

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: P799892

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799892
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 6LBMDDWGPH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

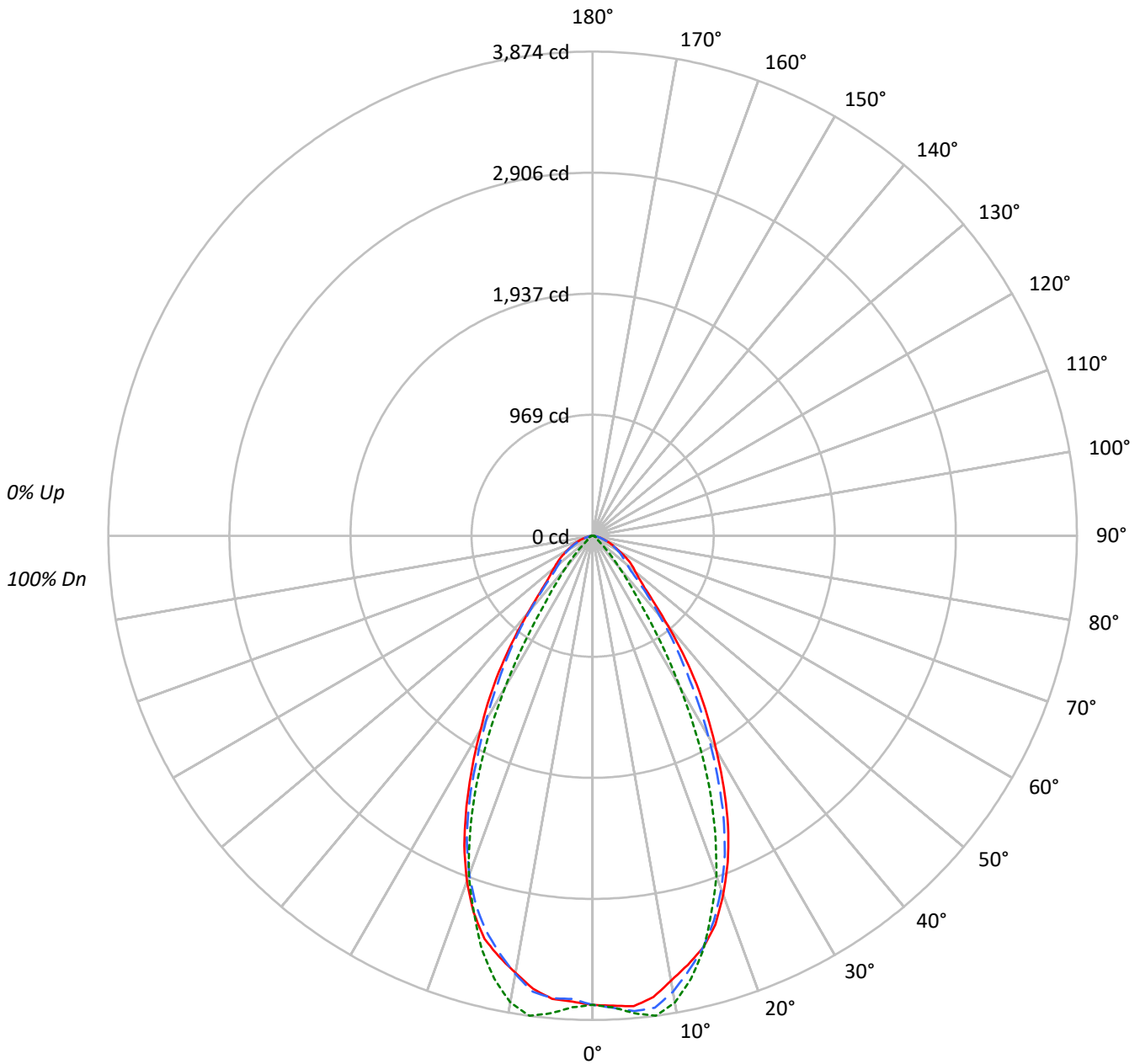
Lumens per Lamp: N/A
Luminaire Lumens: 3821.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			
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°	205751	205751	205751
5°	207902	211055	204649
10°	201171	211052	197664
15°	193616	194377	189502
20°	178195	168837	171515
25°	155084	133145	144456
30°	125076	88457	113473
35°	96972	45608	85213
40°	66532	23637	57379
45°	45586	11838	40260
50°	37935	5049	34515
55°	34121	4377	30833
60°	27004	4188	25744
65°	22285	3710	22039
70°	18048	3366	18048
75°	13344	3643	14149
80°	7829	2999	8429
85°	5975	3585	5975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	9.4
10°-20°	937.7	24.5
20°-30°	1070.3	28.0
30°-40°	709.8	18.6
40°-50°	342.4	9.0
50°-60°	210.6	5.5
60°-70°	127.4	3.3
70°-80°	53.6	1.4
80°-90°	11.8	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°	2365.3	61.9
0°-40°	3075.2	80.5
0°-60°	3628.1	95.0
0°-90°	3821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3821.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3753	3753	3753	3753	3753	
5°	3778	3818	3835	3713	3719	355
15°	3412	3412	3425	3280	3339	951
25°	2564	2478	2201	2329	2388	1163
35°	1449	1277	682	1191	1273	896
45°	588	515	153	481	519	480
55°	357	290	46	290	323	314
65°	172	164	29	155	170	173
75°	63	63	17	59	67	67
85°	10	13	6	10	10	12
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°	3753.2	3753.2	3753.2	3753.2	3753.2	3753.2	3753.2	3753.2	3753.2
2.5°	3762.8	3768.5	3780.0	3781.9	3776.1	3739.9	3709.3	3720.8	3730.3
5°	3778.0	3789.5	3818.1	3844.9	3835.3	3774.2	3713.1	3711.2	3718.9
7.5°	3722.7	3749.4	3808.6	3875.4	3873.5	3768.5	3678.8	3655.9	3655.9
10°	3613.9	3638.7	3703.6	3793.3	3791.4	3659.7	3560.4	3549.0	3550.9
