

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: P799444

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799444
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: LD6C20D010 EU6209035 6LBMDSWLI
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

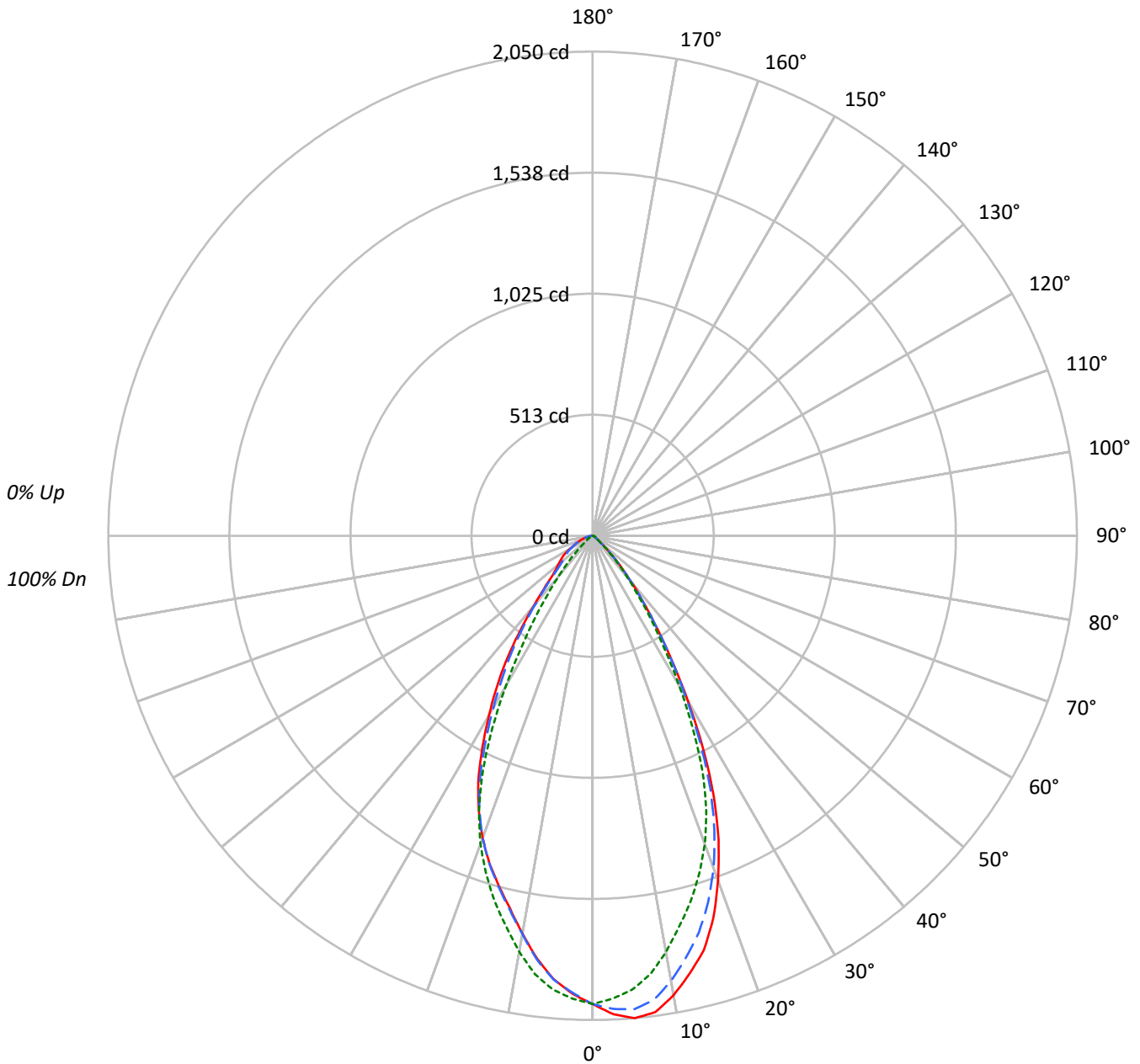
Lumens per Lamp: N/A
Luminaire Lumens: 1707.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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

