

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: P799483

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799483
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: LD6C25D010 EU6259027 6LBMDSWWMH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

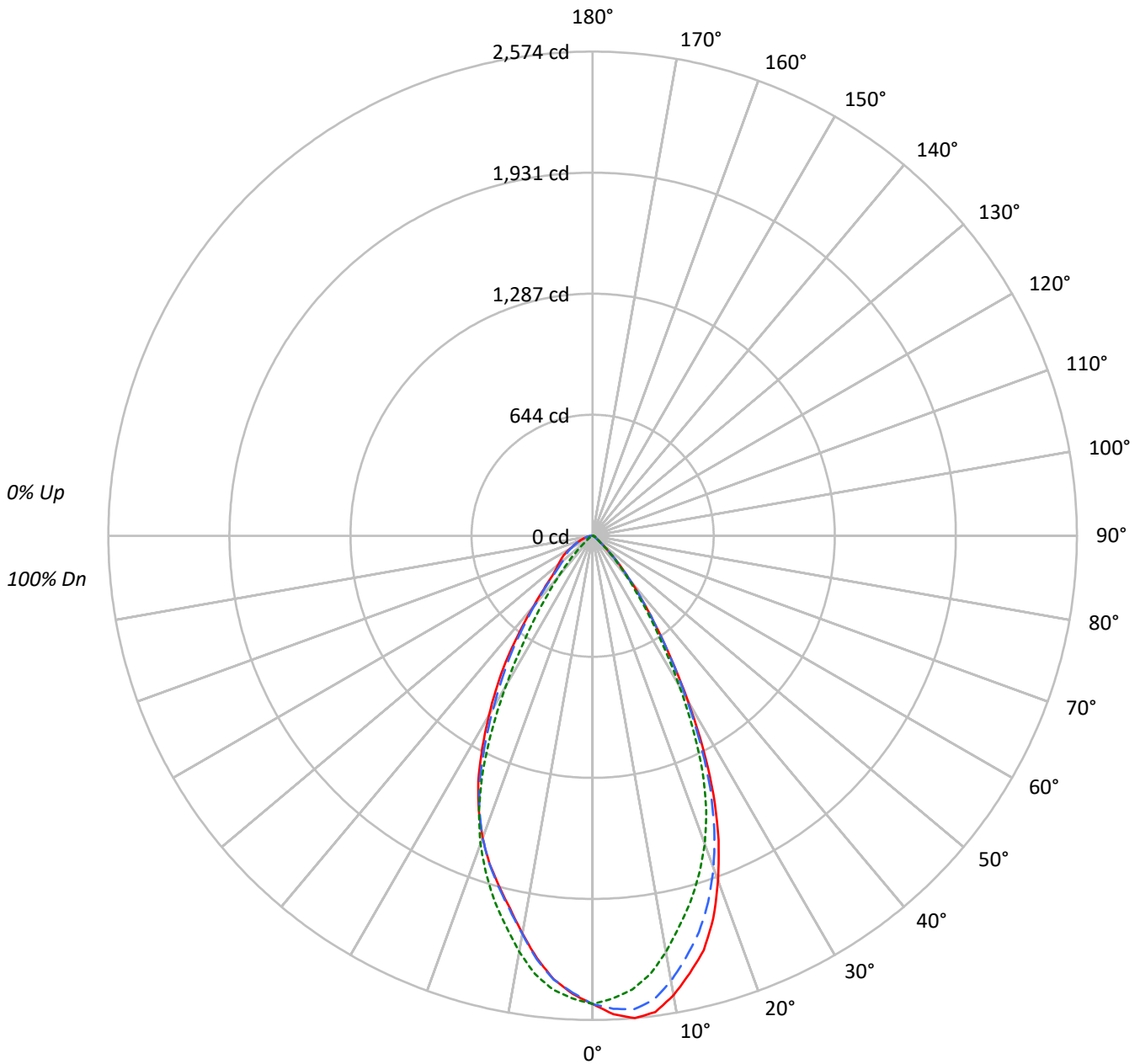
Lumens per Lamp: N/A
Luminaire Lumens: 2143.0 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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°	136453	136453	136453
5°	141641	133249	130238
10°	138018	124987	119487
15°	129445	114206	109269
20°	113637	101672	99730
25°	91905	83527	86969
30°	63896	58186	69606
35°	39378	35643	52528
40°	22285	19980	34887
45°	10823	10327	23809
50°	4119	4119	20238
55°	2256	2667	18676
60°	1645	2116	15306
65°	1388	1816	12531
70°	1202	1555	10322
75°	1144	1589	8875
80°	663	1357	6440
85°	692	2705	6101



