

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: P799543

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDSWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799543
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 EU6309027 6LBMDSWWMH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

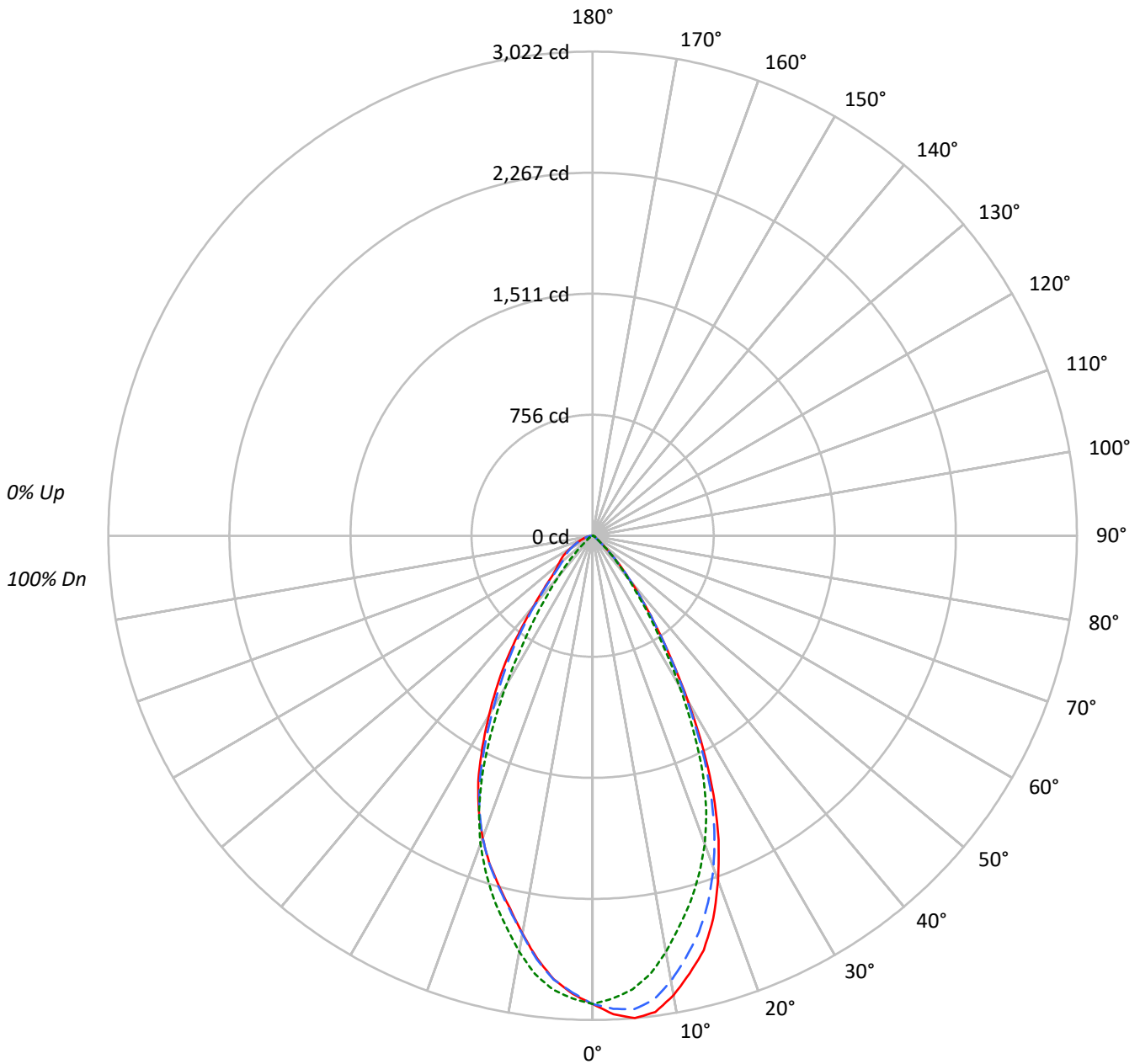
Lumens per Lamp: N/A
Luminaire Lumens: 2516.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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°	160201	160201	160201
5°	166294	156444	152905
10°	162043	146741	140284
15°	151970	134087	128287
20°	133414	119366	117085
25°	107903	98068	102109
30°	75018	68314	81721
35°	46237	41847	61676
40°	26163	23458	40962
45°	12707	12118	27956
50°	4836	4836	23760
55°	2647	3135	21925
60°	1930	2489	17970
65°	1634	2127	14723
70°	1410	1811	12117
75°	1334	1864	10421
80°	789	1578	7577
85°	818	3145	7108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.5	10.6
10°-20°	672.4	26.7
20°-30°	756.9	30.1
30°-40°	468.7	18.6
40°-50°	186.7	7.4
50°-60°	85.0	3.4
60°-70°	48.8	1.9
70°-80°	23.2	0.9
80°-90°	6.8	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°	1696.9	67.4
0°-40°	2165.6	86.1
0°-60°	2437.2	96.9
0°-90°	2516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2516.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2922	2922	2922	2922	2922	
5°	3022	2966	2843	2781	2779	285
15°	2678	2562	2363	2267	2260	741
25°	1784	1736	1621	1662	1688	802
35°	691	687	625	871	922	444
45°	164	164	156	340	361	139
55°	28	26	33	202	229	28
65°	13	11	16	112	114	12
75°	6	6	9	48	49	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°	2922.3	2922.3	2922.3	2922.3	2922.3	2922.3	2922.3	2922.3	2922.3
2.5°	2989.1	2961.4	2955.1	2931.1	2890.8	2868.1	2854.2	2844.1	2861.8
5°	3021.9	2991.6	2966.4	2917.3	2842.9	2801.3	2781.1	2764.7	2778.6
7.5°	2997.9	2955.1	2921.0	2853.0	2758.4	2694.1	2666.4	2647.5	2660.1
