

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: P799519

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799519
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 EU6259040 6LBMDSWWMH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

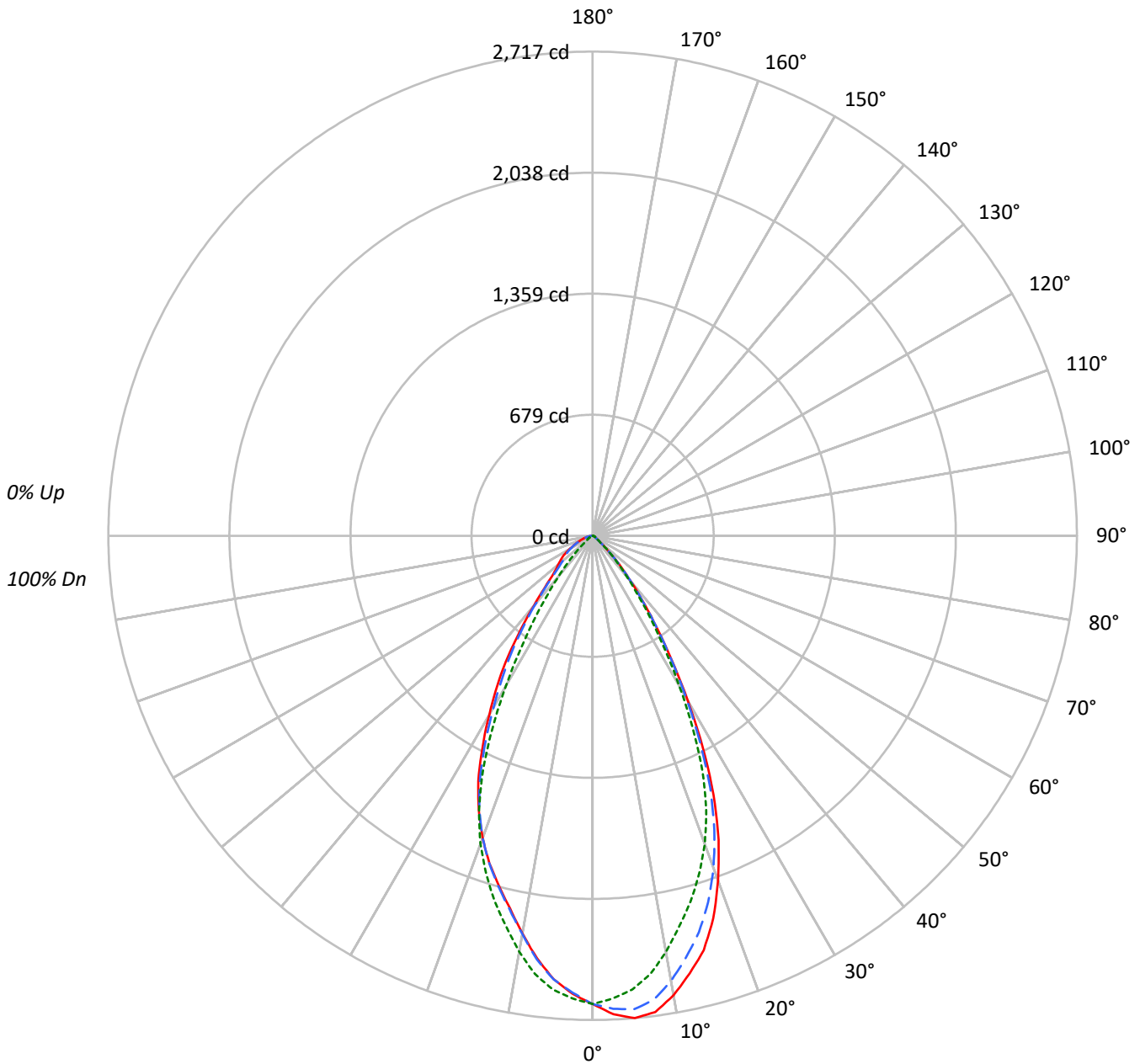
Lumens per Lamp: N/A
Luminaire Lumens: 2262.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	144029	144029	144029
5°	149504	140650	137469
10°	145683	131928	126122
15°	136630	120546	115336
20°	119944	107319	105266
25°	97010	88166	91802
30°	67441	61415	73467
35°	41566	37624	55446
40°	23523	21090	36826
45°	11420	10893	25134
50°	4350	4350	21364
55°	2380	2819	19717
60°	1743	2237	16150
65°	1466	1907	13231
70°	1266	1635	10899
75°	1207	1673	9362
80°	726	1421	6787
85°	692	2830	6416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.5	10.6
10°-20°	604.5	26.7
20°-30°	680.5	30.1
30°-40°	421.4	18.6
40°-50°	167.8	7.4
50°-60°	76.4	3.4
60°-70°	43.9	1.9
70°-80°	20.9	0.9
80°-90°	6.1	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°	1525.6	67.4
0°-40°	1946.9	86.1
0°-60°	2191.2	96.9
0°-90°	2262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2262.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2627	2627	2627	2627	2627	
5°	2717	2667	2556	2500	2498	256
15°	2407	2303	2124	2038	2032	666
25°	1604	1561	1458	1494	1518	721
35°	621	618	562	783	828	399
45°	147	147	140	306	324	125
55°	25	24	30	181	206	25
65°	11	10	15	101	102	11
75°	6	6	8	43	44	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°	2627.3	2627.3	2627.3	2627.3	2627.3	2627.3	2627.3	2627.3	2627.3
2.5°	2687.4	2662.4	2656.8	2635.2	2598.9	2578.5	2566.1	2557.0	2572.9
5°	2716.8	2689.6	2667.0	2622.8	2555.9	2518.5	2500.3	2485.6	2498.1
7.5°	2695.3	2656.8	2626.2	2564.9	2479.9	2422.1	2397.2	2380.2	2391.5
10°	2617.1	2570.6	2535.5	2462.9	2370.0	2300.9	2270.3	2254.4	2265.7
