

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: P799855

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C55D010 EU6559030 6LBMDSWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

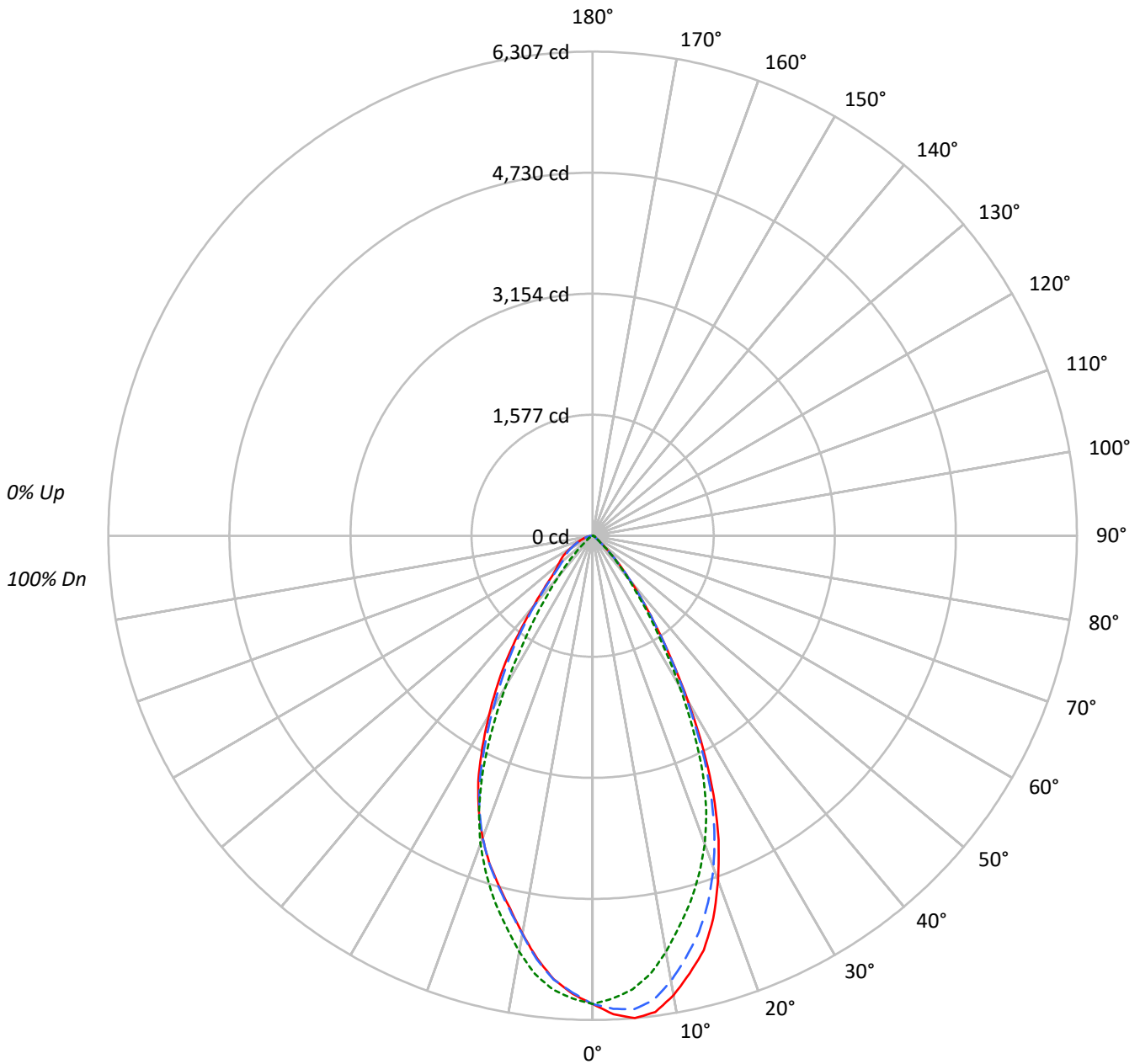
Lumens per Lamp: N/A
Luminaire Lumens: 5251.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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				100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	334348	334348	334348
5°	347061	326501	319116
10°	338187	306257	292780
15°	317170	279837	267743
20°	278443	249122	244368
25°	225201	204665	213103
30°	156562	142573	170552
35°	96496	87335	128720
40°	54602	48956	85482
45°	26514	25297	58339
50°	10098	10098	49593
55°	5534	6537	45771
60°	4035	5197	37497
65°	3412	4436	30717
70°	2949	3799	25309
75°	2796	3897	21732
80°	1673	3315	15785
85°	1635	6604	14907



