

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: P799558

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799558
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 EU6309035 6LBMDDWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

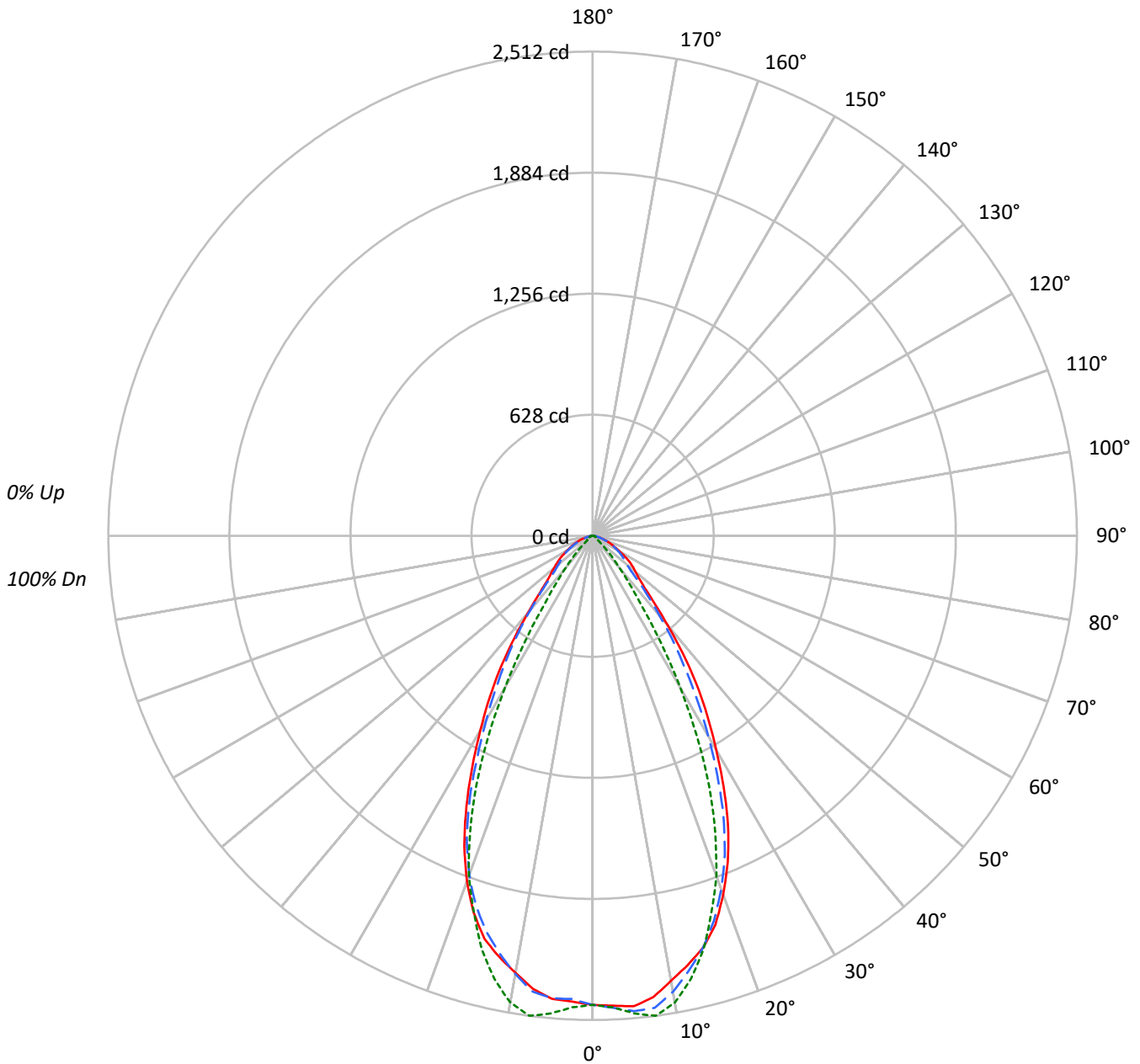
Lumens per Lamp: N/A
Luminaire Lumens: 2478.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	133438	133438	133438
5°	134828	136875	132720
10°	130464	136871	128187
15°	125563	126056	122895
20°	115563	109495	111228
25°	100572	86346	93683
30°	81114	57370	73587
35°	62888	29580	55265
40°	43145	15329	37213
45°	29561	7675	26111
50°	24605	3275	22387
55°	22126	2839	19995
60°	17510	2719	16698
65°	14450	2413	14295
70°	11701	2180	11701
75°	8663	2351	9171
80°	5083	1957	5462
85°	3900	2327	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	9.4
10°-20°	608.1	24.5
20°-30°	694.1	28.0
30°-40°	460.3	18.6
40°-50°	222.0	9.0
50°-60°	136.6	5.5
60°-70°	82.6	3.3
70°-80°	34.8	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°	1534.0	61.9
0°-40°	1994.3	80.5
0°-60°	2352.9	95.0
0°-90°	2478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2434	2434	2434	2434	2434	
5°	2450	2476	2487	2408	2412	230
15°	2212	2212	2221	2127	2165	617
25°	1663	1607	1428	1510	1549	754
35°	940	828	442	773	826	581
45°	381	334	99	312	337	311
55°	232	188	30	188	209	204
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°	2434.1	2434.1	2434.1	2434.1	2434.1	2434.1	2434.1	2434.1	2434.1
2.5°	2440.2	2444.0	2451.4	2452.6	2448.9	2425.4	2405.6	2413.0	2419.2
5°	2450.1	2457.6	2476.1	2493.5	2487.3	2447.7	2408.1	2406.8	2411.8
7.5°	2414.2	2431.6	2470.0	2513.3	2512.0	2444.0	2385.8	2370.9	2370.9
10°	2343.7	2359.8	2401.9	2460.0	2458.8	2373.4	2309.0	2301.6	2302.8
