

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: P799537

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C30D010 EU6309027 6LBMDDWWMH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

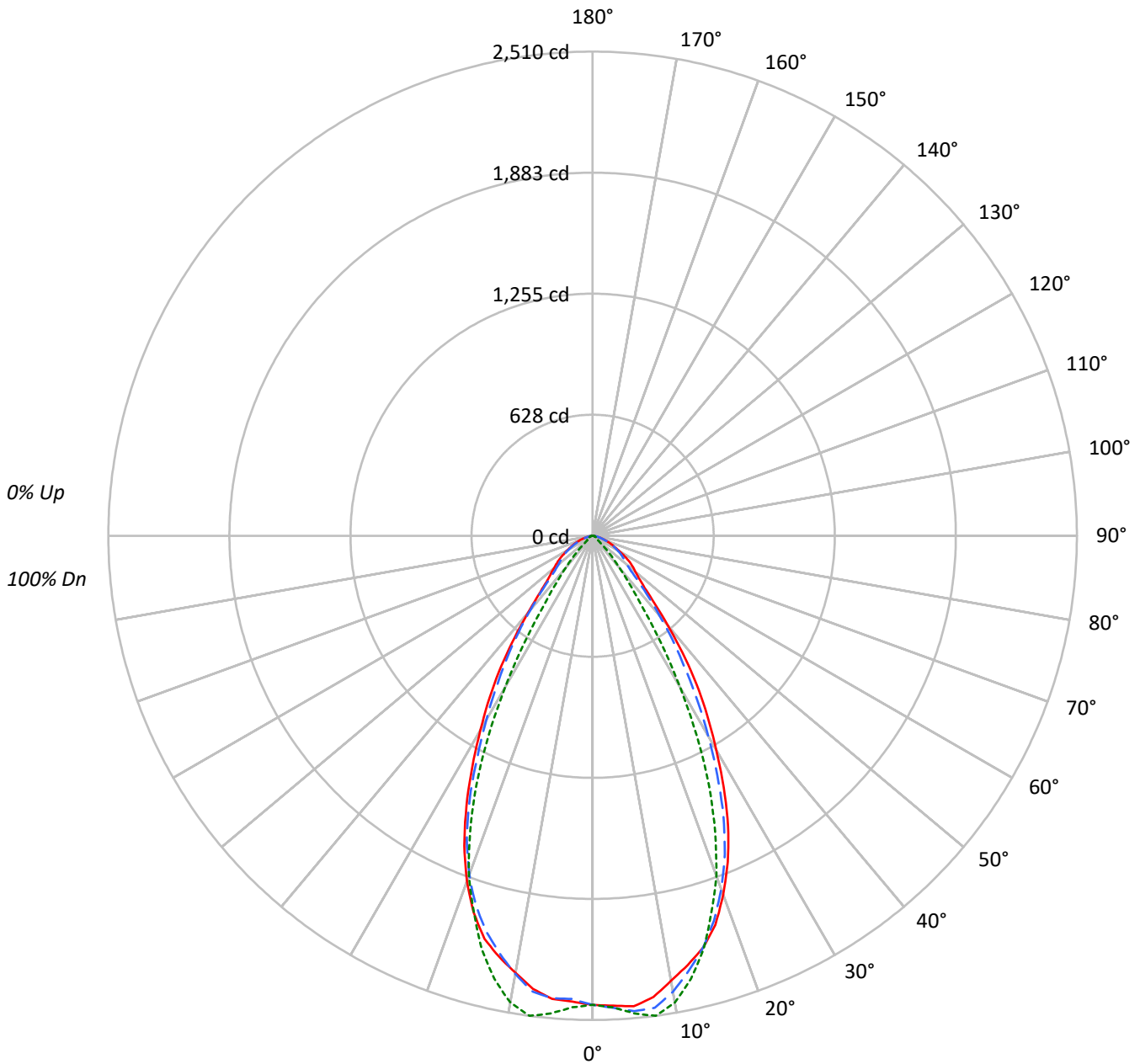
Lumens per Lamp: N/A
Luminaire Lumens: 2476.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	133328	133328	133328
5°	134723	136765	132610
10°	130358	136760	128087
15°	125460	125954	122793
20°	115469	109408	111140
25°	100494	86273	93610
30°	81050	57319	73530
35°	62834	29553	55218
40°	43116	15314	37184
45°	29538	7675	26088
50°	24579	3266	22370
55°	22107	2839	19985
60°	17499	2708	16687
65°	14437	2413	14282
70°	11701	2180	11701
75°	8642	2351	9171
80°	5083	1957	5462
85°	3900	2327	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	9.4
10°-20°	607.6	24.5
20°-30°	693.6	28.0
30°-40°	460.0	18.6
40°-50°	221.8	9.0
50°-60°	136.5	5.5
60°-70°	82.6	3.3
70°-80°	34.7	1.4
80°-90°	7.7	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°	1532.7	61.9
0°-40°	1992.7	80.5
0°-60°	2351.0	95.0
0°-90°	2476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2476.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2432	2432	2432	2432	2432	
5°	2448	2474	2485	2406	2410	230
15°	2211	2211	2219	2125	2164	616
25°	1661	1606	1426	1509	1548	753
35°	939	828	442	772	825	581
45°	381	334	99	312	336	311
55°	231	188	30	188	209	203
65°	111	106	19	100	110	112
75°	41	41	11	38	43	44
85°	6	9	4	6	6	8
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°	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1
2.5°	2438.3	2442.0	2449.4	2450.6	2446.9	2423.4	2403.6	2411.1	2417.2
5°	2448.2	2455.6	2474.1	2491.5	2485.3	2445.7	2406.1	2404.9	2409.8
7.5°	2412.3	2429.6	2468.0	2511.3	2510.0	2442.0	2383.8	2369.0	2369.0
10°	2341.8	2357.9	2399.9	2458.1	2456.8	2371.5	2307.1	2299.7	2301.0
