

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: P799895

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799895
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 6LBMDDWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

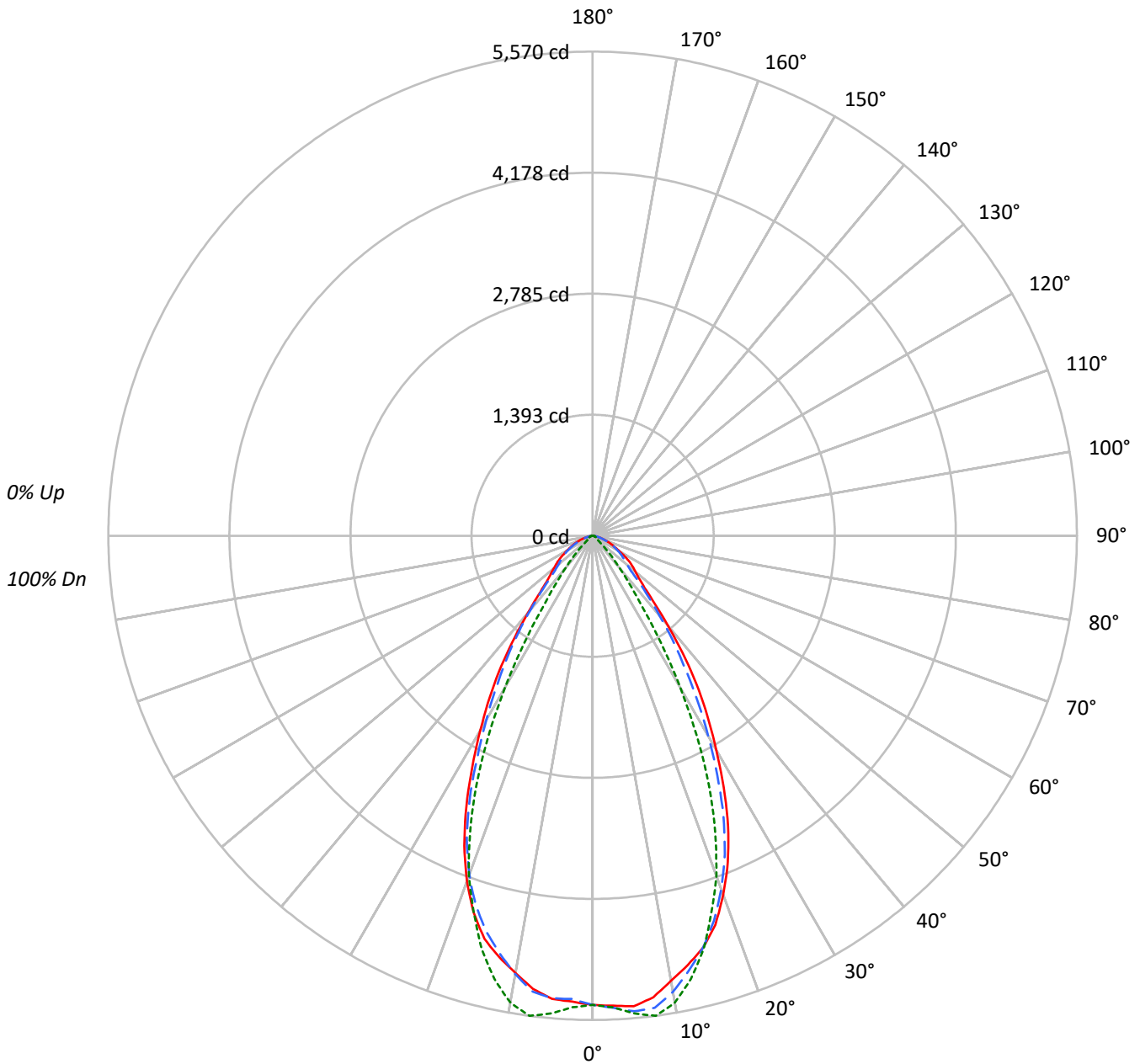
Lumens per Lamp: N/A
Luminaire Lumens: 5495.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	295892	295892	295892
5°	298987	303521	294304
10°	289301	303513	284258
15°	278441	279531	272521
20°	256263	242810	246655
25°	223023	191473	207744
30°	179869	127216	163190
35°	139454	65591	122550
40°	95679	33992	82519
45°	65557	17025	57897
50°	54557	7258	49636
55°	49069	6298	44347
60°	38835	6019	37026
65°	32053	5344	31690
70°	25966	4841	25966
75°	19190	5232	20355
80°	11270	4325	12123
85°	8617	5158	8617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.8	9.4
10°-20°	1348.5	24.5
20°-30°	1539.3	28.0
30°-40°	1020.8	18.6
40°-50°	492.4	9.0
50°-60°	302.9	5.5
60°-70°	183.3	3.3
70°-80°	77.1	1.4
80°-90°	17.0	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°	3401.6	61.9
0°-40°	4422.4	80.5
0°-60°	5217.6	95.0
0°-90°	5495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5495.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5398	5398	5398	5398	5398	
5°	5433	5491	5516	5340	5348	510
15°	4906	4906	4925	4717	4802	1367
25°	3687	3564	3166	3349	3434	1672
35°	2084	1837	980	1713	1831	1289
45°	846	741	220	692	747	690
55°	513	417	66	417	464	451
65°	247	236	41	222	244	248
75°	91	91	25	85	96	97
85°	14	19	8	14	14	18
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°	5397.5	5397.5	5397.5	5397.5	5397.5	5397.5	5397.5	5397.5	5397.5
2.5°	5411.3	5419.5	5436.0	5438.7	5430.5	5378.3	5334.4	5350.9	5364.6
5°	5433.2	5449.7	5490.9	5529.3	5515.6	5427.7	5339.9	5337.1	5348.1
7.5°	5353.6	5392.0	5477.2	5573.2	5570.5	5419.5	5290.5	5257.5	5257.5
10°	5197.1	5232.8	5326.2	5455.2	5452.4	5263.0	5120.3	5103.8	5106.5
