

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: P799514

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799514
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 6LBMDSWGPH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

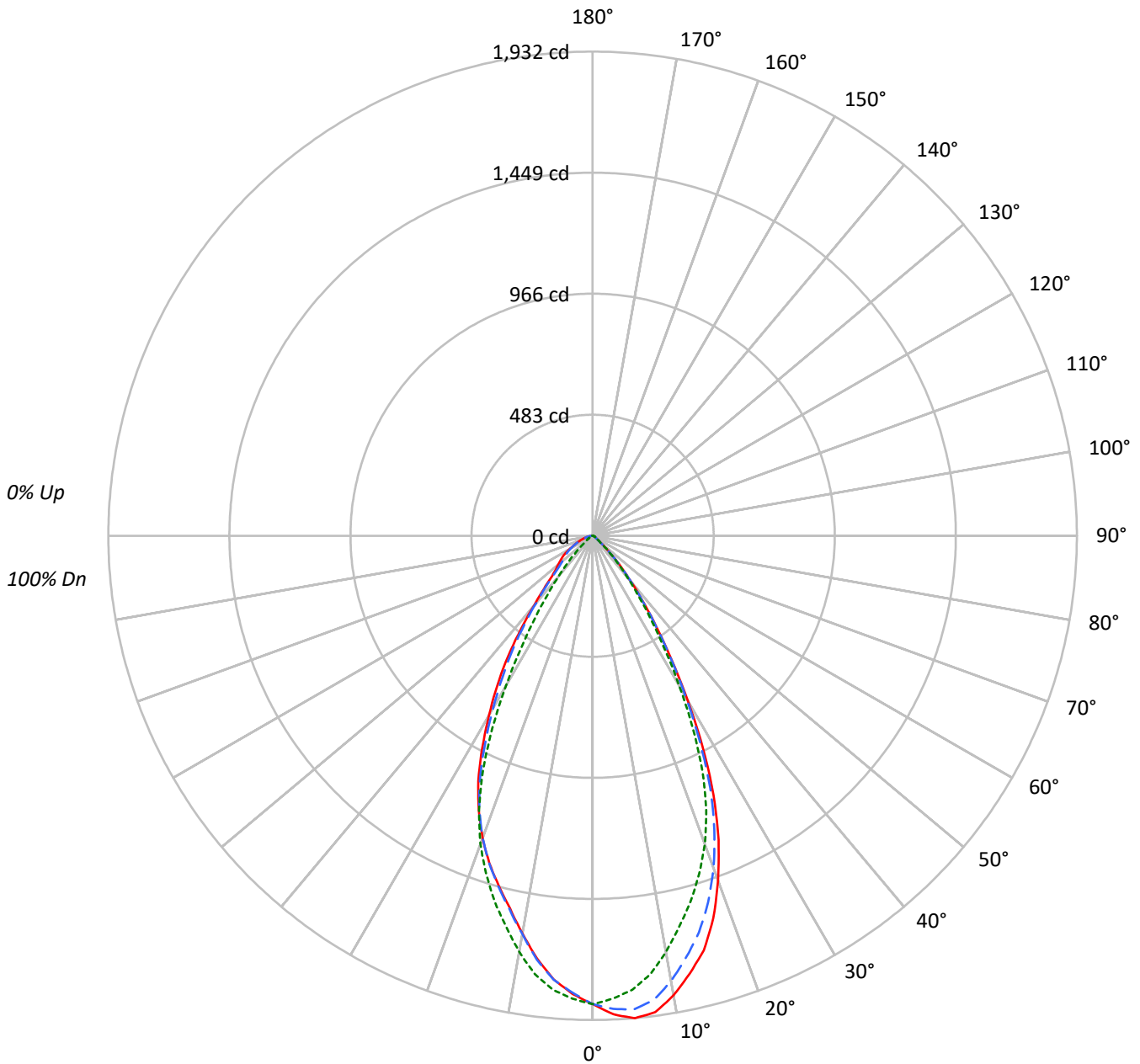
Lumens per Lamp: N/A
Luminaire Lumens: 1609.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	102448	102448	102448
5°	106345	100044	97782
10°	103628	93842	89711
15°	97186	85750	82044
20°	85320	76336	74877
25°	69004	62713	65296
30°	47976	43684	52261
35°	29567	26763	39444
40°	16731	15000	26192
45°	8125	7753	17878
50°	3096	3096	15198
55°	1692	2007	14021
60°	1239	1590	11490
65°	1051	1362	9417
70°	898	1170	7758
75°	847	1186	6651
80°	505	1010	4830
85°	503	2013	4592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	10.6
10°-20°	430.0	26.7
20°-30°	484.1	30.1
30°-40°	299.7	18.6
40°-50°	119.4	7.4
50°-60°	54.3	3.4
60°-70°	31.2	1.9
70°-80°	14.8	0.9
80°-90°	4.3	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°	1085.1	67.4
0°-40°	1384.9	86.1
0°-60°	1558.6	96.9
0°-90°	1609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1609.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1869	1869	1869	1869	1869	
5°	1932	1897	1818	1778	1777	182
15°	1712	1638	1511	1450	1446	474
25°	1141	1110	1037	1063	1080	513
35°	442	439	400	557	589	284
45°	105	105	100	218	231	89
55°	18	17	21	129	147	18
65°	8	7	10	72	73	8
75°	4	4	6	31	31	4
85°	1	1	3	7	7	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°	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8
2.5°	1911.6	1893.8	1889.8	1874.5	1848.7	1834.2	1825.3	1818.8	1830.1
5°	1932.5	1913.2	1897.1	1865.6	1818.0	1791.4	1778.5	1768.1	1776.9
7.5°	1917.2	1889.8	1868.0	1824.5	1764.0	1722.9	1705.2	1693.1	1701.1