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	10.6
10°-20°	572.7	26.7
20°-30°	644.7	30.1
30°-40°	399.2	18.6
40°-50°	159.0	7.4
50°-60°	72.4	3.4
60°-70°	41.6	1.9
70°-80°	19.8	0.9
80°-90°	5.8	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°	1445.3	67.4
0°-40°	1844.5	86.1
0°-60°	2075.9	96.9
0°-90°	2143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2143.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2489	2489	2489	2489	2489	
5°	2574	2527	2421	2369	2367	242
15°	2281	2182	2012	1931	1925	631
25°	1519	1479	1381	1415	1438	683
35°	588	585	533	742	785	378
45°	140	140	133	290	307	118
55°	24	22	28	172	195	23
65°	11	10	14	96	97	10
75°	5	5	8	41	42	6
85°	1	1	4	10	10	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°	2489.1	2489.1	2489.1	2489.1	2489.1	2489.1	2489.1	2489.1	2489.1
2.5°	2546.0	2522.4	2517.0	2496.6	2462.2	2442.9	2431.1	2422.5	2437.5
5°	2573.9	2548.1	2526.7	2484.8	2421.4	2386.0	2368.8	2354.8	2366.7
7.5°	2553.5	2517.0	2488.0	2430.0	2349.5	2294.7	2271.1	2255.0	2265.7
10°	2479.4	2435.4	2402.1	2333.4	2245.3	2179.8	2150.8	2135.8	2146.5
12.5°	2382.8	2346.3	2295.8	2220.6	2126.1	2057.4	2035.9	2024.1	2028.4
15°	2280.8	2237.8	2182.0	2106.8	2012.3	1943.6	1930.7	1923.2	1925.3
17.5°	2132.6	2090.7	2042.4	1969.3	1882.4	1826.5	1826.5	1821.2	1824.4
20°	1947.9	1925.3	1878.1	1816.9	1742.8	1692.3	1708.4	1703.0	1709.5
22.5°	1748.1	1731.0	1690.2	1639.7	1577.4	1537.7	1573.1	1572.0	1580.6
25°	1519.4	1506.5	1478.6	1435.7	1380.9	1356.2	1415.3	1415.3	1437.8
27.5°	1267.1	1254.2	1234.9	1198.4	1153.3	1145.7	1232.7	1243.5	1268.2
30°	1009.4	1000.8	990.0	956.8	919.2	933.1	1053.4	1071.7	1099.6
32.5°	779.6	774.2	771.0	740.9	707.6	753.8	891.3	914.9	942.8
35°	588.4	576.6	585.2	562.7	532.6	590.6	742.0	762.4	784.9
37.5°	433.8	425.2	432.7	416.6	389.8	453.1	596.0	608.8	623.9
40°	311.4	303.9	310.3	300.7	279.2	338.2	467.1	481.1	487.5
42.5°	221.2	208.3	214.8	207.2	196.5	254.5	367.2	380.1	382.3
45°	139.6	135.3	139.6	135.3	133.2	189.0	289.9	301.7	307.1
47.5°	84.8	79.5	79.5	77.3	79.5	139.6	239.5	256.6	265.2
50°	48.3	46.2	45.1	44.0	48.3	109.5	207.2	226.6	237.3
52.5°	32.2	31.1	31.1	30.1	35.4	92.3	186.8	204.0	214.8
55°	23.6	22.5	22.5	22.5	27.9	79.5	171.8	185.8	195.4
57.5°	18.3	18.3	18.3	17.2	23.6	67.6	153.6	161.1	168.6
60°	15.0	14.0	14.0	14.0	19.3	58.0	132.1	135.3	139.6
62.5°	11.8	11.8	11.8	11.8	16.1	51.5	113.8	113.8	116.0
65°	10.7	9.7	9.7	9.7	14.0	45.1	95.6	94.5	96.6
67.5°	8.6	8.6	8.6	8.6	11.8	38.7	78.4	77.3	79.5
70°	7.5	7.5	7.5	7.5	9.7	32.2	63.4	62.3	64.4
72.5°	6.4	6.4	6.4	6.4	8.6	26.8	50.5	50.5	51.5
75°	5.4	5.4	5.4	5.4	7.5	20.4	40.8	40.8	41.9
77.5°	4.3	4.3	4.3	4.3	5.4	16.1	31.1	30.1	30.1
80°	2.1	3.2	3.2	3.2	4.3	11.8	22.5	20.4	20.4
82.5°	1.1	2.1	2.1	2.1	4.3	8.6	15.0	14.0	14.0
85°	1.1	1.1	1.1	3.2	4.3	6.4	9.7	9.7	9.7
87.5°	0.0	1.1	2.1	4.3	5.4	5.4	6.4	5.4	5.4
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)