

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: P799859

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799859
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 6LBMDDWMW
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

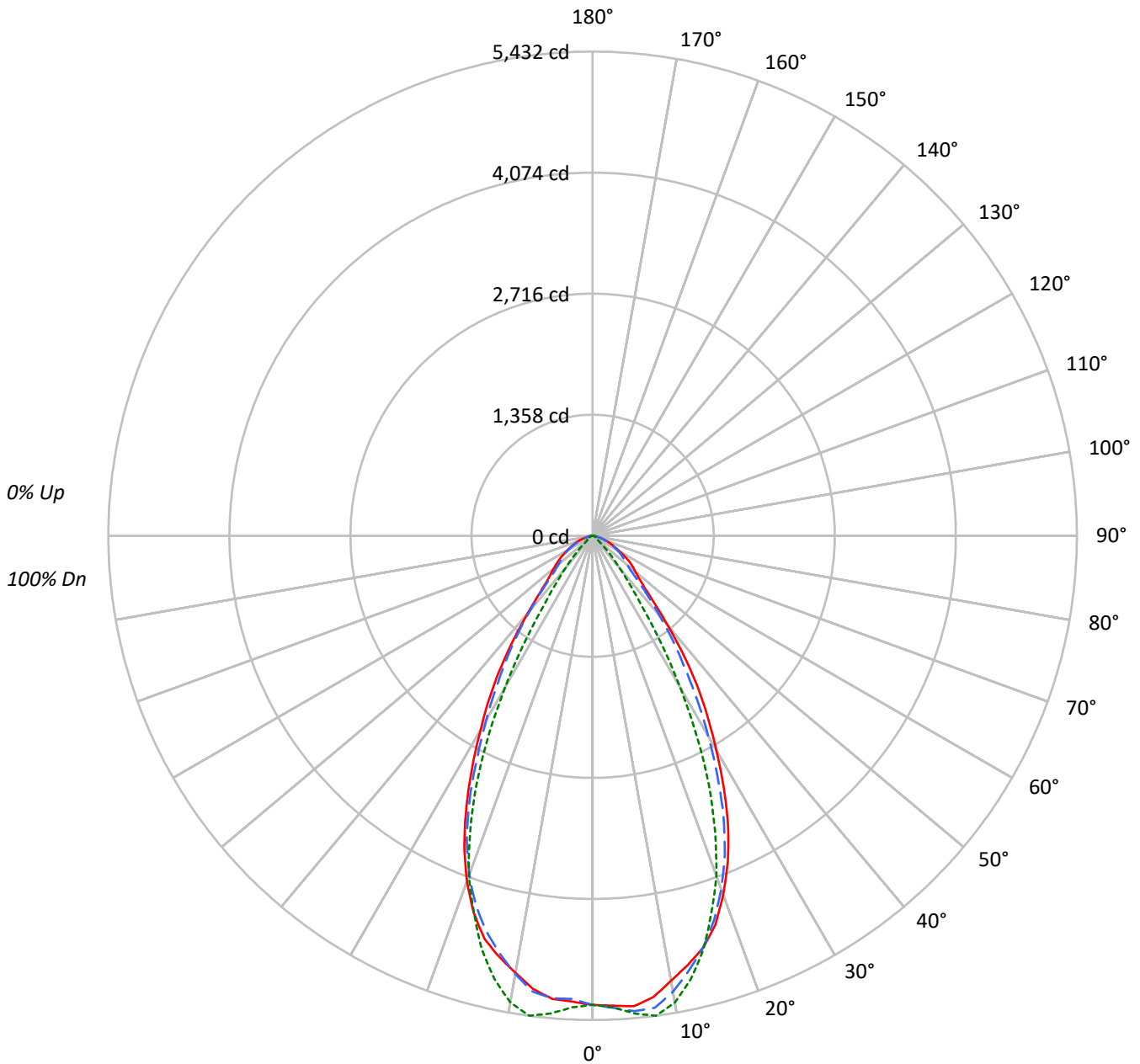
Lumens per Lamp: N/A
Luminaire Lumens: 5358.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	288519	288519	288519
5°	291536	295955	286968
10°	282087	295948	277171
15°	271500	272561	265728
20°	249875	236755	240506
25°	217464	186700	202566
30°	175388	124044	159119
35°	135974	63958	119498
40°	93296	33141	80458
45°	63921	16606	56448
50°	53192	7079	48399
55°	47845	6136	43239
60°	37859	5866	36105
65°	31248	5215	30911
70°	25309	4712	25309
75°	18703	5105	19846
80°	10986	4230	11839
85°	8428	5032	8428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.0	9.4
10°-20°	1314.9	24.5
20°-30°	1500.9	28.0
30°-40°	995.4	18.6
40°-50°	480.1	9.0
50°-60°	295.3	5.5
60°-70°	178.7	3.3
70°-80°	75.2	1.4
80°-90°	16.6	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°	3316.8	61.9
0°-40°	4312.1	80.5
0°-60°	5087.5	95.0
0°-90°	5358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5358.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5263	5263	5263	5263	5263	
5°	5298	5354	5378	5207	5215	498
15°	4784	4784	4802	4599	4682	1333
25°	3595	3475	3087	3266	3349	1630
35°	2032	1791	956	1670	1786	1257
45°	824	723	214	675	728	672
55°	501	407	64	407	452	440
65°	241	230	40	217	238	242
75°	88	88	24	83	94	94
85°	13	19	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°	5263.0	5263.0	5263.0	5263.0	5263.0	5263.0	5263.0	5263.0	5263.0
2.5°	5276.4	5284.4	5300.4	5303.1	5295.1	5244.2	5201.4	5217.5	5230.8
5°	5297.8	5313.8	5354.0	5391.5	5378.1	5292.4	5206.8	5204.1	5214.8
7.5°	5220.1	5257.6	5340.6	5434.3	5431.6	5284.4	5158.6	5126.4	5126.4
10°	5067.5	5102.4	5193.4	5319.2	5316.5	5131.8	4992.6	4976.5	4979.2
