

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: P799568

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799568
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 6LBMDDWGPH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

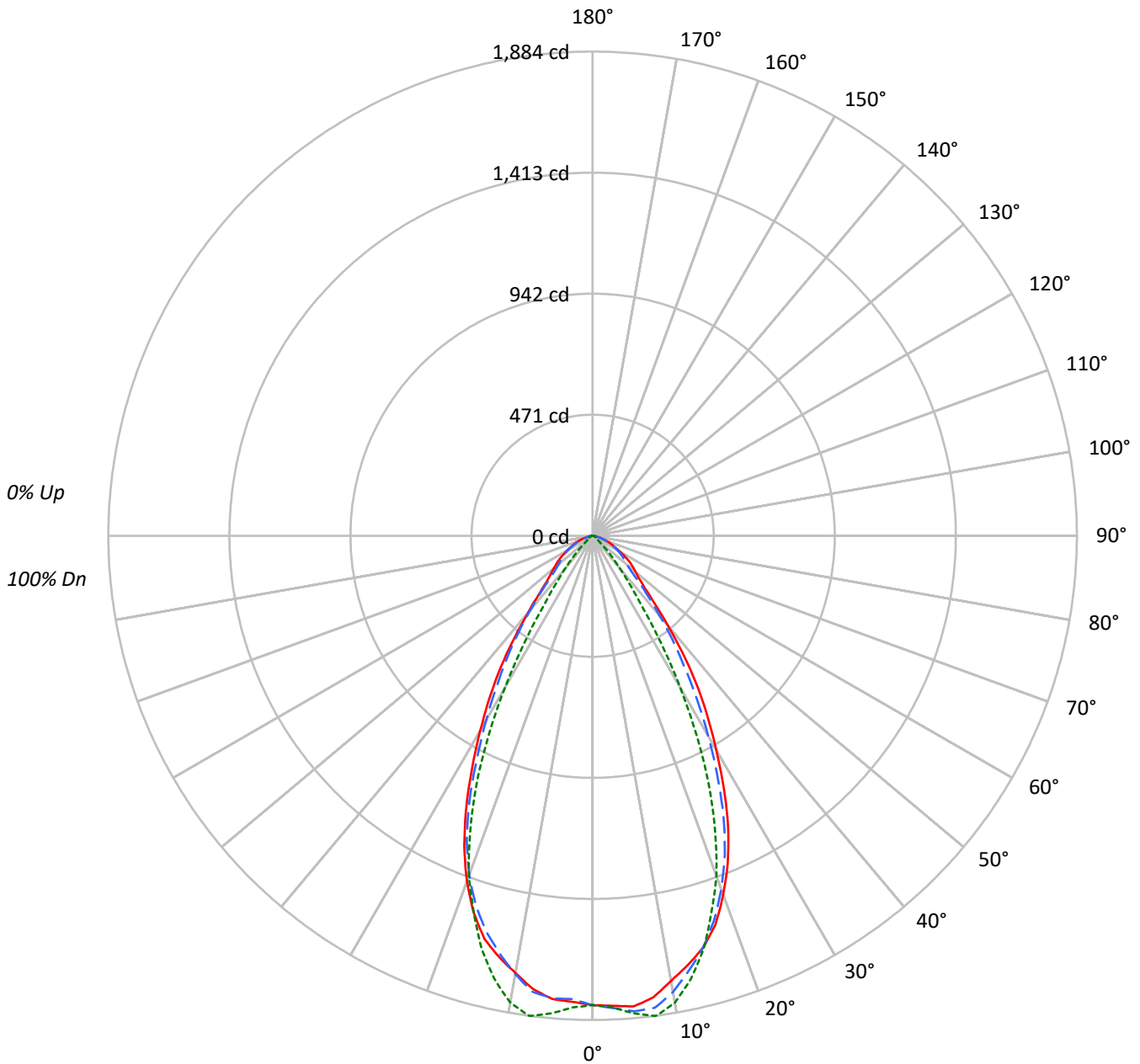
Lumens per Lamp: N/A
Luminaire Lumens: 1859.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	100102	100102	100102
5°	101150	102685	99565
10°	97872	102681	96168
15°	94200	94569	92197
20°	86697	82146	83447
25°	75452	64776	70280
30°	60851	43038	55205
35°	47181	22192	41459
40°	32368	11500	27917
45°	22181	5760	19583
50°	18456	2456	16793
55°	16602	2131	15005
60°	13135	2039	12521
65°	10844	1803	10727
70°	8784	1635	8784
75°	6503	1779	6884
80°	3820	1452	4104
85°	2893	1761	2893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	9.4
10°-20°	456.2	24.5
20°-30°	520.8	28.0
30°-40°	345.3	18.6
40°-50°	166.6	9.0
50°-60°	102.5	5.5
60°-70°	62.0	3.3
70°-80°	26.1	1.4
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°	1150.8	61.9
0°-40°	1496.1	80.5
0°-60°	1765.2	95.0
0°-90°	1859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1859.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1826	1826	1826	1826	1826	
5°	1838	1858	1866	1806	1809	173
15°	1660	1660	1666	1596	1624	463
25°	1247	1206	1071	1133	1162	566
35°	705	621	332	580	620	436
45°	286	251	74	234	253	233
55°	174	141	22	141	157	153
65°	84	80	14	75	83	84
75°	31	31	8	29	32	33
85°	5	6	3	5	5	6
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°	1826.0	1826.0	1826.0	1826.0	1826.0	1826.0	1826.0	1826.0	1826.0
2.5°	1830.7	1833.5	1839.0	1840.0	1837.2	1819.5	1804.7	1810.2	1814.9
5°	1838.1	1843.7	1857.6	1870.6	1866.0	1836.2	1806.5	1805.6	1809.3
7.5°	1811.2	1824.2	1853.0	1885.5	1884.5	1833.5	1789.8	1778.7	1778.7
10°	1758.2	1770.3	1801.9	1845.5	1844.6	1780.5	1732.2	1726.6	1727.6
