

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: P799544

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799544
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 EU6309030 6LBMDDWGPH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

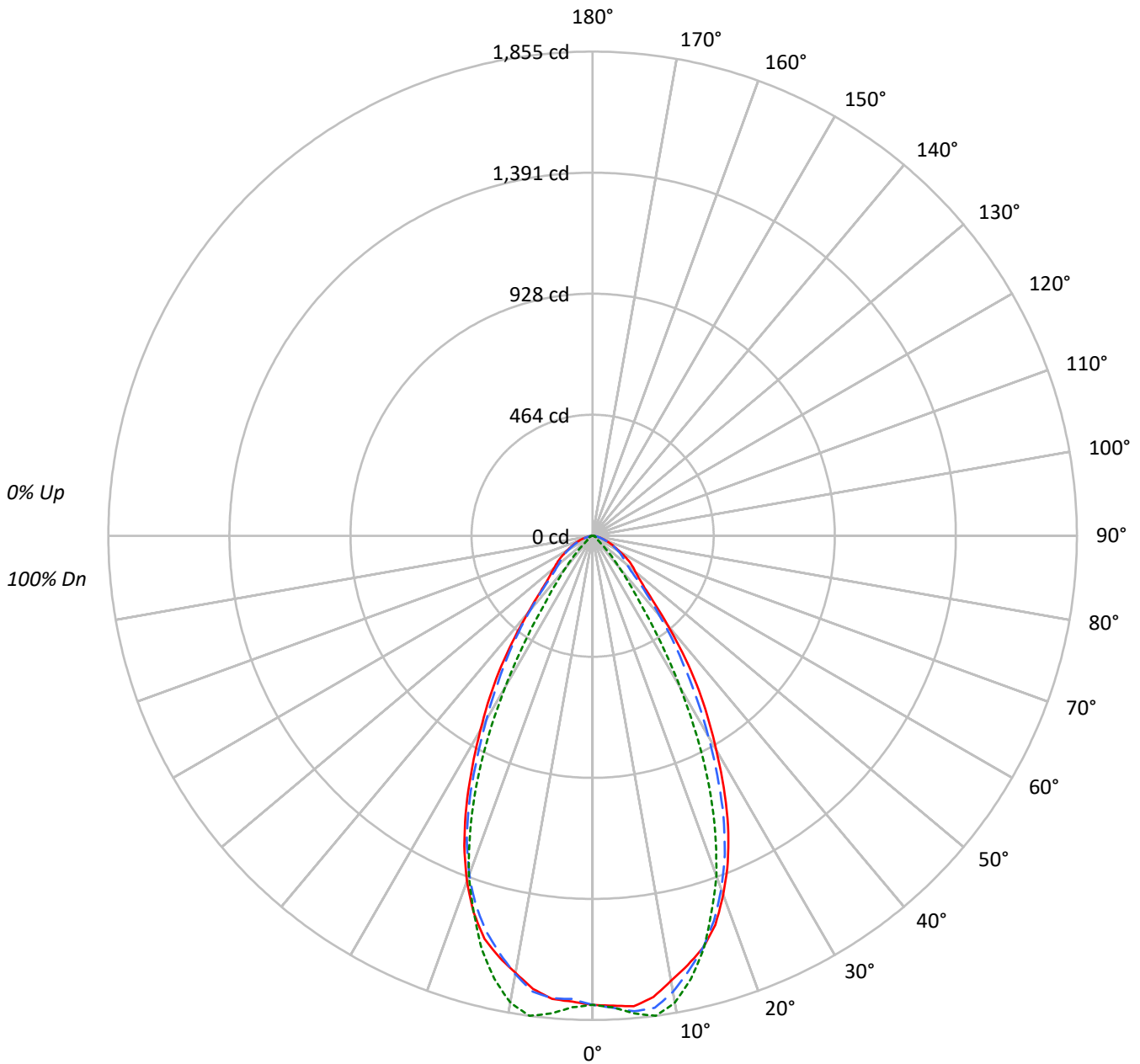
Lumens per Lamp: N/A
Luminaire Lumens: 1830.0 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	98539	98539	98539
5°	99571	101084	98013
10°	96346	101078	94665
15°	92730	93094	90755
20°	85343	80863	82140
25°	74272	63766	69185
30°	59902	42367	54344
35°	46445	21844	40810
40°	31867	11321	27480
45°	21832	5667	19281
50°	18166	2414	16528
55°	16344	2093	14766
60°	12927	2006	12335
65°	10676	1777	10559
70°	8639	1619	8639
75°	6397	1737	6778
80°	3757	1452	4041
85°	2893	1698	2893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	9.4
10°-20°	449.1	24.5
20°-30°	512.6	28.0
30°-40°	340.0	18.6
40°-50°	164.0	9.0
50°-60°	100.9	5.5
60°-70°	61.0	3.3
70°-80°	25.7	1.4
80°-90°	5.7	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°	1132.8	61.9
0°-40°	1472.8	80.5
0°-60°	1737.6	95.0
0°-90°	1830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1830.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1798	1798	1798	1798	1798	
5°	1809	1829	1837	1778	1781	170
15°	1634	1634	1640	1571	1599	455
25°	1228	1187	1054	1116	1144	557
35°	694	612	326	570	610	429
45°	282	247	73	230	249	230
55°	171	139	22	139	154	150
65°	82	79	14	74	81	83
75°	30	30	8	28	32	32
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°	1797.5	1797.5	1797.5	1797.5	1797.5	1797.5	1797.5	1797.5	1797.5
2.5°	1802.1	1804.9	1810.3	1811.3	1808.5	1791.1	1776.5	1782.0	1786.6
5°	1809.4	1814.9	1828.6	1841.4	1836.9	1807.6	1778.3	1777.4	1781.1
7.5°	1782.9	1795.7	1824.1	1856.1	1855.1	1804.9	1761.9	1750.9	1750.9
10°	1730.8	1742.7	1773.8	1816.7	1815.8	1752.7	1705.2	1699.7	1700.6
