

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: P799567

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799567
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: LD6C30D010 EU6309035 6LBMDSWWMH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

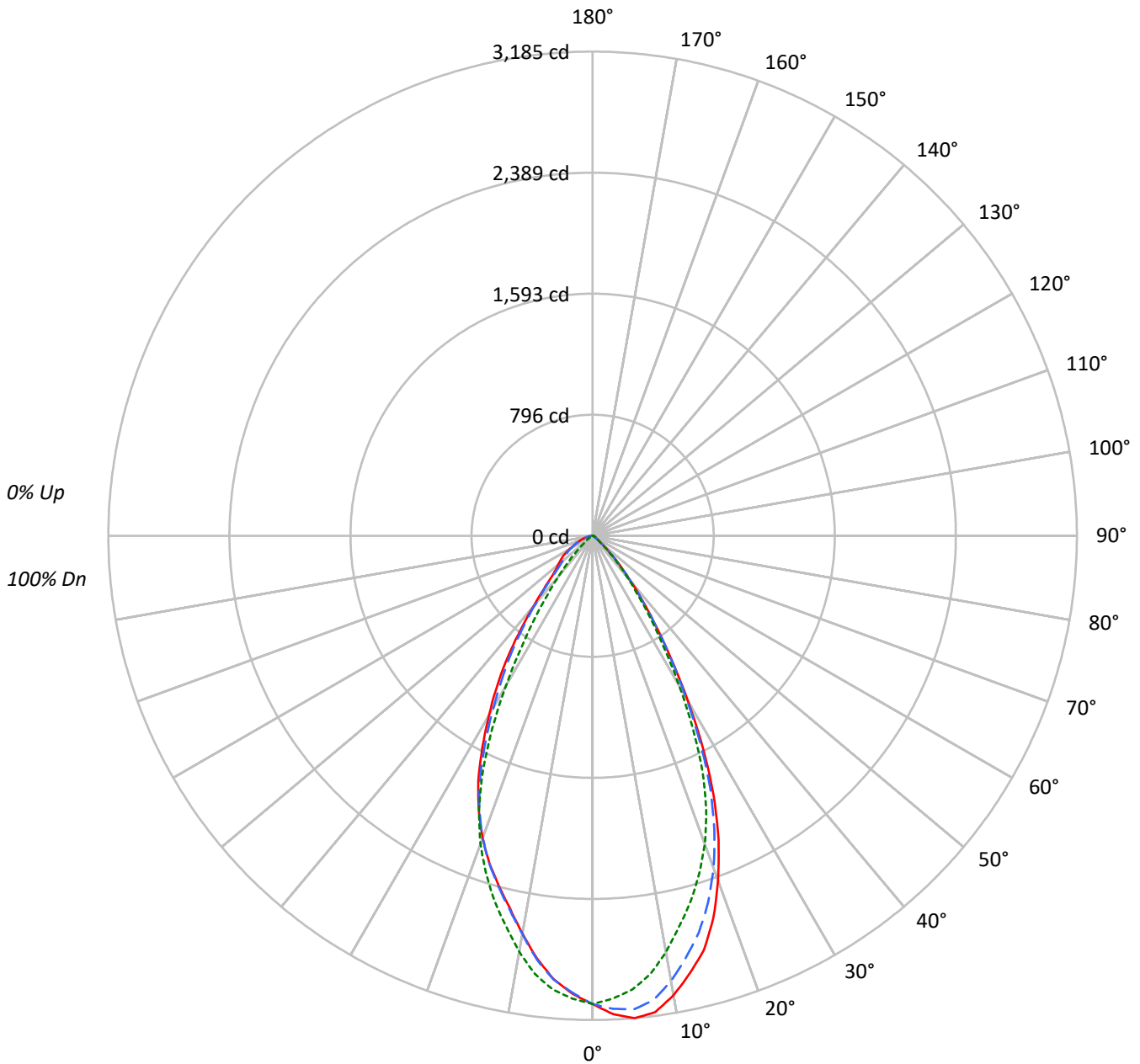
Lumens per Lamp: N/A
Luminaire Lumens: 2652.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	168863	168863	168863
5°	175280	164896	161171
10°	170800	154673	147871
15°	160188	141335	135222
20°	140625	125818	123415
25°	113734	103367	107625
30°	79069	72005	86134
35°	48733	44109	65009
40°	27580	24725	43174
45°	13389	12777	29460
50°	5100	5100	25048
55°	2791	3297	23110
60°	2039	2620	18935
65°	1725	2244	15514
70°	1491	1923	12775
75°	1398	1970	10972
80°	852	1673	7956
85°	818	3334	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.0	10.6
10°-20°	708.7	26.7
20°-30°	797.8	30.1
30°-40°	494.0	18.6
40°-50°	196.7	7.4
50°-60°	89.6	3.4
60°-70°	51.5	1.9
70°-80°	24.4	0.9
80°-90°	7.1	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°	1788.6	67.4
0°-40°	2282.6	86.1
0°-60°	2568.9	96.9
0°-90°	2652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2652.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3080	3080	3080	3080	3080	
5°	3185	3127	2996	2931	2929	300
15°	2822	2700	2490	2389	2383	781
25°	1880	1830	1709	1751	1779	845
35°	728	724	659	918	971	468
45°	173	173	165	359	380	146
55°	29	28	34	213	242	29
65°	13	12	17	118	120	13
75°	7	7	9	50	52	7
85°	1	1	5	12	12	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°	3080.3	3080.3	3080.3	3080.3	3080.3	3080.3	3080.3	3080.3	3080.3
2.5°	3150.7	3121.5	3114.8	3089.6	3047.0	3023.1	3008.5	2997.9	3016.5
5°	3185.2	3153.4	3126.8	3074.9	2996.5	2952.7	2931.4	2914.2	2928.8
7.5°	3160.0	3114.8	3078.9	3007.2	2907.5	2839.7	2810.5	2790.6	2803.9
