

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: P799872

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799872
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 EU6559040 6LBMDDWWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

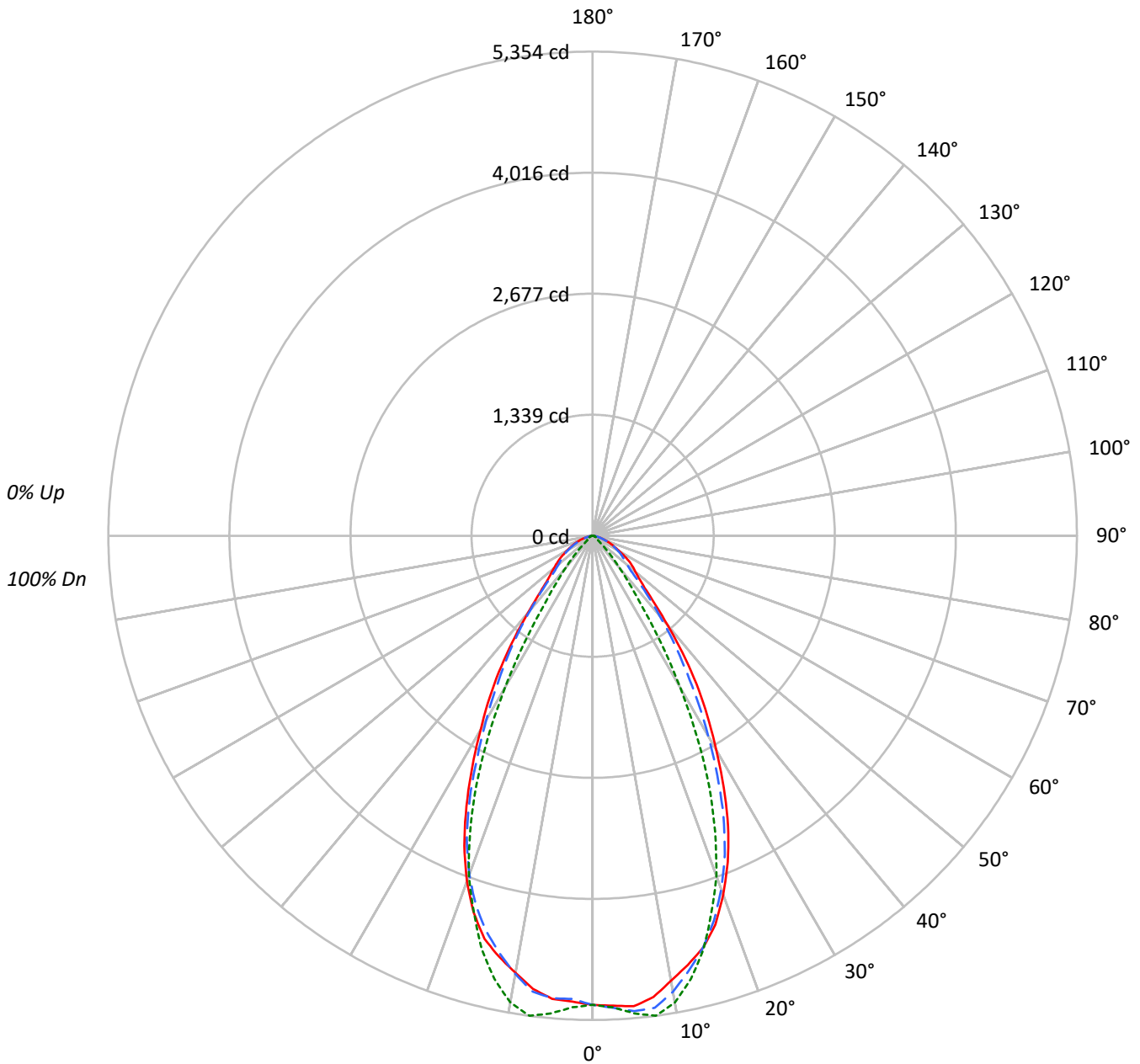
Lumens per Lamp: N/A
Luminaire Lumens: 5281.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	284369	284369	284369
5°	287342	291701	282841
10°	278034	291695	273191
15°	267595	268645	261908
20°	246281	233354	237046
25°	214337	184015	199657
30°	172868	122259	156834
35°	134020	63042	117778
40°	91958	32668	79306
45°	63007	16366	55641
50°	52433	6976	47708
55°	47157	6050	42617
60°	37322	5789	35578
65°	30807	5137	30457
70°	24956	4648	24956
75°	18449	5020	19550
80°	10828	4167	11649
85°	8303	4969	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.8	9.4
10°-20°	1296.0	24.5
20°-30°	1479.3	28.0
30°-40°	981.1	18.6
40°-50°	473.2	9.0
50°-60°	291.1	5.5
60°-70°	176.1	3.3
70°-80°	74.1	1.4
80°-90°	16.4	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°	3269.1	61.9
0°-40°	4250.2	80.5
0°-60°	5014.4	95.0
0°-90°	5281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5281.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5187	5187	5187	5187	5187	
5°	5222	5277	5301	5132	5140	491
15°	4715	4715	4734	4533	4615	1314
25°	3544	3425	3042	3219	3301	1607
35°	2003	1765	942	1646	1760	1239
45°	813	712	211	665	718	663
55°	493	401	63	401	446	434
65°	238	227	40	214	235	239
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°	5187.3	5187.3	5187.3	5187.3	5187.3	5187.3	5187.3	5187.3	5187.3
2.5°	5200.5	5208.4	5224.3	5226.9	5219.0	5168.9	5126.6	5142.5	5155.7
5°	5221.6	5237.5	5277.0	5314.0	5300.8	5216.4	5131.9	5129.3	5139.8
7.5°	5145.1	5182.1	5263.9	5356.2	5353.6	5208.4	5084.4	5052.8	5052.8
10°	4994.7	5029.0	5118.7	5242.7	5240.1	5058.0	4920.8	4905.0	4907.7