12.5°	1684.2	1689.7	1705.2	1739.0	1739.0	1676.9	1640.3	1645.8	1653.1
15°	1633.9	1637.5	1633.9	1644.9	1640.3	1589.1	1570.8	1588.2	1599.1
17.5°	1562.6	1564.4	1545.2	1530.6	1513.2	1481.2	1485.8	1511.4	1514.1
20°	1462.9	1474.8	1440.0	1402.6	1386.1	1355.9	1381.5	1409.9	1408.0
22.5°	1353.2	1366.9	1322.1	1259.9	1226.1	1214.2	1259.9	1285.5	1284.6
25°	1227.9	1238.0	1186.8	1099.9	1054.2	1052.4	1115.5	1142.0	1143.8
27.5°	1087.1	1090.8	1033.2	919.8	863.1	876.8	956.4	992.9	997.5
30°	946.3	944.5	885.1	744.3	669.3	706.8	813.7	854.0	858.5
32.5°	817.4	811.9	744.3	576.0	486.4	542.2	683.0	725.1	732.4
35°	694.0	684.8	611.7	426.1	326.4	409.6	570.5	607.1	609.8
37.5°	565.0	560.5	502.9	319.1	227.7	310.9	465.4	491.9	489.2
40°	445.3	445.3	397.7	236.8	158.2	231.3	368.5	392.2	384.0
42.5°	349.3	353.8	313.6	174.6	112.5	171.9	291.7	313.6	304.5
45°	281.6	281.6	246.9	129.8	73.1	128.0	230.4	250.5	248.7
47.5°	238.6	235.0	200.2	95.1	40.2	96.0	193.8	218.5	217.6
50°	213.0	207.5	171.9	75.0	28.3	79.5	170.1	192.9	193.8
52.5°	192.9	184.7	154.5	66.7	24.7	69.5	154.5	172.8	172.8
55°	171.0	166.4	139.0	59.4	21.9	62.2	139.0	155.4	154.5
57.5°	144.5	143.5	124.3	53.9	20.1	54.9	124.3	134.4	130.7
60°	117.9	121.6	107.9	48.5	18.3	49.4	106.1	114.3	112.5
62.5°	98.7	103.3	94.2	43.0	15.5	43.9	89.6	97.8	96.0
65°	82.3	85.9	78.6	36.6	13.7	36.6	74.1	81.4	81.4
67.5°	67.7	70.4	64.9	30.2	11.9	30.2	60.3	66.7	67.7
70°	53.9	55.8	51.2	23.8	10.1	24.7	47.5	53.9	53.9
72.5°	42.1	43.0	40.2	19.2	9.1	19.2	36.6	42.1	42.1
75°	30.2	32.0	30.2	14.6	8.2	14.6	28.3	31.1	32.0
77.5°	17.4	21.9	21.9	11.9	6.4	11.0	20.1	21.0	21.0
80°	11.9	13.7	15.5	8.2	4.6	8.2	12.8	13.7	12.8
82.5°	8.2	9.1	9.1	5.5	3.7	5.5	8.2	9.1	8.2
85°	4.6	6.4	6.4	4.6	2.7	3.7	4.6	5.5	4.6
87.5°	2.7	3.7	4.6	3.7	2.7	2.7	2.7	2.7	1.8
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)