

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: P799570

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799570
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 EU6309040 6LBMDDWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

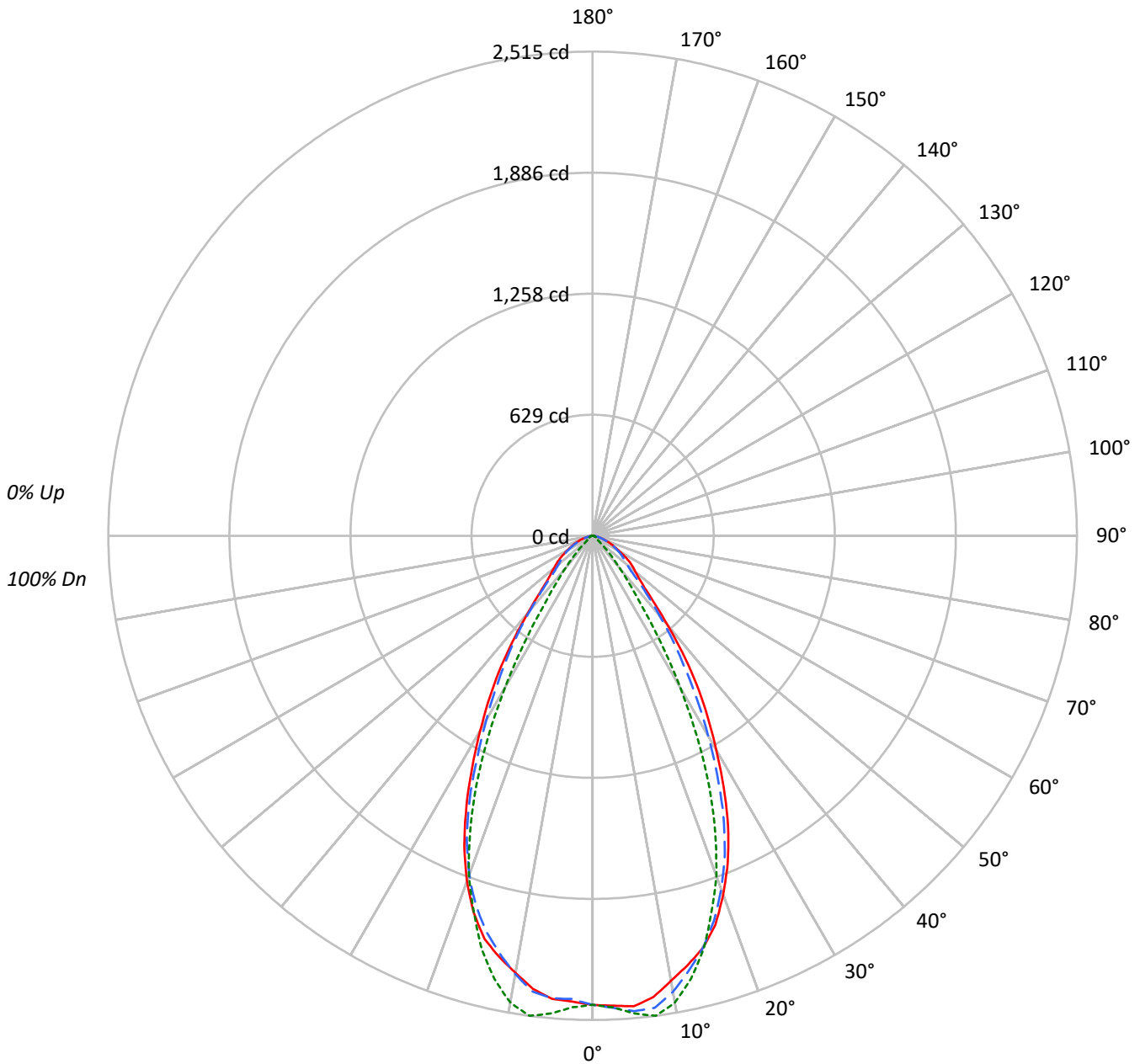
Lumens per Lamp: N/A
Luminaire Lumens: 2481.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	133597	133597	133597
5°	134993	137040	132880
10°	130620	137038	128343
15°	125716	126210	123043
20°	115703	109630	111362
25°	100693	86449	93798
30°	81215	57439	73682
35°	62961	29613	55332
40°	43202	15343	37256
45°	29600	7691	26142
50°	24630	3275	22413
55°	22155	2839	20023
60°	17531	2719	16720
65°	14476	2413	14308
70°	11717	2180	11717
75°	8663	2372	9193
80°	5083	1957	5493
85°	3900	2327	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.0	9.4
10°-20°	608.9	24.5
20°-30°	695.0	28.0
30°-40°	460.9	18.6
40°-50°	222.3	9.0
50°-60°	136.7	5.5
60°-70°	82.7	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°	1535.8	61.9
0°-40°	1996.7	80.5
0°-60°	2355.8	95.0
0°-90°	2481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2481.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2437	2437	2437	2437	2437	
5°	2453	2479	2490	2411	2415	230
15°	2215	2215	2224	2130	2168	617
25°	1665	1609	1429	1512	1551	755
35°	941	829	442	774	827	582
45°	382	335	99	312	337	311
55°	232	188	30	188	210	204
65°	112	107	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°	2437.0	2437.0	2437.0	2437.0	2437.0	2437.0	2437.0	2437.0	2437.0
2.5°	2443.2	2446.9	2454.4	2455.6	2451.9	2428.3	2408.5	2415.9	2422.1
5°	2453.1	2460.5	2479.1	2496.5	2490.3	2450.6	2411.0	2409.7	2414.7
7.5°	2417.2	2434.5	2472.9	2516.3	2515.1	2446.9	2388.7	2373.8	2373.8
10°	2346.5	2362.6	2404.8	2463.0	2461.8	2376.3	2311.8	2304.4	2305.6