12.5°	1710.9	1716.4	1732.2	1766.6	1766.6	1703.4	1666.3	1671.8	1679.3
15°	1659.8	1663.5	1659.8	1670.9	1666.3	1614.3	1595.7	1613.3	1624.5
17.5°	1587.3	1589.2	1569.7	1554.8	1537.2	1504.7	1509.3	1535.3	1538.1
20°	1486.1	1498.2	1462.9	1424.8	1408.1	1377.4	1403.4	1432.2	1430.4
22.5°	1374.6	1388.6	1343.1	1279.9	1245.5	1233.5	1279.9	1305.9	1305.0
25°	1247.4	1257.6	1205.6	1117.4	1070.9	1069.1	1133.1	1160.1	1161.9
27.5°	1104.3	1108.1	1049.5	934.4	876.8	890.7	971.5	1008.7	1013.3
30°	961.3	959.5	899.1	756.0	679.9	718.0	826.6	867.5	872.1
32.5°	830.4	824.8	756.0	585.1	494.1	550.8	693.8	736.5	744.0
35°	705.0	695.7	621.4	432.8	331.6	416.1	579.6	616.7	619.5
37.5°	574.0	569.4	510.8	324.2	231.3	315.8	472.8	499.7	496.9
40°	452.3	452.3	404.0	240.6	160.7	235.0	374.3	398.5	390.1
42.5°	354.8	359.4	318.6	177.4	114.2	174.6	296.3	318.6	309.3
45°	286.1	286.1	250.8	131.9	74.3	130.0	234.1	254.5	252.6
47.5°	242.4	238.7	203.4	96.6	40.9	97.5	196.9	222.0	221.1
50°	216.4	210.8	174.6	76.2	28.8	80.8	172.8	196.0	196.9
52.5°	196.0	187.6	157.0	67.8	25.1	70.6	157.0	175.5	175.5
55°	173.7	169.0	141.2	60.4	22.3	63.2	141.2	157.9	157.0
57.5°	146.8	145.8	126.3	54.8	20.4	55.7	126.3	136.5	132.8
60°	119.8	123.5	109.6	49.2	18.6	50.2	107.7	116.1	114.2
62.5°	100.3	105.0	95.7	43.7	15.8	44.6	91.0	99.4	97.5
65°	83.6	87.3	79.9	37.2	13.9	37.2	75.2	82.7	82.7
67.5°	68.7	71.5	65.9	30.7	12.1	30.7	61.3	67.8	68.7
70°	54.8	56.7	52.0	24.1	10.2	25.1	48.3	54.8	54.8
72.5°	42.7	43.7	40.9	19.5	9.3	19.5	37.2	42.7	42.7
75°	30.7	32.5	30.7	14.9	8.4	14.9	28.8	31.6	32.5
77.5°	17.6	22.3	22.3	12.1	6.5	11.1	20.4	21.4	21.4
80°	12.1	13.9	15.8	8.4	4.6	8.4	13.0	13.9	13.0
82.5°	8.4	9.3	9.3	5.6	3.7	5.6	8.4	9.3	8.4
85°	4.6	6.5	6.5	4.6	2.8	3.7	4.6	5.6	4.6
87.5°	2.8	3.7	4.6	3.7	2.8	2.8	2.8	2.8	1.9
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)