10°	3068.3	3013.8	2972.6	2887.6	2778.6	2697.6	2661.7	2643.1	2656.4
12.5°	2948.7	2903.5	2841.1	2748.1	2631.1	2546.1	2519.5	2504.9	2510.2
15°	2822.5	2769.3	2700.2	2607.2	2490.3	2405.2	2389.3	2380.0	2382.6
17.5°	2639.1	2587.3	2527.5	2437.1	2329.5	2260.4	2260.4	2253.7	2257.7
20°	2410.5	2382.6	2324.2	2248.4	2156.7	2094.3	2114.2	2107.5	2115.5
22.5°	2163.4	2142.1	2091.6	2029.1	1952.1	1902.9	1946.8	1945.4	1956.1
25°	1880.3	1864.4	1829.8	1776.7	1708.9	1678.3	1751.4	1751.4	1779.3
27.5°	1568.0	1552.1	1528.2	1483.0	1427.2	1417.9	1525.5	1538.8	1569.4
30°	1249.1	1238.5	1225.2	1184.0	1137.5	1154.8	1303.6	1326.2	1360.7
32.5°	964.7	958.1	954.1	916.9	875.7	932.8	1102.9	1132.2	1166.7
35°	728.2	713.6	724.2	696.3	659.1	730.9	918.2	943.5	971.4
37.5°	536.9	526.2	535.5	515.6	482.4	560.8	737.5	753.5	772.1
40°	385.4	376.1	384.0	372.1	345.5	418.6	578.0	595.3	603.3
42.5°	273.7	257.8	265.8	256.5	243.2	314.9	454.5	470.4	473.1
45°	172.7	167.4	172.7	167.4	164.8	233.9	358.8	373.4	380.0
47.5°	105.0	98.3	98.3	95.7	98.3	172.7	296.3	317.6	328.2
50°	59.8	57.1	55.8	54.5	59.8	135.5	256.5	280.4	293.7
52.5°	39.9	38.5	38.5	37.2	43.9	114.3	231.2	252.5	265.8
55°	29.2	27.9	27.9	27.9	34.5	98.3	212.6	229.9	241.8
57.5°	22.6	22.6	22.6	21.3	29.2	83.7	190.0	199.3	208.6
60°	18.6	17.3	17.3	17.3	23.9	71.8	163.4	167.4	172.7
62.5°	14.6	14.6	14.6	14.6	19.9	63.8	140.9	140.9	143.5
65°	13.3	12.0	12.0	12.0	17.3	55.8	118.3	116.9	119.6
67.5°	10.6	10.6	10.6	10.6	14.6	47.8	97.0	95.7	98.3
70°	9.3	9.3	9.3	9.3	12.0	39.9	78.4	77.1	79.7
72.5°	8.0	8.0	8.0	8.0	10.6	33.2	62.5	62.5	63.8
75°	6.6	6.6	6.6	6.6	9.3	25.2	50.5	50.5	51.8
77.5°	5.3	5.3	5.3	5.3	6.6	19.9	38.5	37.2	37.2
80°	2.7	4.0	4.0	4.0	5.3	14.6	27.9	25.2	25.2
82.5°	1.3	2.7	2.7	2.7	5.3	10.6	18.6	17.3	17.3
85°	1.3	1.3	1.3	4.0	5.3	8.0	12.0	12.0	12.0
87.5°	0.0	1.3	2.7	5.3	6.6	6.6	8.0	6.6	6.6
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)