

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: P799529

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25D010 EU6259050 6LBMDSWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

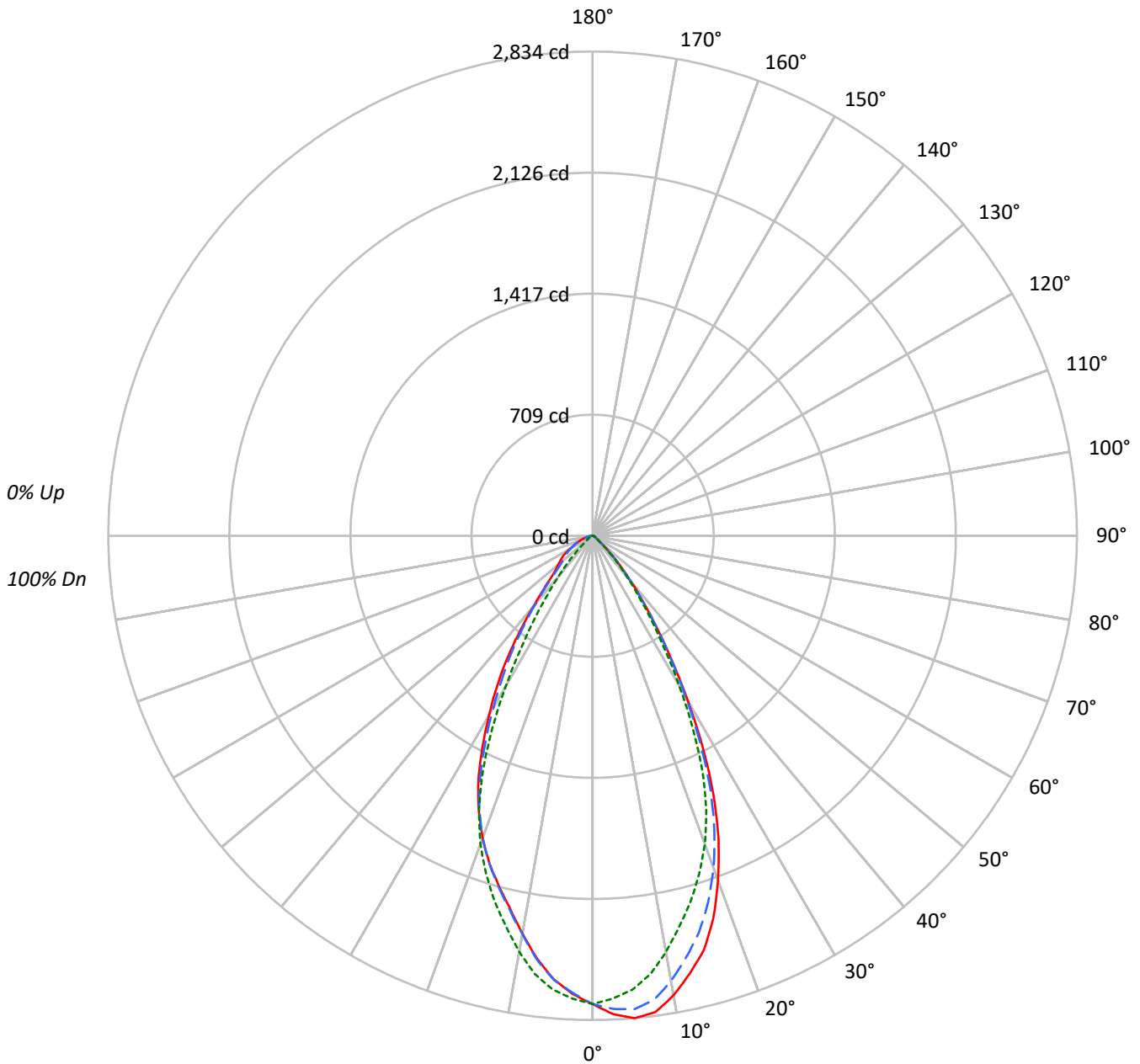
Lumens per Lamp: N/A
Luminaire Lumens: 2360.0 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	150268	150268	150268
5°	155981	146742	143424
10°	151996	137645	131589
15°	142549	125773	120336
20°	125142	111963	109828
25°	101214	91983	95776
30°	70365	64073	76651
35°	43366	39250	57848
40°	24539	22006	38422
45°	11916	11366	26220
50°	4537	4537	22285
55°	2485	2934	20568
60°	1820	2335	16852
65°	1531	1998	13802
70°	1330	1699	11380
75°	1250	1758	9764
80°	758	1484	7103
85°	755	2956	6667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	10.6
10°-20°	630.7	26.7
20°-30°	710.0	30.1
30°-40°	439.6	18.6
40°-50°	175.1	7.4
50°-60°	79.7	3.4
60°-70°	45.8	1.9
70°-80°	21.8	0.9
80°-90°	6.3	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°	1591.6	67.4
0°-40°	2031.3	86.1
0°-60°	2286.1	96.9
0°-90°	2360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2360.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2741	2741	2741	2741	2741	
5°	2834	2782	2667	2609	2606	267
15°	2512	2403	2216	2126	2120	695
25°	1673	1628	1521	1559	1583	752
35°	648	644	586	817	864	416
45°	154	154	147	319	338	130
55°	26	25	31	189	215	26
65°	12	11	15	105	106	12
75°	6	6	8	45	46	6
85°	1	1	5	11	11	1
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°	2741.1	2741.1	2741.1	2741.1	2741.1	2741.1	2741.1	2741.1	2741.1
2.5°	2803.8	2777.8	2771.9	2749.4	2711.5	2690.3	2677.3	2667.8	2684.3
5°	2834.5	2806.1	2782.5	2736.4	2666.6	2627.6	2608.7	2593.3	2606.3
7.5°	2812.1	2771.9	2739.9	2676.1	2587.4	2527.1	2501.1	2483.3	2495.1
10°	2730.5	2682.0	2645.3	2569.6	2472.7	2400.5	2368.6	2352.1	2363.9