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.3	10.6
10°-20°	1403.3	26.7
20°-30°	1579.8	30.1
30°-40°	978.2	18.6
40°-50°	389.5	7.4
50°-60°	177.4	3.4
60°-70°	101.9	1.9
70°-80°	48.4	0.9
80°-90°	14.1	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°	3541.4	67.4
0°-40°	4519.6	86.1
0°-60°	5086.5	96.9
0°-90°	5251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5251.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6099	6099	6099	6099	6099	
5°	6307	6191	5933	5804	5799	594
15°	5588	5346	4931	4731	4718	1546
25°	3723	3623	3384	3468	3523	1674
35°	1442	1434	1305	1818	1923	927
45°	342	342	326	710	752	290
55°	58	55	68	421	479	57
65°	26	24	34	234	237	26
75°	13	13	18	100	103	14
85°	3	3	10	24	24	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°	6099.0	6099.0	6099.0	6099.0	6099.0	6099.0	6099.0	6099.0	6099.0
2.5°	6238.4	6180.5	6167.4	6117.4	6033.2	5985.8	5956.9	5935.8	5972.7
5°	6306.8	6243.7	6191.1	6088.4	5933.2	5846.4	5804.3	5770.1	5799.0
7.5°	6256.8	6167.4	6096.3	5954.3	5756.9	5622.7	5564.8	5525.4	5551.7
10°	6075.3	5967.4	5885.8	5717.5	5501.7	5341.2	5270.2	5233.3	5259.6
12.5°	5838.5	5749.0	5625.4	5441.2	5209.6	5041.3	4988.6	4959.7	4970.2
15°	5588.5	5483.3	5346.5	5162.3	4930.7	4762.4	4730.8	4712.4	4717.6
17.5°	5225.4	5122.8	5004.4	4825.5	4612.4	4475.6	4475.6	4462.4	4470.3
20°	4772.9	4717.6	4601.9	4451.9	4270.3	4146.7	4186.1	4173.0	4188.8
22.5°	4283.5	4241.4	4141.4	4017.7	3865.1	3767.8	3854.6	3852.0	3873.0
25°	3723.1	3691.5	3623.1	3517.8	3383.6	3323.1	3467.8	3467.8	3523.1
27.5°	3104.7	3073.2	3025.8	2936.3	2825.8	2807.4	3020.5	3046.9	3107.4
30°	2473.3	2452.2	2425.9	2344.3	2252.3	2286.5	2581.1	2625.9	2694.3
32.5°	1910.2	1897.0	1889.2	1815.5	1733.9	1847.1	2183.8	2241.7	2310.1
35°	1441.9	1412.9	1434.0	1378.7	1305.0	1447.1	1818.1	1868.1	1923.4
37.5°	1063.0	1041.9	1060.3	1020.9	955.1	1110.3	1460.3	1491.9	1528.7
40°	763.0	744.6	760.4	736.7	684.1	828.8	1144.5	1178.7	1194.5
42.5°	542.0	510.4	526.2	507.8	481.5	623.6	899.8	931.4	936.7
45°	342.0	331.5	342.0	331.5	326.3	463.1	710.4	739.3	752.5
47.5°	207.9	194.7	194.7	189.4	194.7	342.0	586.7	628.8	649.9
50°	118.4	113.1	110.5	107.9	118.4	268.4	507.8	555.2	581.5
52.5°	78.9	76.3	76.3	73.7	86.8	226.3	457.8	499.9	526.2
55°	57.9	55.3	55.3	55.3	68.4	194.7	421.0	455.2	478.9
57.5°	44.7	44.7	44.7	42.1	57.9	165.8	376.3	394.7	413.1
60°	36.8	34.2	34.2	34.2	47.4	142.1	323.6	331.5	342.0
62.5°	28.9	28.9	28.9	28.9	39.5	126.3	278.9	278.9	284.2
65°	26.3	23.7	23.7	23.7	34.2	110.5	234.2	231.5	236.8
67.5°	21.0	21.0	21.0	21.0	28.9	94.7	192.1	189.4	194.7
70°	18.4	18.4	18.4	18.4	23.7	78.9	155.2	152.6	157.9
72.5°	15.8	15.8	15.8	15.8	21.0	65.8	123.7	123.7	126.3
75°	13.2	13.2	13.2	13.2	18.4	50.0	100.0	100.0	102.6
77.5°	10.5	10.5	10.5	10.5	13.2	39.5	76.3	73.7	73.7
80°	5.3	7.9	7.9	7.9	10.5	28.9	55.3	50.0	50.0
82.5°	2.6	5.3	5.3	5.3	10.5	21.0	36.8	34.2	34.2
85°	2.6	2.6	2.6	7.9	10.5	15.8	23.7	23.7	23.7
87.5°	0.0	2.6	5.3	10.5	13.2	13.2	15.8	13.2	13.2
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)