

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: P799917

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799917
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 EU6609035 6LBMDDWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

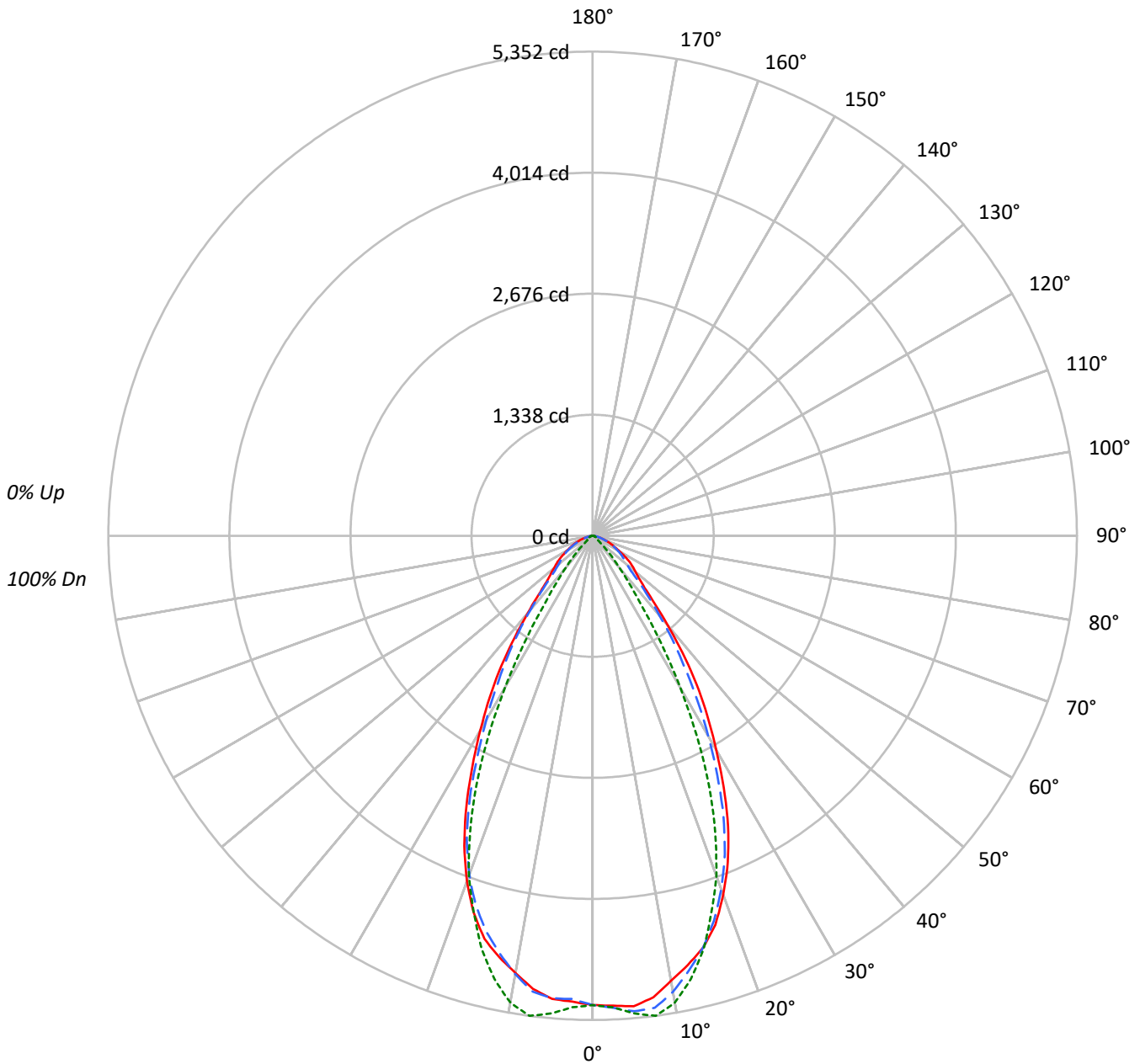
Lumens per Lamp: N/A
Luminaire Lumens: 5280.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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°	284319	284319	284319
5°	287287	291646	282791
10°	277984	291639	273136
15°	267544	268594	261857
20°	246235	233307	237006
25°	214301	183978	199620
30°	172837	122234	156803
35°	134000	63028	117758
40°	91937	32661	79291
45°	62991	16358	55626
50°	52425	6976	47700
55°	47148	6050	42608
60°	37311	5789	35578
65°	30794	5137	30457
70°	24940	4648	24940
75°	18449	5020	19550
80°	10828	4167	11649
85°	8303	4969	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.7	9.4
10°-20°	1295.8	24.5
20°-30°	1479.1	28.0
30°-40°	980.9	18.6
40°-50°	473.1	9.0
50°-60°	291.0	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°	3268.5	61.9
0°-40°	4249.4	80.5
0°-60°	5013.5	95.0
0°-90°	5280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5280.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5186	5186	5186	5186	5186	
5°	5221	5276	5300	5131	5139	491
15°	4714	4714	4733	4532	4614	1314
25°	3543	3424	3042	3218	3300	1606
35°	2002	1765	942	1646	1760	1238
45°	812	712	211	665	718	663
55°	493	401	63	401	446	434
65°	237	227	40	214	235	238
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°	5186.4	5186.4	5186.4	5186.4	5186.4	5186.4	5186.4	5186.4	5186.4
2.5°	5199.5	5207.5	5223.3	5225.9	5218.0	5167.9	5125.7	5141.5	5154.7
5°	5220.6	5236.5	5276.0	5313.0	5299.8	5215.4	5131.0	5128.3	5138.9
7.5°	5144.1	5181.1	5262.9	5355.2	5352.5	5207.5	5083.5	5051.8	5051.8
