

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: P799555

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799555
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 EU6309030 6LBMDSWWMH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

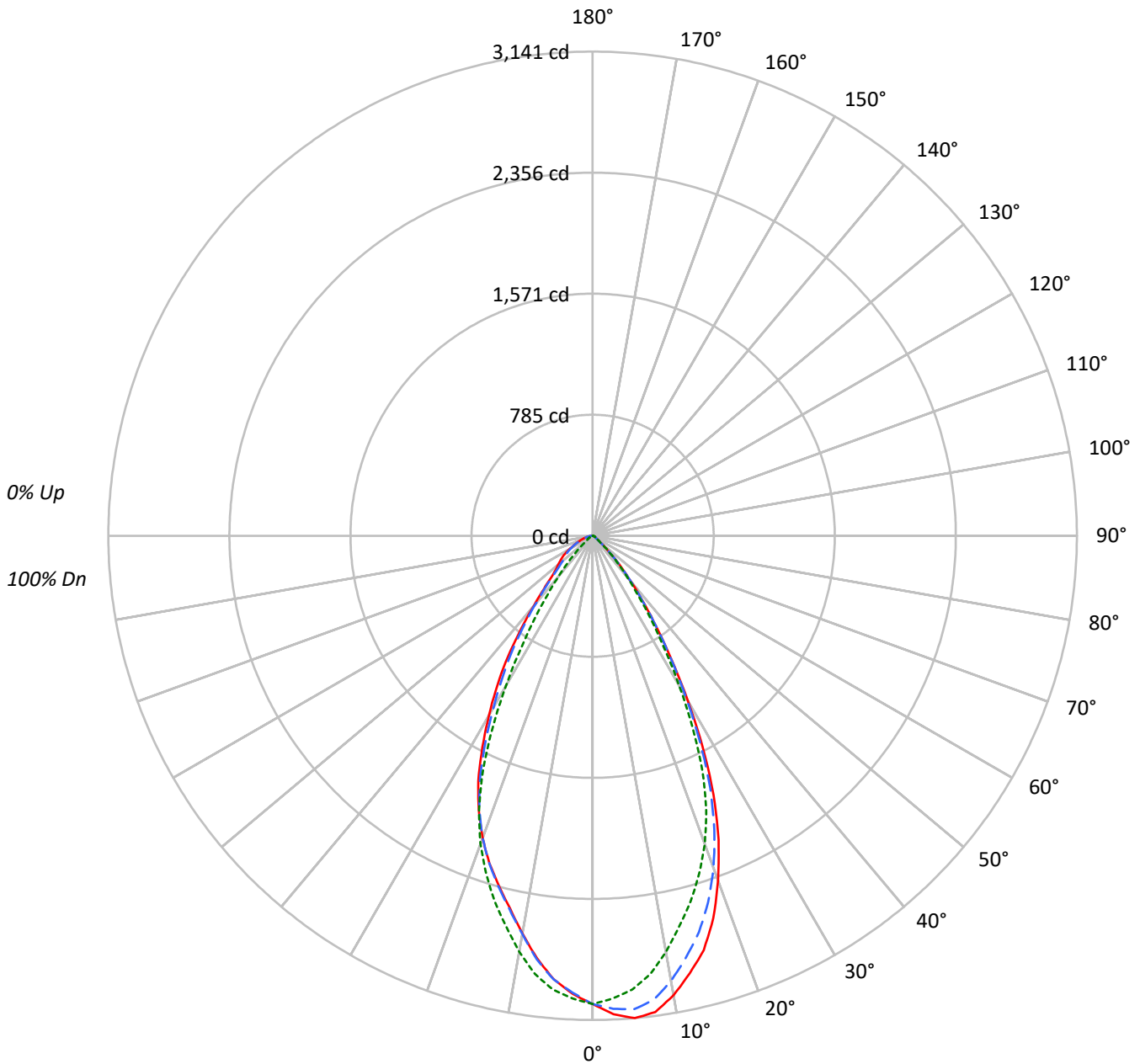
Lumens per Lamp: N/A
Luminaire Lumens: 2615.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	166505	166505	166505
5°	172837	162596	158920
10°	168417	152513	145806
15°	157952	139359	133338
20°	138665	124062	121694
25°	112150	101927	106125
30°	77968	70998	84937
35°	48051	43493	64099
40°	27194	24381	42573
45°	13203	12598	29050
50°	5032	5032	24699
55°	2753	3259	22795
60°	2006	2588	18672
65°	1699	2205	15293
70°	1475	1891	12598
75°	1398	1949	10823
80°	821	1642	7861
85°	818	3271	7422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.1	10.6
10°-20°	698.9	26.7
20°-30°	786.7	30.1
30°-40°	487.1	18.6
40°-50°	194.0	7.4
50°-60°	88.3	3.4
60°-70°	50.8	1.9
70°-80°	24.1	0.9
80°-90°	7.0	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°	1763.6	67.4
0°-40°	2250.8	86.1
0°-60°	2533.1	96.9
0°-90°	2615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2615.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3037	3037	3037	3037	3037	
5°	3141	3083	2955	2890	2888	296
15°	2783	2662	2456	2356	2349	770
25°	1854	1804	1685	1727	1754	833
35°	718	714	650	905	958	461
45°	170	170	162	354	375	144
55°	29	28	34	210	238	29
65°	13	12	17	117	118	13
75°	7	7	9	50	51	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°	3037.3	3037.3	3037.3	3037.3	3037.3	3037.3	3037.3	3037.3	3037.3
2.5°	3106.7	3077.9	3071.4	3046.5	3004.5	2980.9	2966.5	2956.1	2974.4
5°	3140.8	3109.4	3083.1	3032.0	2954.7	2911.5	2890.5	2873.5	2887.9
7.5°	3115.9	3071.4	3036.0	2965.2	2866.9	2800.1	2771.3	2751.6	2764.7
10°	3025.5	2971.8	2931.2	2847.3	2739.8	2659.9	2624.5	2606.2	2619.3
