

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: P799896

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799896
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: LD6C60D010 EU6609027 6LBMDDWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

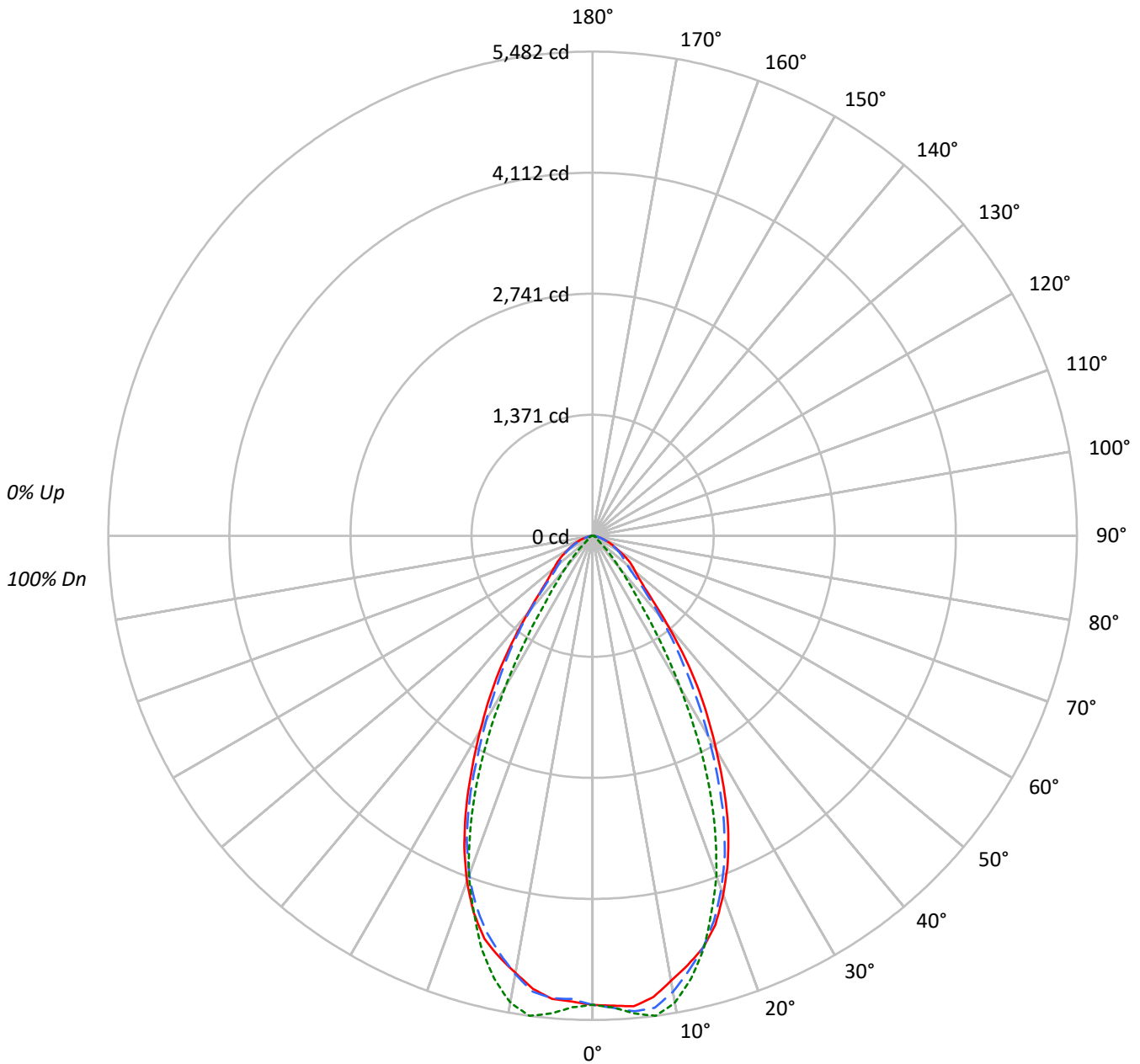
Lumens per Lamp: N/A
Luminaire Lumens: 5408.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	291210	291210	291210
5°	294254	298717	289643
10°	284720	298709	279760
15°	274031	275104	268208
20°	252209	238966	242746
25°	219497	188442	204459
30°	177021	125196	160607
35°	137246	64554	120609
40°	94169	33448	81209
45°	64518	16761	56975
50°	53695	7147	48851
55°	48295	6193	43640
60°	38221	5921	36433
65°	31547	5253	31197
70°	25549	4760	25549
75°	18893	5147	20037
80°	11081	4262	11933
85°	8491	5095	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.7	9.4
10°-20°	1327.2	24.5
20°-30°	1514.9	28.0
30°-40°	1004.6	18.6
40°-50°	484.6	9.0
50°-60°	298.1	5.5
60°-70°	180.4	3.3
70°-80°	75.9	1.4
80°-90°	16.7	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°	3347.7	61.9
0°-40°	4352.4	80.5
0°-60°	5135.0	95.0
0°-90°	5408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5408.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5312	5312	5312	5312	5312	
5°	5347	5404	5428	5255	5263	502
15°	4828	4828	4847	4642	4726	1346
25°	3629	3507	3115	3296	3380	1645
35°	2051	1808	965	1686	1802	1268
45°	832	730	216	681	735	679
55°	505	411	65	411	457	444
65°	243	232	40	219	240	244
75°	89	89	24	84	95	95
85°	14	19	8	14	14	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°	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1
2.5°	5325.6	5333.7	5349.9	5352.6	5344.5	5293.2	5249.9	5266.1	5279.7
5°	5347.2	5363.4	5404.0	5441.8	5428.3	5341.8	5255.3	5252.6	5263.4
7.5°	5268.9	5306.7	5390.4	5485.0	5482.3	5333.7	5206.7	5174.3	5174.3
10°	5114.8	5150.0	5241.8	5368.8	5366.1	5179.7	5039.2	5023.0	5025.7
