

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: P799566

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799566
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 6LBMDSWWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

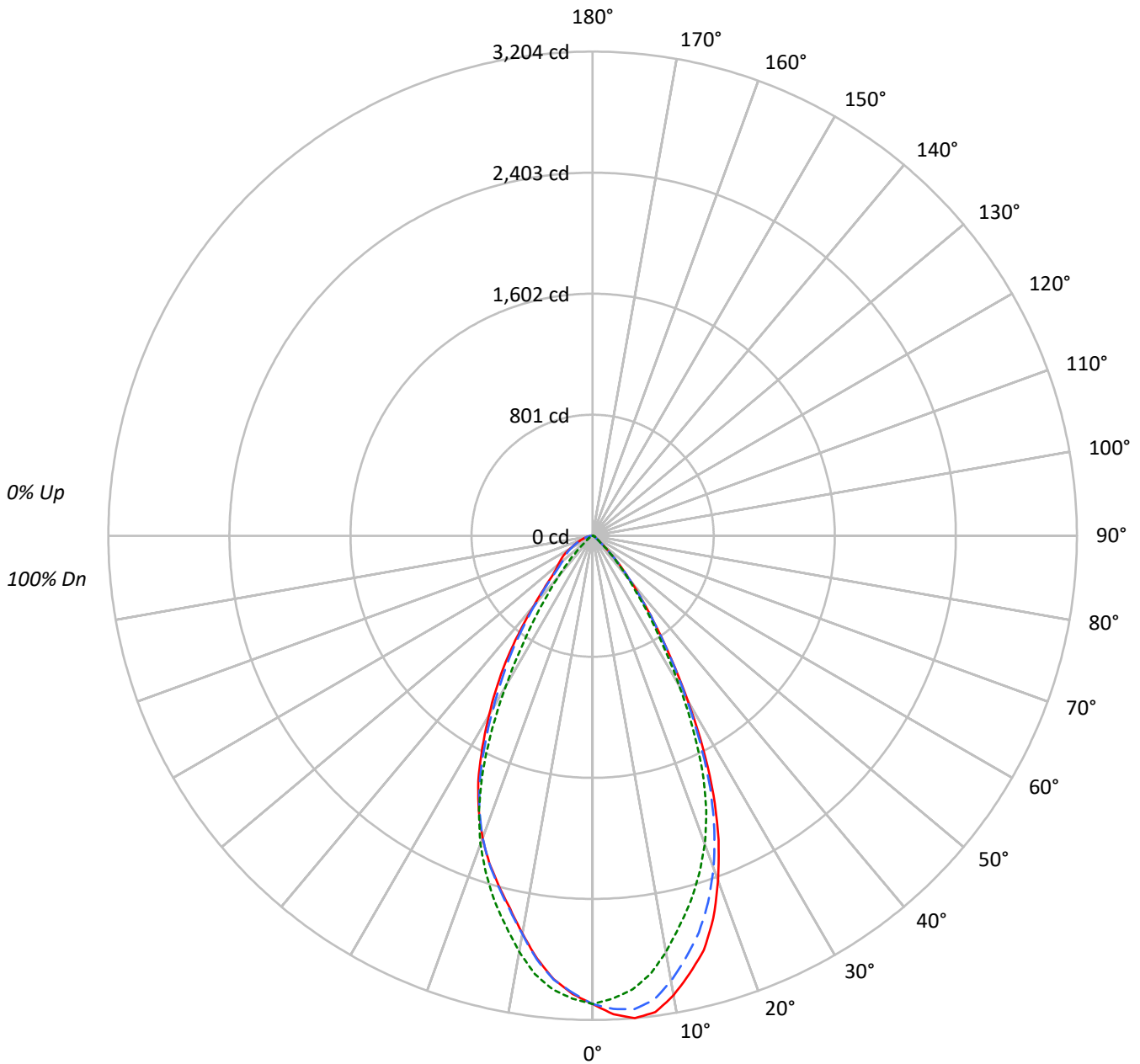
Lumens per Lamp: N/A
Luminaire Lumens: 2668.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	169877	169877	169877
5°	176342	165892	162139
10°	171829	155608	148761
15°	161153	142186	136039
20°	141476	126577	124162
25°	114424	103990	108278
30°	79550	72442	86653
35°	49028	44377	65397
40°	27745	24875	43431
45°	13474	12854	29639
50°	5134	5134	25193
55°	2810	3326	23254
60°	2050	2642	19055
65°	1738	2257	15605
70°	1507	1923	12855
75°	1419	1991	11035
80°	852	1673	8019
85°	818	3334	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.7	10.6
10°-20°	713.0	26.7
20°-30°	802.7	30.1
30°-40°	497.0	18.6
40°-50°	197.9	7.4
50°-60°	90.1	3.4
60°-70°	51.8	1.9
70°-80°	24.6	0.9
80°-90°	7.2	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°	1799.4	67.4
0°-40°	2296.4	86.1
0°-60°	2584.4	96.9
0°-90°	2668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2668.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3099	3099	3099	3099	3099	
5°	3204	3146	3015	2949	2946	302
15°	2840	2716	2505	2404	2397	786
25°	1892	1841	1719	1762	1790	850
35°	733	729	663	924	977	471
45°	174	174	166	361	382	147
55°	29	28	35	214	243	29
65°	13	12	17	119	120	13
75°	7	7	9	51	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°	3098.8	3098.8	3098.8	3098.8	3098.8	3098.8	3098.8	3098.8	3098.8
2.5°	3169.7	3140.3	3133.6	3108.2	3065.4	3041.4	3026.7	3016.0	3034.7
5°	3204.5	3172.4	3145.6	3093.5	3014.6	2970.5	2949.1	2931.7	2946.4
7.5°	3179.1	3133.6	3097.5	3025.3	2925.1	2856.9	2827.5	2807.4	2820.8
10°	3086.8	3032.0	2990.6	2905.0	2795.4	2713.8	2677.7	2659.0	2672.4