12.5°	2624.0	2583.8	2528.3	2445.5	2341.4	2265.7	2242.1	2229.1	2233.8
15°	2511.7	2464.4	2402.9	2320.1	2216.1	2140.4	2126.2	2117.9	2120.3
17.5°	2348.5	2302.4	2249.2	2168.8	2073.0	2011.5	2011.5	2005.6	2009.1
20°	2145.1	2120.3	2068.2	2000.8	1919.2	1863.7	1881.4	1875.5	1882.6
22.5°	1925.2	1906.2	1861.3	1805.7	1737.1	1693.4	1732.4	1731.2	1740.7
25°	1673.3	1659.1	1628.3	1581.0	1520.7	1493.5	1558.6	1558.6	1583.4
27.5°	1395.4	1381.2	1359.9	1319.7	1270.0	1261.8	1357.5	1369.4	1396.6
30°	1111.6	1102.1	1090.3	1053.6	1012.2	1027.6	1160.1	1180.2	1210.9
32.5°	858.5	852.6	849.1	815.9	779.3	830.1	981.5	1007.5	1038.3
35°	648.0	635.0	644.5	619.6	586.5	650.4	817.1	839.6	864.4
37.5°	477.7	468.3	476.6	458.8	429.3	499.0	656.3	670.5	687.1
40°	342.9	334.7	341.8	331.1	307.5	372.5	514.4	529.8	536.9
42.5°	243.6	229.4	236.5	228.2	216.4	280.3	404.4	418.6	421.0
45°	153.7	149.0	153.7	149.0	146.6	208.1	319.3	332.3	338.2
47.5°	93.4	87.5	87.5	85.1	87.5	153.7	263.7	282.6	292.1
50°	53.2	50.8	49.7	48.5	53.2	120.6	228.2	249.5	261.3
52.5°	35.5	34.3	34.3	33.1	39.0	101.7	205.8	224.7	236.5
55°	26.0	24.8	24.8	24.8	30.7	87.5	189.2	204.6	215.2
57.5°	20.1	20.1	20.1	18.9	26.0	74.5	169.1	177.4	185.7
60°	16.6	15.4	15.4	15.4	21.3	63.9	145.5	149.0	153.7
62.5°	13.0	13.0	13.0	13.0	17.7	56.8	125.3	125.3	127.7
65°	11.8	10.6	10.6	10.6	15.4	49.7	105.2	104.1	106.4
67.5°	9.5	9.5	9.5	9.5	13.0	42.6	86.3	85.1	87.5
70°	8.3	8.3	8.3	8.3	10.6	35.5	69.8	68.6	71.0
72.5°	7.1	7.1	7.1	7.1	9.5	29.6	55.6	55.6	56.8
75°	5.9	5.9	5.9	5.9	8.3	22.5	44.9	44.9	46.1
77.5°	4.7	4.7	4.7	4.7	5.9	17.7	34.3	33.1	33.1
80°	2.4	3.5	3.5	3.5	4.7	13.0	24.8	22.5	22.5
82.5°	1.2	2.4	2.4	2.4	4.7	9.5	16.6	15.4	15.4
85°	1.2	1.2	1.2	3.5	4.7	7.1	10.6	10.6	10.6
87.5°	0.0	1.2	2.4	4.7	5.9	5.9	7.1	5.9	5.9
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)