10°	2911.0	2859.3	2820.2	2739.5	2636.1	2559.2	2525.2	2507.5	2520.1
12.5°	2797.5	2754.6	2695.4	2607.1	2496.2	2415.5	2390.3	2376.4	2381.5
15°	2677.7	2627.3	2561.7	2473.5	2362.6	2281.9	2266.7	2257.9	2260.4
17.5°	2503.7	2454.6	2397.9	2312.1	2210.0	2144.5	2144.5	2138.1	2141.9
20°	2286.9	2260.4	2205.0	2133.1	2046.1	1986.9	2005.8	1999.5	2007.0
22.5°	2052.4	2032.2	1984.3	1925.1	1852.0	1805.3	1846.9	1845.7	1855.7
25°	1783.9	1768.8	1736.0	1685.6	1621.3	1592.3	1661.6	1661.6	1688.1
27.5°	1487.6	1472.5	1449.8	1406.9	1354.0	1345.2	1447.3	1459.9	1488.9
30°	1185.1	1175.0	1162.4	1123.3	1079.2	1095.5	1236.7	1258.2	1291.0
32.5°	915.3	909.0	905.2	869.9	830.8	885.0	1046.4	1074.1	1106.9
35°	690.9	677.0	687.1	660.6	625.3	693.4	871.1	895.1	921.6
37.5°	509.3	499.2	508.1	489.2	457.6	532.0	699.7	714.8	732.5
40°	365.6	356.8	364.3	353.0	327.8	397.1	548.4	564.8	572.4
42.5°	259.7	244.6	252.1	243.3	230.7	298.8	431.2	446.3	448.8
45°	163.9	158.8	163.9	158.8	156.3	221.9	340.4	354.3	360.6
47.5°	99.6	93.3	93.3	90.8	93.3	163.9	281.1	301.3	311.4
50°	56.7	54.2	52.9	51.7	56.7	128.6	243.3	266.0	278.6
52.5°	37.8	36.6	36.6	35.3	41.6	108.4	219.4	239.5	252.1
55°	27.7	26.5	26.5	26.5	32.8	93.3	201.7	218.1	229.4
57.5°	21.4	21.4	21.4	20.2	27.7	79.4	180.3	189.1	197.9
60°	17.6	16.4	16.4	16.4	22.7	68.1	155.1	158.8	163.9
62.5°	13.9	13.9	13.9	13.9	18.9	60.5	133.6	133.6	136.2
65°	12.6	11.3	11.3	11.3	16.4	52.9	112.2	110.9	113.5
67.5°	10.1	10.1	10.1	10.1	13.9	45.4	92.0	90.8	93.3
70°	8.8	8.8	8.8	8.8	11.3	37.8	74.4	73.1	75.6
72.5°	7.6	7.6	7.6	7.6	10.1	31.5	59.3	59.3	60.5
75°	6.3	6.3	6.3	6.3	8.8	24.0	47.9	47.9	49.2
77.5°	5.0	5.0	5.0	5.0	6.3	18.9	36.6	35.3	35.3
80°	2.5	3.8	3.8	3.8	5.0	13.9	26.5	24.0	24.0
82.5°	1.3	2.5	2.5	2.5	5.0	10.1	17.6	16.4	16.4
85°	1.3	1.3	1.3	3.8	5.0	7.6	11.3	11.3	11.3
87.5°	0.0	1.3	2.5	5.0	6.3	6.3	7.6	6.3	6.3
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)