12.5°	2280.5	2288.0	2309.0	2354.8	2354.8	2270.6	2221.1	2228.5	2238.4
15°	2212.4	2217.4	2212.4	2227.3	2221.1	2151.8	2127.0	2150.5	2165.4
17.5°	2115.9	2118.3	2092.3	2072.5	2049.0	2005.7	2011.9	2046.5	2050.2
20°	1980.9	1997.0	1950.0	1899.2	1876.9	1836.1	1870.7	1909.1	1906.6
22.5°	1832.3	1850.9	1790.3	1706.1	1660.3	1644.2	1706.1	1740.7	1739.5
25°	1662.7	1676.3	1607.0	1489.4	1427.5	1425.0	1510.4	1546.4	1548.8
27.5°	1472.1	1477.0	1399.0	1245.5	1168.7	1187.3	1295.0	1344.5	1350.7
30°	1281.4	1278.9	1198.5	1007.8	906.3	957.0	1101.9	1156.4	1162.5
32.5°	1106.8	1099.4	1007.8	780.0	658.7	734.2	924.8	981.8	991.7
35°	939.7	927.3	828.3	576.9	442.0	554.7	772.6	822.1	825.8
37.5°	765.1	758.9	680.9	432.1	308.3	420.9	630.2	666.1	662.4
40°	602.9	602.9	538.6	320.7	214.2	313.2	498.9	531.1	520.0
42.5°	472.9	479.1	424.7	236.5	152.3	232.8	394.9	424.7	412.3
45°	381.3	381.3	334.3	175.8	99.0	173.3	312.0	339.2	336.8
47.5°	323.1	318.2	271.1	128.8	54.5	130.0	262.5	295.9	294.7
50°	288.5	281.0	232.8	101.5	38.4	107.7	230.3	261.2	262.5
52.5°	261.2	250.1	209.2	90.4	33.4	94.1	209.2	234.0	234.0
55°	231.5	225.3	188.2	80.5	29.7	84.2	188.2	210.5	209.2
57.5°	195.6	194.4	168.4	73.0	27.2	74.3	168.4	182.0	177.0
60°	159.7	164.7	146.1	65.6	24.8	66.9	143.6	154.8	152.3
62.5°	133.7	139.9	127.5	58.2	21.0	59.4	121.3	132.5	130.0
65°	111.4	116.4	106.5	49.5	18.6	49.5	100.3	110.2	110.2
67.5°	91.6	95.3	87.9	40.9	16.1	40.9	81.7	90.4	91.6
70°	73.0	75.5	69.3	32.2	13.6	33.4	64.4	73.0	73.0
72.5°	57.0	58.2	54.5	26.0	12.4	26.0	49.5	57.0	57.0
75°	40.9	43.3	40.9	19.8	11.1	19.8	38.4	42.1	43.3
77.5°	23.5	29.7	29.7	16.1	8.7	14.9	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	5.0	7.4	11.1	12.4	11.1
85°	6.2	8.7	8.7	6.2	3.7	5.0	6.2	7.4	6.2
87.5°	3.7	5.0	6.2	5.0	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)