12.5°	4860.2	4876.0	4920.8	5018.5	5018.5	4839.1	4733.5	4749.3	4770.4
15°	4715.0	4725.6	4715.0	4746.7	4733.5	4585.8	4533.0	4583.1	4614.8
17.5°	4509.2	4514.5	4459.1	4416.9	4366.8	4274.4	4287.6	4361.5	4369.4
20°	4221.6	4255.9	4155.7	4047.5	4000.0	3912.9	3986.8	4068.6	4063.3
22.5°	3905.0	3944.6	3815.3	3635.9	3538.3	3504.0	3635.9	3709.8	3707.1
25°	3543.5	3572.6	3424.8	3174.1	3042.2	3036.9	3219.0	3295.5	3300.8
27.5°	3137.2	3147.8	2981.5	2654.4	2490.8	2530.3	2759.9	2865.4	2878.6
30°	2730.9	2725.6	2554.1	2147.8	1931.4	2039.6	2348.3	2464.4	2477.6
32.5°	2358.8	2343.0	2147.8	1662.3	1403.7	1564.6	1971.0	2092.3	2113.5
35°	2002.6	1976.3	1765.2	1229.6	942.0	1182.1	1646.4	1752.0	1759.9
37.5°	1630.6	1617.4	1451.2	920.8	657.0	897.1	1343.0	1419.5	1411.6
40°	1285.0	1285.0	1147.8	683.4	456.5	667.5	1063.3	1131.9	1108.2
42.5°	1007.9	1021.1	905.0	504.0	324.5	496.0	841.7	905.0	878.6
45°	812.7	812.7	712.4	374.7	211.1	369.4	664.9	723.0	717.7
47.5°	688.7	678.1	577.8	274.4	116.1	277.0	559.4	630.6	628.0
50°	614.8	598.9	496.0	216.4	81.8	229.6	490.8	556.7	559.4
52.5°	556.7	533.0	445.9	192.6	71.2	200.5	445.9	498.7	498.7
55°	493.4	480.2	401.1	171.5	63.3	179.4	401.1	448.5	445.9
57.5°	416.9	414.2	358.8	155.7	58.0	158.3	358.8	387.9	377.3
60°	340.4	350.9	311.3	139.8	52.8	142.5	306.1	329.8	324.5
62.5°	285.0	298.2	271.8	124.0	44.9	126.6	258.6	282.3	277.0
65°	237.5	248.0	226.9	105.5	39.6	105.5	213.7	234.8	234.8
67.5°	195.3	203.2	187.3	87.1	34.3	87.1	174.1	192.6	195.3
70°	155.7	160.9	147.8	68.6	29.0	71.2	137.2	155.7	155.7
72.5°	121.4	124.0	116.1	55.4	26.4	55.4	105.5	121.4	121.4
75°	87.1	92.3	87.1	42.2	23.7	42.2	81.8	89.7	92.3
77.5°	50.1	63.3	63.3	34.3	18.5	31.7	58.0	60.7	60.7
80°	34.3	39.6	44.9	23.7	13.2	23.7	36.9	39.6	36.9
82.5°	23.7	26.4	26.4	15.8	10.6	15.8	23.7	26.4	23.7
85°	13.2	18.5	18.5	13.2	7.9	10.6	13.2	15.8	13.2
87.5°	7.9	10.6	13.2	10.6	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)