12.5°	2907.6	2863.0	2801.4	2709.7	2594.4	2510.5	2484.3	2469.9	2475.2
15°	2783.1	2730.7	2662.5	2570.8	2455.5	2371.7	2355.9	2346.8	2349.4
17.5°	2602.3	2551.2	2492.2	2403.1	2297.0	2228.8	2228.8	2222.3	2226.2
20°	2376.9	2349.4	2291.7	2217.0	2126.6	2065.0	2084.7	2078.1	2086.0
22.5°	2133.2	2112.2	2062.4	2000.8	1924.8	1876.4	1919.6	1918.3	1928.8
25°	1854.1	1838.4	1804.3	1751.9	1685.1	1654.9	1727.0	1727.0	1754.5
27.5°	1546.2	1530.4	1506.9	1462.3	1407.3	1398.1	1504.2	1517.3	1547.5
30°	1231.7	1221.2	1208.1	1167.5	1121.6	1138.7	1285.4	1307.7	1341.8
32.5°	951.3	944.7	940.8	904.1	863.5	919.8	1087.6	1116.4	1150.4
35°	718.0	703.6	714.1	686.6	649.9	720.7	905.4	930.3	957.8
37.5°	529.4	518.9	528.1	508.4	475.6	552.9	727.2	742.9	761.3
40°	380.0	370.8	378.7	366.9	340.7	412.7	570.0	587.0	594.9
42.5°	269.9	254.2	262.1	252.9	239.8	310.5	448.1	463.8	466.5
45°	170.3	165.1	170.3	165.1	162.5	230.6	353.8	368.2	374.7
47.5°	103.5	97.0	97.0	94.3	97.0	170.3	292.2	313.2	323.6
50°	59.0	56.3	55.0	53.7	59.0	133.7	252.9	276.5	289.6
52.5°	39.3	38.0	38.0	36.7	43.2	112.7	228.0	249.0	262.1
55°	28.8	27.5	27.5	27.5	34.1	97.0	209.6	226.7	238.5
57.5°	22.3	22.3	22.3	21.0	28.8	82.5	187.4	196.5	205.7
60°	18.3	17.0	17.0	17.0	23.6	70.8	161.2	165.1	170.3
62.5°	14.4	14.4	14.4	14.4	19.7	62.9	138.9	138.9	141.5
65°	13.1	11.8	11.8	11.8	17.0	55.0	116.6	115.3	117.9
67.5°	10.5	10.5	10.5	10.5	14.4	47.2	95.7	94.3	97.0
70°	9.2	9.2	9.2	9.2	11.8	39.3	77.3	76.0	78.6
72.5°	7.9	7.9	7.9	7.9	10.5	32.8	61.6	61.6	62.9
75°	6.6	6.6	6.6	6.6	9.2	24.9	49.8	49.8	51.1
77.5°	5.2	5.2	5.2	5.2	6.6	19.7	38.0	36.7	36.7
80°	2.6	3.9	3.9	3.9	5.2	14.4	27.5	24.9	24.9
82.5°	1.3	2.6	2.6	2.6	5.2	10.5	18.3	17.0	17.0
85°	1.3	1.3	1.3	3.9	5.2	7.9	11.8	11.8	11.8
87.5°	0.0	1.3	2.6	5.2	6.6	6.6	7.9	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)