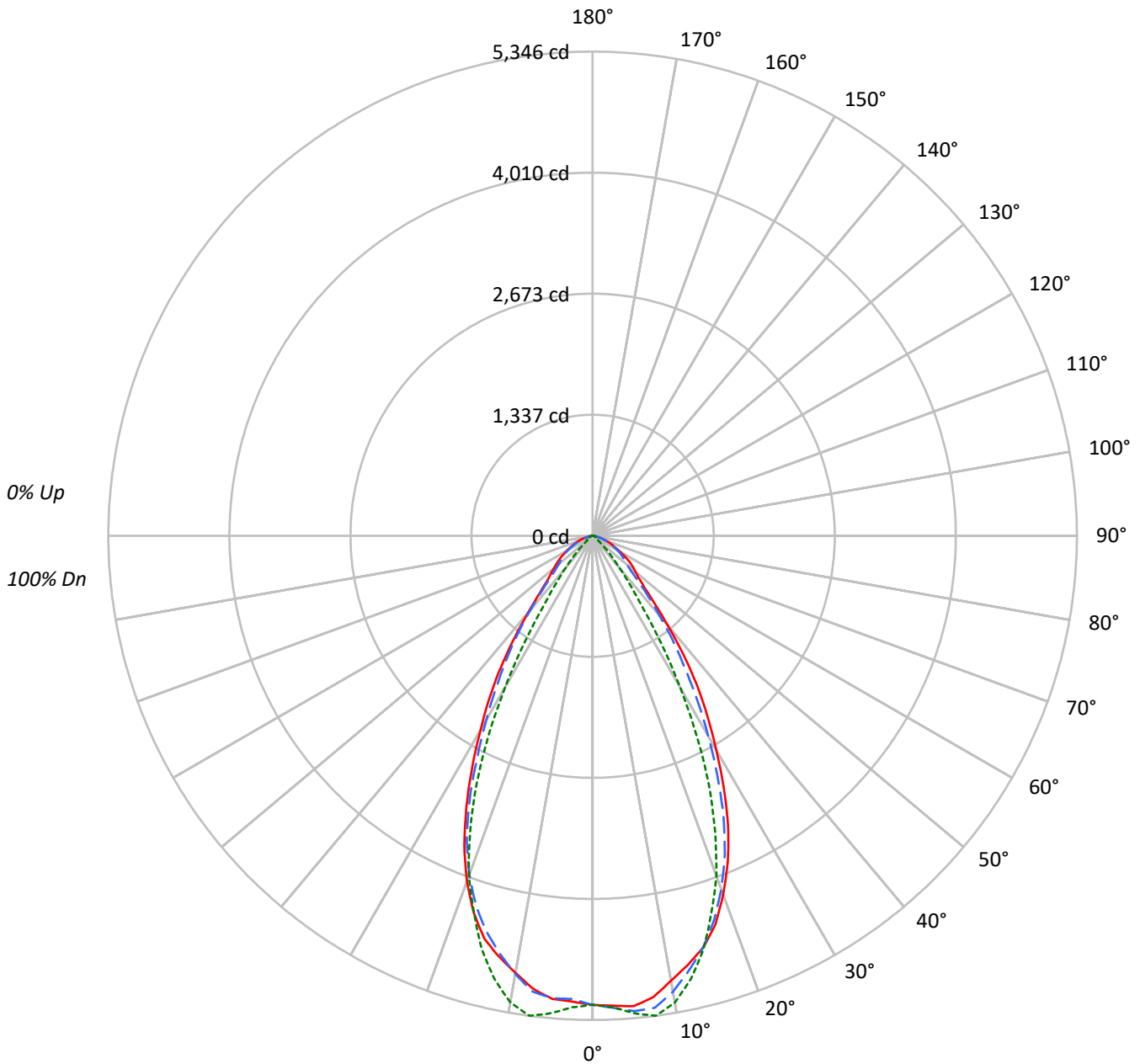
Lumens per Lamp: N/A
Luminaire Lumens: 5273.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V): NR
Input Current (A_{in}): 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				
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	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°	283941	283941	283941
5°	286908	291261	282417
10°	277617	291255	272774
15°	267192	268237	261511
20°	245908	232998	236691
25°	214016	183736	199354
30°	172603	122076	156594
35°	133819	62941	117597
40°	91815	32618	79184
45°	62906	16343	55556
50°	52348	6968	47632
55°	47090	6040	42550
60°	37267	5778	35523
65°	30756	5124	30418
70°	24908	4648	24908
75°	18406	5020	19529
80°	10797	4167	11649
85°	8303	4969	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.0	9.4
10°-20°	1294.1	24.5
20°-30°	1477.1	28.0
30°-40°	979.6	18.6
40°-50°	472.5	9.0
50°-60°	290.6	5.5
60°-70°	175.9	3.3
70°-80°	74.0	1.4
80°-90°	16.3	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°	3264.2	61.9
0°-40°	4243.7	80.5
0°-60°	5006.8	95.0
0°-90°	5273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5273.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5180	5180	5180	5180	5180	
5°	5214	5269	5293	5124	5132	490
15°	4708	4708	4726	4526	4608	1312
25°	3538	3420	3038	3214	3296	1604
35°	2000	1762	940	1644	1757	1237
45°	811	711	211	664	717	662
55°	493	400	63	400	445	433
65°	237	227	40	213	234	238
75°	87	87	24	82	92	93
85°	13	18	8	13	13	17
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°	5179.5	5179.5	5179.5	5179.5	5179.5	5179.5	5179.5	5179.5	5179.5
2.5°	5192.7	5200.6	5216.4	5219.0	5211.1	5161.0	5118.9	5134.7	5147.9
5°	5213.7	5229.5	5269.1	5305.9	5292.8	5208.5	5124.2	5121.5	5132.1
7.5°	5137.3	5174.2	5255.9	5348.1	5345.5	5200.6	5076.7	5045.1	5045.1
10°	4987.2	5021.4	5111.0	5234.8	5232.2	5050.4	4913.4	4897.6	4900.2
12.5°	4852.8	4868.6	4913.4	5010.9	5010.9	4831.7	4726.3	4742.1	4763.2