12.5°	2515.1	2476.5	2423.3	2343.9	2244.2	2171.6	2149.0	2136.5	2141.0
15°	2407.4	2362.1	2303.1	2223.8	2124.0	2051.5	2037.9	2030.0	2032.2
17.5°	2251.0	2206.8	2155.8	2078.7	1986.9	1928.0	1928.0	1922.3	1925.7
20°	2056.0	2032.2	1982.4	1917.8	1839.6	1786.3	1803.3	1797.6	1804.4
22.5°	1845.2	1827.1	1784.0	1730.7	1665.0	1623.1	1660.5	1659.3	1668.4
25°	1603.8	1590.2	1560.7	1515.4	1457.6	1431.5	1493.9	1493.9	1517.7
27.5°	1337.4	1323.8	1303.4	1264.9	1217.3	1209.4	1301.2	1312.5	1338.6
30°	1065.4	1056.4	1045.0	1009.9	970.2	984.9	1111.9	1131.2	1160.6
32.5°	822.9	817.2	813.8	782.1	746.9	795.7	940.7	965.7	995.1
35°	621.1	608.7	617.7	593.9	562.2	623.4	783.2	804.7	828.5
37.5°	457.9	448.8	456.8	439.8	411.4	478.3	629.1	642.7	658.5
40°	328.7	320.8	327.6	317.4	294.7	357.0	493.0	507.8	514.6
42.5°	233.5	219.9	226.7	218.8	207.4	268.6	387.6	401.2	403.5
45°	147.3	142.8	147.3	142.8	140.5	199.5	306.0	318.5	324.2
47.5°	89.5	83.9	83.9	81.6	83.9	147.3	252.8	270.9	280.0
50°	51.0	48.7	47.6	46.5	51.0	115.6	218.8	239.2	250.5
52.5°	34.0	32.9	32.9	31.7	37.4	97.5	197.2	215.4	226.7
55°	24.9	23.8	23.8	23.8	29.5	83.9	181.3	196.1	206.3
57.5°	19.3	19.3	19.3	18.1	24.9	71.4	162.1	170.0	177.9
60°	15.9	14.7	14.7	14.7	20.4	61.2	139.4	142.8	147.3
62.5°	12.5	12.5	12.5	12.5	17.0	54.4	120.1	120.1	122.4
65°	11.3	10.2	10.2	10.2	14.7	47.6	100.9	99.7	102.0
67.5°	9.1	9.1	9.1	9.1	12.5	40.8	82.7	81.6	83.9
70°	7.9	7.9	7.9	7.9	10.2	34.0	66.9	65.7	68.0
72.5°	6.8	6.8	6.8	6.8	9.1	28.3	53.3	53.3	54.4
75°	5.7	5.7	5.7	5.7	7.9	21.5	43.1	43.1	44.2
77.5°	4.5	4.5	4.5	4.5	5.7	17.0	32.9	31.7	31.7
80°	2.3	3.4	3.4	3.4	4.5	12.5	23.8	21.5	21.5
82.5°	1.1	2.3	2.3	2.3	4.5	9.1	15.9	14.7	14.7
85°	1.1	1.1	1.1	3.4	4.5	6.8	10.2	10.2	10.2
87.5°	0.0	1.1	2.3	4.5	5.7	5.7	6.8	5.7	5.7
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)