12.5°	4931.0	4947.1	4992.6	5091.6	5091.6	4909.6	4802.5	4818.6	4840.0
15°	4783.8	4794.5	4783.8	4815.9	4802.5	4652.6	4599.1	4649.9	4682.1
17.5°	4575.0	4580.3	4524.1	4481.3	4430.4	4336.7	4350.1	4425.1	4433.1
20°	4283.2	4318.0	4216.3	4106.5	4058.3	3970.0	4044.9	4127.9	4122.6
22.5°	3962.0	4002.1	3870.9	3688.9	3589.8	3555.0	3688.9	3763.9	3761.2
25°	3595.2	3624.6	3474.7	3220.4	3086.6	3081.2	3265.9	3343.6	3348.9
27.5°	3182.9	3193.7	3025.0	2693.1	2527.1	2567.2	2800.1	2907.2	2920.6
30°	2770.7	2765.3	2591.3	2179.1	1959.6	2069.3	2382.5	2500.3	2513.7
32.5°	2393.2	2377.2	2179.1	1686.5	1424.2	1587.5	1999.7	2122.9	2144.3
35°	2031.8	2005.1	1790.9	1247.5	955.7	1199.3	1670.4	1777.5	1785.6
37.5°	1654.4	1641.0	1472.3	934.3	666.6	910.2	1362.6	1440.2	1432.2
40°	1303.7	1303.7	1164.5	693.3	463.1	677.3	1078.8	1148.4	1124.3
42.5°	1022.6	1036.0	918.2	511.3	329.3	503.3	854.0	918.2	891.4
45°	824.5	824.5	722.8	380.1	214.2	374.8	674.6	733.5	728.1
47.5°	698.7	688.0	586.3	278.4	117.8	281.1	567.5	639.8	637.1
50°	623.7	607.7	503.3	219.5	83.0	232.9	497.9	564.8	567.5
52.5°	564.8	540.8	452.4	195.4	72.3	203.5	452.4	506.0	506.0
55°	500.6	487.2	406.9	174.0	64.2	182.0	406.9	455.1	452.4
57.5°	423.0	420.3	364.1	157.9	58.9	160.6	364.1	393.5	382.8
60°	345.3	356.0	315.9	141.9	53.5	144.6	310.5	334.6	329.3
62.5°	289.1	302.5	275.7	125.8	45.5	128.5	262.3	286.4	281.1
65°	240.9	251.6	230.2	107.1	40.2	107.1	216.8	238.3	238.3
67.5°	198.1	206.1	190.1	88.3	34.8	88.3	176.7	195.4	198.1
70°	157.9	163.3	149.9	69.6	29.4	72.3	139.2	157.9	157.9
72.5°	123.1	125.8	117.8	56.2	26.8	56.2	107.1	123.1	123.1
75°	88.3	93.7	88.3	42.8	24.1	42.8	83.0	91.0	93.7
77.5°	50.9	64.2	64.2	34.8	18.7	32.1	58.9	61.6	61.6
80°	34.8	40.2	45.5	24.1	13.4	24.1	37.5	40.2	37.5
82.5°	24.1	26.8	26.8	16.1	10.7	16.1	24.1	26.8	24.1
85°	13.4	18.7	18.7	13.4	8.0	10.7	13.4	16.1	13.4
87.5°	8.0	10.7	13.4	10.7	8.0	8.0	8.0	8.0	5.4
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)