

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: P799484

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799484
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: LD6C25D010 EU6259030 6LBMDDWGPH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

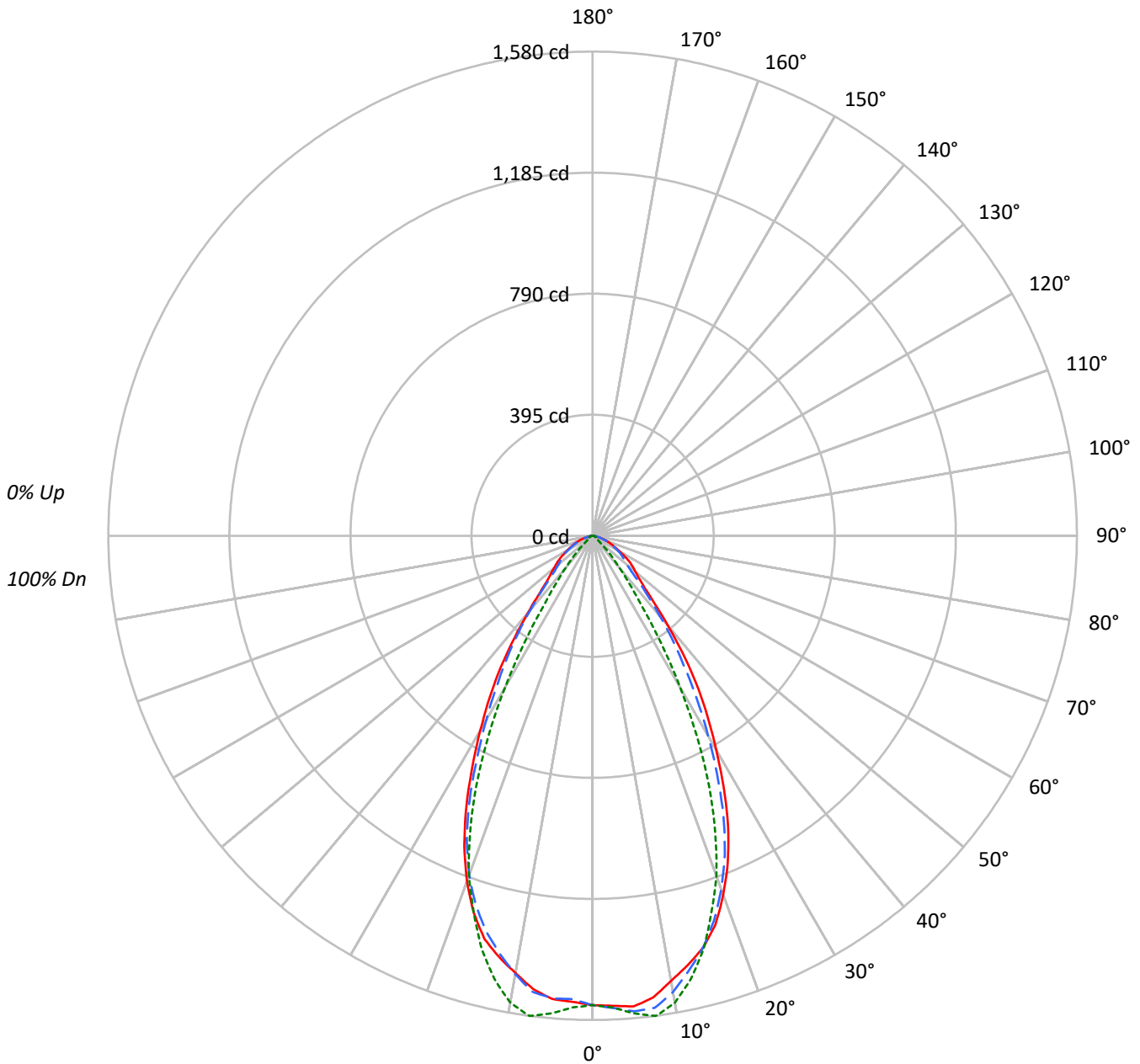
Lumens per Lamp: N/A
Luminaire Lumens: 1559.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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			
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°	83946	83946	83946
5°	84828	86110	83496
10°	82079	86110	80649
15°	78996	79308	77316
20°	72707	68886	69977
25°	63276	54324	58939
30°	51033	36094	46298
35°	39565	18611	34767
40°	27144	9647	23408
45°	18599	4830	16428
50°	15479	2055	14081
55°	13925	1787	12578
60°	11019	1710	10504
65°	9093	1518	8989
70°	7373	1378	7373
75°	5443	1483	5782
80°	3189	1231	3441
85°	2453	1447	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	9.4
10°-20°	382.6	24.5
20°-30°	436.7	28.0
30°-40°	289.6	18.6
40°-50°	139.7	9.0
50°-60°	85.9	5.5
60°-70°	52.0	3.3
70°-80°	21.9	1.4
80°-90°	4.8	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°	965.1	61.9
0°-40°	1254.7	80.5
0°-60°	1480.3	95.0
0°-90°	1559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1559.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1531	1531	1531	1531	1531	
5°	1542	1558	1565	1515	1517	145
15°	1392	1392	1397	1338	1362	388
25°	1046	1011	898	950	974	474
35°	591	521	278	486	520	366
45°	240	210	62	196	212	196
55°	146	118	19	118	132	128
65°	70	67	12	63	69	70
75°	26	26	7	24	27	27
85°	4	6	2	4	4	5
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°	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3
2.5°	1535.2	1537.6	1542.3	1543.0	1540.7	1525.9	1513.4	1518.1	1522.0
5°	1541.5	1546.1	1557.8	1568.7	1564.8	1539.9	1515.0	1514.2	1517.3
7.5°	1518.9	1529.8	1553.9	1581.2	1580.4	1537.6	1501.0	1491.6	1491.6