12.5°	2278.7	2286.1	2307.1	2352.9	2352.9	2268.8	2219.3	2226.7	2236.6
15°	2210.6	2215.6	2210.6	2225.5	2219.3	2150.0	2125.3	2148.8	2163.6
17.5°	2114.2	2116.6	2090.7	2070.9	2047.4	2004.1	2010.2	2044.9	2048.6
20°	1979.3	1995.4	1948.4	1897.7	1875.4	1834.6	1869.2	1907.6	1905.1
22.5°	1830.9	1849.4	1788.8	1704.7	1658.9	1642.8	1704.7	1739.3	1738.1
25°	1661.4	1675.0	1605.7	1488.2	1426.3	1423.9	1509.2	1545.1	1547.6
27.5°	1470.9	1475.8	1397.9	1244.5	1167.8	1186.4	1294.0	1343.5	1349.6
30°	1280.4	1277.9	1197.5	1007.0	905.5	956.3	1101.0	1155.4	1161.6
32.5°	1105.9	1098.5	1007.0	779.4	658.1	733.6	924.1	981.0	990.9
35°	938.9	926.6	827.6	576.5	441.6	554.2	771.9	821.4	825.1
37.5°	764.5	758.3	680.4	431.7	308.0	420.6	629.7	665.5	661.8
40°	602.5	602.5	538.1	320.4	214.0	313.0	498.5	530.7	519.6
42.5°	472.6	478.7	424.3	236.3	152.2	232.6	394.6	424.3	411.9
45°	381.0	381.0	334.0	175.7	99.0	173.2	311.7	339.0	336.5
47.5°	322.9	317.9	270.9	128.7	54.4	129.9	262.3	295.7	294.4
50°	288.2	280.8	232.6	101.4	38.3	107.6	230.1	261.0	262.3
52.5°	261.0	249.9	209.1	90.3	33.4	94.0	209.1	233.8	233.8
55°	231.3	225.1	188.0	80.4	29.7	84.1	188.0	210.3	209.1
57.5°	195.5	194.2	168.2	73.0	27.2	74.2	168.2	181.8	176.9
60°	159.6	164.5	146.0	65.6	24.7	66.8	143.5	154.6	152.2
62.5°	133.6	139.8	127.4	58.1	21.0	59.4	121.2	132.4	129.9
65°	111.3	116.3	106.4	49.5	18.6	49.5	100.2	110.1	110.1
67.5°	91.5	95.3	87.8	40.8	16.1	40.8	81.6	90.3	91.5
70°	73.0	75.5	69.3	32.2	13.6	33.4	64.3	73.0	73.0
72.5°	56.9	58.1	54.4	26.0	12.4	26.0	49.5	56.9	56.9
75°	40.8	43.3	40.8	19.8	11.1	19.8	38.3	42.1	43.3
77.5°	23.5	29.7	29.7	16.1	8.7	14.8	27.2	28.5	28.5
80°	16.1	18.6	21.0	11.1	6.2	11.1	17.3	18.6	17.3
82.5°	11.1	12.4	12.4	7.4	4.9	7.4	11.1	12.4	11.1
85°	6.2	8.7	8.7	6.2	3.7	4.9	6.2	7.4	6.2
87.5°	3.7	4.9	6.2	4.9	3.7	3.7	3.7	3.7	2.5
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)