12.5°	2283.3	2290.7	2311.8	2357.7	2357.7	2273.4	2223.8	2231.2	2241.1
15°	2215.1	2220.1	2215.1	2230.0	2223.8	2154.4	2129.6	2153.1	2168.0
17.5°	2118.4	2120.9	2094.9	2075.0	2051.5	2008.1	2014.3	2049.0	2052.7
20°	1983.3	1999.4	1952.3	1901.5	1879.2	1838.3	1873.0	1911.4	1908.9
22.5°	1834.6	1853.2	1792.4	1708.1	1662.3	1646.2	1708.1	1742.8	1741.6
25°	1664.7	1678.4	1609.0	1491.2	1429.2	1426.7	1512.3	1548.2	1550.7
27.5°	1473.9	1478.8	1400.7	1247.0	1170.2	1188.7	1296.6	1346.2	1352.4
30°	1283.0	1280.5	1199.9	1009.0	907.4	958.2	1103.2	1157.8	1164.0
32.5°	1108.2	1100.7	1009.0	780.9	659.5	735.1	926.0	983.0	992.9
35°	940.8	928.4	829.3	577.6	442.5	555.3	773.5	823.1	826.8
37.5°	766.1	759.9	681.8	432.6	308.7	421.5	630.9	666.9	663.2
40°	603.7	603.7	539.2	321.0	214.4	313.6	499.5	531.8	520.6
42.5°	473.5	479.7	425.2	236.8	152.5	233.0	395.4	425.2	412.8
45°	381.8	381.8	334.7	176.0	99.2	173.5	312.4	339.6	337.2
47.5°	323.5	318.6	271.5	128.9	54.5	130.2	262.8	296.3	295.0
50°	288.8	281.4	233.0	101.6	38.4	107.8	230.6	261.5	262.8
52.5°	261.5	250.4	209.5	90.5	33.5	94.2	209.5	234.3	234.3
55°	231.8	225.6	188.4	80.6	29.7	84.3	188.4	210.7	209.5
57.5°	195.9	194.6	168.6	73.1	27.3	74.4	168.6	182.2	177.3
60°	159.9	164.9	146.3	65.7	24.8	66.9	143.8	154.9	152.5
62.5°	133.9	140.1	127.7	58.3	21.1	59.5	121.5	132.6	130.2
65°	111.6	116.5	106.6	49.6	18.6	49.6	100.4	110.3	110.3
67.5°	91.7	95.4	88.0	40.9	16.1	40.9	81.8	90.5	91.7
70°	73.1	75.6	69.4	32.2	13.6	33.5	64.5	73.1	73.1
72.5°	57.0	58.3	54.5	26.0	12.4	26.0	49.6	57.0	57.0
75°	40.9	43.4	40.9	19.8	11.2	19.8	38.4	42.1	43.4
77.5°	23.6	29.7	29.7	16.1	8.7	14.9	27.3	28.5	28.5
80°	16.1	18.6	21.1	11.2	6.2	11.2	17.4	18.6	17.4
82.5°	11.2	12.4	12.4	7.4	5.0	7.4	11.2	12.4	11.2
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)