15°	4707.9	4718.4	4707.9	4739.5	4726.3	4578.8	4526.1	4576.2	4607.8
17.5°	4502.4	4507.7	4452.3	4410.2	4360.1	4267.9	4281.1	4354.9	4362.8
20°	4215.2	4249.5	4149.4	4041.4	3993.9	3907.0	3980.8	4062.4	4057.2
22.5°	3899.1	3938.6	3809.5	3630.4	3532.9	3498.7	3630.4	3704.1	3701.5
25°	3538.2	3567.1	3419.6	3169.3	3037.6	3032.3	3214.1	3290.5	3295.8
27.5°	3132.5	3143.0	2977.0	2650.3	2487.0	2526.5	2755.7	2861.1	2874.3
30°	2726.7	2721.5	2550.2	2144.5	1928.5	2036.5	2344.7	2460.6	2473.8
32.5°	2355.3	2339.5	2144.5	1659.8	1401.6	1562.3	1968.0	2089.2	2110.3
35°	1999.6	1973.3	1762.5	1227.7	940.5	1180.3	1643.9	1749.3	1757.2
37.5°	1628.1	1615.0	1449.0	919.4	656.0	895.7	1341.0	1417.4	1409.5
40°	1283.0	1283.0	1146.0	682.3	455.8	666.5	1061.7	1130.2	1106.5
42.5°	1006.4	1019.6	903.6	503.2	324.0	495.3	840.4	903.6	877.3
45°	811.4	811.4	711.3	374.1	210.8	368.8	663.9	721.9	716.6
47.5°	687.6	677.1	577.0	274.0	115.9	276.6	558.5	629.7	627.0
50°	613.8	598.0	495.3	216.0	81.7	229.2	490.0	555.9	558.5
52.5°	555.9	532.2	445.2	192.3	71.1	200.2	445.2	497.9	497.9
55°	492.7	479.5	400.4	171.2	63.2	179.1	400.4	447.9	445.2
57.5°	416.3	413.6	358.3	155.4	58.0	158.1	358.3	387.3	376.7
60°	339.9	350.4	310.9	139.6	52.7	142.3	305.6	329.3	324.0
62.5°	284.5	297.7	271.4	123.8	44.8	126.5	258.2	281.9	276.6
65°	237.1	247.6	226.6	105.4	39.5	105.4	213.4	234.5	234.5
67.5°	195.0	202.9	187.1	86.9	34.2	86.9	173.9	192.3	195.0
70°	155.4	160.7	147.5	68.5	29.0	71.1	137.0	155.4	155.4
72.5°	121.2	123.8	115.9	55.3	26.3	55.3	105.4	121.2	121.2
75°	86.9	92.2	86.9	42.2	23.7	42.2	81.7	89.6	92.2
77.5°	50.1	63.2	63.2	34.2	18.4	31.6	58.0	60.6	60.6
80°	34.2	39.5	44.8	23.7	13.2	23.7	36.9	39.5	36.9
82.5°	23.7	26.3	26.3	15.8	10.5	15.8	23.7	26.3	23.7
85°	13.2	18.4	18.4	13.2	7.9	10.5	13.2	15.8	13.2
87.5°	7.9	10.5	13.2	10.5	7.9	7.9	7.9	7.9	5.3
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)