12.5°	5057.1	5073.6	5120.3	5221.8	5221.8	5035.1	4925.3	4941.8	4963.8
15°	4906.1	4917.1	4906.1	4939.1	4925.3	4771.6	4716.7	4768.8	4801.8
17.5°	4692.0	4697.5	4639.8	4595.9	4543.7	4447.6	4461.3	4538.2	4546.5
20°	4392.7	4428.4	4324.1	4211.5	4162.1	4071.5	4148.4	4233.5	4228.0
22.5°	4063.3	4104.4	3969.9	3783.2	3681.6	3645.9	3783.2	3860.1	3857.3
25°	3687.1	3717.3	3563.6	3302.8	3165.5	3160.0	3349.4	3429.1	3434.5
27.5°	3264.3	3275.3	3102.4	2761.9	2591.7	2632.9	2871.7	2981.6	2995.3
30°	2841.5	2836.0	2657.6	2234.8	2009.7	2122.2	2443.4	2564.2	2578.0
32.5°	2454.4	2438.0	2234.8	1729.6	1460.6	1628.0	2050.8	2177.1	2199.1
35°	2083.8	2056.3	1836.7	1279.4	980.1	1230.0	1713.2	1823.0	1831.2
37.5°	1696.7	1683.0	1510.0	958.2	683.6	933.5	1397.4	1477.0	1468.8
40°	1337.0	1337.0	1194.3	711.1	475.0	694.6	1106.4	1177.8	1153.1
42.5°	1048.8	1062.5	941.7	524.4	337.7	516.1	875.8	941.7	914.2
45°	845.6	845.6	741.3	389.9	219.6	384.4	691.9	752.3	746.8
47.5°	716.6	705.6	601.3	285.5	120.8	288.3	582.0	656.2	653.4
50°	639.7	623.2	516.1	225.1	85.1	238.9	510.7	579.3	582.0
52.5°	579.3	554.6	464.0	200.4	74.1	208.7	464.0	518.9	518.9
55°	513.4	499.7	417.3	178.5	65.9	186.7	417.3	466.7	464.0
57.5°	433.8	431.0	373.4	162.0	60.4	164.7	373.4	403.6	392.6
60°	354.2	365.1	324.0	145.5	54.9	148.3	318.5	343.2	337.7
62.5°	296.5	310.2	282.8	129.0	46.7	131.8	269.1	293.8	288.3
65°	247.1	258.1	236.1	109.8	41.2	109.8	222.4	244.3	244.3
67.5°	203.2	211.4	194.9	90.6	35.7	90.6	181.2	200.4	203.2
70°	162.0	167.5	153.7	71.4	30.2	74.1	142.8	162.0	162.0
72.5°	126.3	129.0	120.8	57.7	27.5	57.7	109.8	126.3	126.3
75°	90.6	96.1	90.6	43.9	24.7	43.9	85.1	93.3	96.1
77.5°	52.2	65.9	65.9	35.7	19.2	32.9	60.4	63.1	63.1
80°	35.7	41.2	46.7	24.7	13.7	24.7	38.4	41.2	38.4
82.5°	24.7	27.5	27.5	16.5	11.0	16.5	24.7	27.5	24.7
85°	13.7	19.2	19.2	13.7	8.2	11.0	13.7	16.5	13.7
87.5°	8.2	11.0	13.7	11.0	8.2	8.2	8.2	8.2	5.5
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)