10°	4993.8	5028.1	5117.8	5241.8	5239.1	5057.1	4919.9	4904.1	4906.7
12.5°	4859.2	4875.1	4919.9	5017.5	5017.5	4838.1	4732.6	4748.4	4769.5
15°	4714.1	4724.7	4714.1	4745.8	4732.6	4584.9	4532.1	4582.2	4613.9
17.5°	4508.4	4513.7	4458.3	4416.1	4365.9	4273.6	4286.8	4360.7	4368.6
20°	4220.8	4255.1	4154.9	4046.7	3999.2	3912.2	3986.1	4067.8	4062.6
22.5°	3904.3	3943.8	3814.6	3635.2	3537.6	3503.3	3635.2	3709.1	3706.4
25°	3542.9	3571.9	3424.2	3173.5	3041.6	3036.4	3218.4	3294.9	3300.2
27.5°	3136.6	3147.2	2981.0	2653.9	2490.3	2529.9	2759.4	2864.9	2878.1
30°	2730.4	2725.1	2553.6	2147.4	1931.0	2039.2	2347.8	2463.9	2477.1
32.5°	2358.4	2342.6	2147.4	1662.0	1403.4	1564.3	1970.6	2092.0	2113.1
35°	2002.3	1975.9	1764.8	1229.3	941.8	1181.8	1646.1	1751.6	1759.6
37.5°	1630.3	1617.1	1450.9	920.7	656.9	896.9	1342.8	1419.3	1411.3
40°	1284.7	1284.7	1147.5	683.2	456.4	667.4	1063.1	1131.7	1108.0
42.5°	1007.7	1020.9	904.8	503.9	324.5	495.9	841.5	904.8	878.5
45°	812.5	812.5	712.3	374.6	211.0	369.3	664.8	722.8	717.5
47.5°	688.5	678.0	577.7	274.4	116.1	277.0	559.3	630.5	627.8
50°	614.7	598.8	495.9	216.3	81.8	229.5	490.7	556.6	559.3
52.5°	556.6	532.9	445.8	192.6	71.2	200.5	445.8	498.6	498.6
55°	493.3	480.1	401.0	171.5	63.3	179.4	401.0	448.5	445.8
57.5°	416.8	414.2	358.8	155.6	58.0	158.3	358.8	387.8	377.2
60°	340.3	350.9	311.3	139.8	52.8	142.5	306.0	329.8	324.5
62.5°	284.9	298.1	271.7	124.0	44.8	126.6	258.5	282.3	277.0
65°	237.4	248.0	226.9	105.5	39.6	105.5	213.7	234.8	234.8
67.5°	195.2	203.1	187.3	87.1	34.3	87.1	174.1	192.6	195.2
70°	155.6	160.9	147.7	68.6	29.0	71.2	137.2	155.6	155.6
72.5°	121.3	124.0	116.1	55.4	26.4	55.4	105.5	121.3	121.3
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	44.8	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)