10°	1861.6	1828.5	1803.5	1751.9	1685.8	1636.6	1614.9	1603.6	1611.6
12.5°	1789.0	1761.6	1723.7	1667.3	1596.3	1544.7	1528.6	1519.7	1523.0
15°	1712.4	1680.2	1638.3	1581.8	1510.9	1459.3	1449.6	1444.0	1445.6
17.5°	1601.2	1569.7	1533.4	1478.6	1413.3	1371.4	1371.4	1367.4	1369.8
20°	1462.5	1445.6	1410.1	1364.1	1308.5	1270.6	1282.7	1278.7	1283.5
22.5°	1312.5	1299.6	1269.0	1231.1	1184.3	1154.5	1181.1	1180.3	1186.8
25°	1140.8	1131.1	1110.2	1077.9	1036.8	1018.3	1062.6	1062.6	1079.5
27.5°	951.3	941.7	927.2	899.7	865.9	860.2	925.5	933.6	952.2
30°	757.9	751.4	743.3	718.3	690.1	700.6	790.9	804.6	825.6
32.5°	585.3	581.3	578.9	556.3	531.3	566.0	669.2	686.9	707.9
35°	441.8	432.9	439.4	422.5	399.9	443.4	557.1	572.4	589.4
37.5°	325.7	319.3	324.9	312.8	292.7	340.2	447.5	457.1	468.4
40°	233.8	228.2	233.0	225.7	209.6	254.0	350.7	361.2	366.0
42.5°	166.1	156.4	161.2	155.6	147.5	191.1	275.7	285.4	287.0
45°	104.8	101.6	104.8	101.6	100.0	141.9	217.7	226.5	230.6
47.5°	63.7	59.7	59.7	58.0	59.7	104.8	179.8	192.7	199.1
50°	36.3	34.7	33.9	33.1	36.3	82.2	155.6	170.1	178.2
52.5°	24.2	23.4	23.4	22.6	26.6	69.3	140.3	153.2	161.2
55°	17.7	16.9	16.9	16.9	21.0	59.7	129.0	139.5	146.7
57.5°	13.7	13.7	13.7	12.9	17.7	50.8	115.3	120.9	126.6
60°	11.3	10.5	10.5	10.5	14.5	43.5	99.2	101.6	104.8
62.5°	8.9	8.9	8.9	8.9	12.1	38.7	85.5	85.5	87.1
65°	8.1	7.3	7.3	7.3	10.5	33.9	71.8	70.9	72.6
67.5°	6.4	6.4	6.4	6.4	8.9	29.0	58.9	58.0	59.7
70°	5.6	5.6	5.6	5.6	7.3	24.2	47.6	46.8	48.4
72.5°	4.8	4.8	4.8	4.8	6.4	20.2	37.9	37.9	38.7
75°	4.0	4.0	4.0	4.0	5.6	15.3	30.6	30.6	31.4
77.5°	3.2	3.2	3.2	3.2	4.0	12.1	23.4	22.6	22.6
80°	1.6	2.4	2.4	2.4	3.2	8.9	16.9	15.3	15.3
82.5°	0.8	1.6	1.6	1.6	3.2	6.4	11.3	10.5	10.5
85°	0.8	0.8	0.8	2.4	3.2	4.8	7.3	7.3	7.3
87.5°	0.0	0.8	1.6	3.2	4.0	4.0	4.8	4.0	4.0
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)