10°	1474.5	1484.6	1511.1	1547.7	1546.9	1493.2	1452.7	1448.0	1448.8
12.5°	1434.8	1439.4	1452.7	1481.5	1481.5	1428.5	1397.4	1402.0	1408.3
15°	1391.9	1395.0	1391.9	1401.3	1397.4	1353.8	1338.2	1353.0	1362.3
17.5°	1331.2	1332.7	1316.4	1303.9	1289.1	1261.8	1265.7	1287.5	1289.9
20°	1246.3	1256.4	1226.8	1194.9	1180.8	1155.1	1176.9	1201.1	1199.5
22.5°	1152.8	1164.5	1126.3	1073.3	1044.5	1034.4	1073.3	1095.2	1094.4
25°	1046.1	1054.7	1011.0	937.0	898.1	896.5	950.3	972.9	974.4
27.5°	926.1	929.2	880.2	783.6	735.3	747.0	814.7	845.9	849.8
30°	806.2	804.6	754.0	634.0	570.2	602.1	693.2	727.5	731.4
32.5°	696.4	691.7	634.0	490.7	414.4	461.9	581.9	617.7	623.9
35°	591.2	583.4	521.1	363.0	278.1	349.0	486.0	517.2	519.5
37.5°	481.4	477.5	428.4	271.8	194.0	264.8	396.5	419.1	416.7
40°	379.3	379.3	338.8	201.7	134.8	197.1	313.9	334.2	327.1
42.5°	297.5	301.4	267.2	148.8	95.8	146.4	248.5	267.2	259.4
45°	239.9	239.9	210.3	110.6	62.3	109.0	196.3	213.4	211.9
47.5°	203.3	200.2	170.6	81.0	34.3	81.8	165.1	186.2	185.4
50°	181.5	176.8	146.4	63.9	24.1	67.8	144.9	164.4	165.1
52.5°	164.4	157.3	131.6	56.9	21.0	59.2	131.6	147.2	147.2
55°	145.7	141.8	118.4	50.6	18.7	53.0	118.4	132.4	131.6
57.5°	123.1	122.3	105.9	46.0	17.1	46.7	105.9	114.5	111.4
60°	100.5	103.6	91.9	41.3	15.6	42.1	90.4	97.4	95.8
62.5°	84.1	88.0	80.2	36.6	13.2	37.4	76.3	83.3	81.8
65°	70.1	73.2	67.0	31.2	11.7	31.2	63.1	69.3	69.3
67.5°	57.6	60.0	55.3	25.7	10.1	25.7	51.4	56.9	57.6
70°	46.0	47.5	43.6	20.3	8.6	21.0	40.5	46.0	46.0
72.5°	35.8	36.6	34.3	16.4	7.8	16.4	31.2	35.8	35.8
75°	25.7	27.3	25.7	12.5	7.0	12.5	24.1	26.5	27.3
77.5°	14.8	18.7	18.7	10.1	5.5	9.3	17.1	17.9	17.9
80°	10.1	11.7	13.2	7.0	3.9	7.0	10.9	11.7	10.9
82.5°	7.0	7.8	7.8	4.7	3.1	4.7	7.0	7.8	7.0
85°	3.9	5.5	5.5	3.9	2.3	3.1	3.9	4.7	3.9
87.5°	2.3	3.1	3.9	3.1	2.3	2.3	2.3	2.3	1.6
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)