12.5°	4977.0	4993.3	5039.2	5139.2	5139.2	4955.4	4847.3	4863.6	4885.2
15°	4828.4	4839.2	4828.4	4860.9	4847.3	4696.0	4642.0	4693.3	4725.8
17.5°	4617.7	4623.1	4566.3	4523.1	4471.8	4377.2	4390.7	4466.4	4474.5
20°	4323.2	4358.3	4255.6	4144.8	4096.2	4007.0	4082.7	4166.4	4161.0
22.5°	3998.9	4039.5	3907.1	3723.3	3623.3	3588.2	3723.3	3799.0	3796.3
25°	3628.8	3658.5	3507.2	3250.5	3115.4	3110.0	3296.4	3374.8	3380.2
27.5°	3212.6	3223.5	3053.2	2718.2	2550.7	2591.2	2826.3	2934.3	2947.9
30°	2796.5	2791.1	2615.5	2199.4	1977.8	2088.6	2404.8	2523.6	2537.2
32.5°	2415.6	2399.4	2199.4	1702.2	1437.5	1602.3	2018.4	2142.7	2164.3
35°	2050.8	2023.8	1807.6	1259.1	964.6	1210.5	1686.0	1794.1	1802.2
37.5°	1669.8	1656.3	1486.1	943.0	672.8	918.7	1375.3	1453.7	1445.6
40°	1315.9	1315.9	1175.4	699.8	467.4	683.6	1088.9	1159.1	1134.8
42.5°	1032.2	1045.7	926.8	516.1	332.3	508.0	861.9	926.8	899.8
45°	832.2	832.2	729.5	383.7	216.2	378.3	680.9	740.3	734.9
47.5°	705.2	694.4	591.7	281.0	118.9	283.7	572.8	645.8	643.1
50°	629.6	613.3	508.0	221.6	83.8	235.1	502.6	570.1	572.8
52.5°	570.1	545.8	456.6	197.2	73.0	205.4	456.6	510.7	510.7
55°	505.3	491.8	410.7	175.6	64.8	183.7	410.7	459.3	456.6
57.5°	426.9	424.2	367.5	159.4	59.4	162.1	367.5	397.2	386.4
60°	348.6	359.4	318.8	143.2	54.0	145.9	313.4	337.7	332.3
62.5°	291.8	305.3	278.3	127.0	45.9	129.7	264.8	289.1	283.7
65°	243.2	254.0	232.4	108.1	40.5	108.1	218.9	240.5	240.5
67.5°	199.9	208.1	191.8	89.2	35.1	89.2	178.3	197.2	199.9
70°	159.4	164.8	151.3	70.3	29.7	73.0	140.5	159.4	159.4
72.5°	124.3	127.0	118.9	56.7	27.0	56.7	108.1	124.3	124.3
75°	89.2	94.6	89.2	43.2	24.3	43.2	83.8	91.9	94.6
77.5°	51.3	64.8	64.8	35.1	18.9	32.4	59.4	62.1	62.1
80°	35.1	40.5	45.9	24.3	13.5	24.3	37.8	40.5	37.8
82.5°	24.3	27.0	27.0	16.2	10.8	16.2	24.3	27.0	24.3
85°	13.5	18.9	18.9	13.5	8.1	10.8	13.5	16.2	13.5
87.5°	8.1	10.8	13.5	10.8	8.1	8.1	8.1	8.1	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)