12.5°	2966.5	2921.0	2858.2	2764.6	2647.0	2561.4	2534.7	2520.0	2525.3
15°	2839.5	2786.0	2716.5	2622.9	2505.3	2419.7	2403.7	2394.3	2397.0
17.5°	2655.0	2602.9	2542.7	2451.8	2343.5	2274.0	2274.0	2267.3	2271.3
20°	2425.1	2397.0	2338.2	2262.0	2169.7	2106.9	2126.9	2120.3	2128.3
22.5°	2176.4	2155.0	2104.2	2041.4	1963.9	1914.4	1958.5	1957.2	1967.9
25°	1891.7	1875.6	1840.9	1787.4	1719.2	1688.5	1762.0	1762.0	1790.1
27.5°	1577.5	1561.5	1537.4	1491.9	1435.8	1426.4	1534.7	1548.1	1578.8
30°	1256.7	1246.0	1232.6	1191.1	1144.4	1161.7	1311.5	1334.2	1368.9
32.5°	970.6	963.9	959.9	922.4	881.0	938.5	1109.6	1139.0	1173.8
35°	732.6	717.9	728.6	700.5	663.1	735.3	923.8	949.2	977.2
37.5°	540.1	529.4	538.8	518.7	485.3	564.2	742.0	758.0	776.7
40°	387.7	378.3	386.4	374.3	347.6	421.1	581.5	598.9	606.9
42.5°	275.4	259.4	267.4	258.0	244.6	316.8	457.2	473.2	475.9
45°	173.8	168.4	173.8	168.4	165.8	235.3	361.0	375.7	382.3
47.5°	105.6	98.9	98.9	96.3	98.9	173.8	298.1	319.5	330.2
50°	60.2	57.5	56.1	54.8	60.2	136.4	258.0	282.1	295.4
52.5°	40.1	38.8	38.8	37.4	44.1	115.0	232.6	254.0	267.4
55°	29.4	28.1	28.1	28.1	34.8	98.9	213.9	231.3	243.3
57.5°	22.7	22.7	22.7	21.4	29.4	84.2	191.2	200.5	209.9
60°	18.7	17.4	17.4	17.4	24.1	72.2	164.4	168.4	173.8
62.5°	14.7	14.7	14.7	14.7	20.1	64.2	141.7	141.7	144.4
65°	13.4	12.0	12.0	12.0	17.4	56.1	119.0	117.6	120.3
67.5°	10.7	10.7	10.7	10.7	14.7	48.1	97.6	96.3	98.9
70°	9.4	9.4	9.4	9.4	12.0	40.1	78.9	77.5	80.2
72.5°	8.0	8.0	8.0	8.0	10.7	33.4	62.8	62.8	64.2
75°	6.7	6.7	6.7	6.7	9.4	25.4	50.8	50.8	52.1
77.5°	5.3	5.3	5.3	5.3	6.7	20.1	38.8	37.4	37.4
80°	2.7	4.0	4.0	4.0	5.3	14.7	28.1	25.4	25.4
82.5°	1.3	2.7	2.7	2.7	5.3	10.7	18.7	17.4	17.4
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	6.7	6.7	8.0	6.7	6.7
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)