12.5°	3516.5	3528.0	3560.4	3631.1	3631.1	3501.2	3424.9	3436.3	3451.6
15°	3411.5	3419.1	3411.5	3434.4	3424.9	3318.0	3279.8	3316.1	3339.0
17.5°	3262.6	3266.4	3226.3	3195.8	3159.5	3092.7	3102.2	3155.7	3161.4
20°	3054.5	3079.3	3006.8	2928.5	2894.1	2831.2	2884.6	2943.8	2940.0
22.5°	2825.4	2854.1	2760.5	2630.7	2560.1	2535.2	2630.7	2684.2	2682.2
25°	2563.9	2584.9	2478.0	2296.6	2201.2	2197.3	2329.1	2384.4	2388.2
27.5°	2269.9	2277.5	2157.2	1920.5	1802.2	1830.8	1996.9	2073.2	2082.8
30°	1975.9	1972.1	1848.0	1554.0	1397.4	1475.7	1699.1	1783.1	1792.6
32.5°	1706.7	1695.3	1554.0	1202.7	1015.6	1132.1	1426.1	1513.9	1529.2
35°	1449.0	1429.9	1277.2	889.6	681.5	855.3	1191.3	1267.6	1273.3
37.5°	1179.8	1170.3	1050.0	666.3	475.4	649.1	971.7	1027.1	1021.4
40°	929.7	929.7	830.4	494.4	330.3	483.0	769.4	819.0	801.8
42.5°	729.3	738.8	654.8	364.6	234.8	358.9	609.0	654.8	635.7
45°	588.0	588.0	515.4	271.1	152.7	267.3	481.1	523.1	519.3
47.5°	498.3	490.6	418.1	198.5	84.0	200.5	404.7	456.3	454.4
50°	444.8	433.4	358.9	156.5	59.2	166.1	355.1	402.8	404.7
52.5°	402.8	385.6	322.6	139.4	51.5	145.1	322.6	360.8	360.8
55°	357.0	347.5	290.2	124.1	45.8	129.8	290.2	324.5	322.6
57.5°	301.6	299.7	259.6	112.6	42.0	114.5	259.6	280.6	273.0
60°	246.3	253.9	225.3	101.2	38.2	103.1	221.5	238.6	234.8
62.5°	206.2	215.7	196.6	89.7	32.5	91.6	187.1	204.3	200.5
65°	171.8	179.5	164.2	76.4	28.6	76.4	154.6	169.9	169.9
67.5°	141.3	147.0	135.5	63.0	24.8	63.0	126.0	139.4	141.3
70°	112.6	116.5	106.9	49.6	21.0	51.5	99.3	112.6	112.6
72.5°	87.8	89.7	84.0	40.1	19.1	40.1	76.4	87.8	87.8
75°	63.0	66.8	63.0	30.5	17.2	30.5	59.2	64.9	66.8
77.5°	36.3	45.8	45.8	24.8	13.4	22.9	42.0	43.9	43.9
80°	24.8	28.6	32.5	17.2	9.5	17.2	26.7	28.6	26.7
82.5°	17.2	19.1	19.1	11.5	7.6	11.5	17.2	19.1	17.2
85°	9.5	13.4	13.4	9.5	5.7	7.6	9.5	11.5	9.5
87.5°	5.7	7.6	9.5	7.6	5.7	5.7	5.7	5.7	3.8
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)