TEST NUMBER: P799444

CATALOG NUMBER: LD6C20D010 EU6209035 6LBMSWLI

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°	108692	108692	108692
5°	112822	106141	103742
10°	109940	99558	95177
15°	103105	90971	87038
20°	90518	80985	79439
25°	73208	66536	69276
30°	50894	46349	55445
35°	31367	28389	41840
40°	17748	15916	27788
45°	8621	8226	18963
50°	3283	3283	16119
55°	1797	2122	14881
60°	1316	1688	12192
65°	1116	1440	9988
70°	962	1234	8223
75°	911	1271	7074
80°	537	1073	5146
85°	566	2139	4843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	10.6
10°-20°	456.2	26.7
20°-30°	513.5	30.1
30°-40°	318.0	18.6
40°-50°	126.6	7.4
50°-60°	57.7	3.4
60°-70°	33.1	1.9
70°-80°	15.7	0.9
80°-90°	4.6	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°	1151.2	67.4
0°-40°	1469.2	86.1
0°-60°	1653.5	96.9
0°-90°	1707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1983	1983	1983	1983	1983	
5°	2050	2013	1929	1887	1885	193
15°	1817	1738	1603	1538	1534	503
25°	1210	1178	1100	1127	1145	544
35°	469	466	424	591	625	301
45°	111	111	106	231	245	94
55°	19	18	22	137	156	19
65°	9	8	11	76	77	8
75°	4	4	6	32	33	4
85°	1	1	3	8	8	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°	1982.7	1982.7	1982.7	1982.7	1982.7	1982.7	1982.7	1982.7	1982.7
2.5°	2028.0	2009.2	2004.9	1988.6	1961.3	1945.9	1936.5	1929.6	1941.6
5°	2050.2	2029.7	2012.6	1979.2	1928.8	1900.5	1886.9	1875.7	1885.2
7.5°	2034.0	2004.9	1981.8	1935.6	1871.5	1827.8	1809.0	1796.2	1804.7
10°	1975.0	1939.9	1913.4	1858.6	1788.5	1736.3	1713.2	1701.3	1709.8
12.5°	1898.0	1868.9	1828.7	1768.8	1693.6	1638.8	1621.7	1612.3	1615.7
15°	1816.7	1782.5	1738.0	1678.2	1602.9	1548.2	1537.9	1531.9	1533.6
17.5°	1698.7	1665.3	1626.8	1568.7	1499.4	1454.9	1454.9	1450.6	1453.2
20°	1551.6	1533.6	1496.0	1447.2	1388.2	1348.0	1360.8	1356.6	1361.7
22.5°	1392.5	1378.8	1346.3	1306.1	1256.5	1224.8	1253.1	1252.2	1259.0
25°	1210.3	1200.0	1177.8	1143.6	1100.0	1080.3	1127.3	1127.3	1145.3
27.5°	1009.3	999.0	983.6	954.6	918.6	912.6	981.9	990.5	1010.1
30°	804.0	797.2	788.6	762.1	732.2	743.3	839.1	853.6	875.9
32.5°	621.0	616.7	614.1	590.2	563.7	600.4	709.9	728.7	751.0
35°	468.7	459.3	466.2	448.2	424.2	470.4	591.0	607.3	625.2
37.5°	345.6	338.7	344.7	331.9	310.5	360.9	474.7	485.0	496.9
40°	248.0	242.1	247.2	239.5	222.4	269.4	372.1	383.2	388.3
42.5°	176.2	165.9	171.1	165.1	156.5	202.7	292.5	302.8	304.5
45°	111.2	107.8	111.2	107.8	106.1	150.5	230.9	240.3	244.6
47.5°	67.6	63.3	63.3	61.6	63.3	111.2	190.7	204.4	211.3
50°	38.5	36.8	35.9	35.1	38.5	87.2	165.1	180.5	189.0
52.5°	25.7	24.8	24.8	23.9	28.2	73.6	148.8	162.5	171.1
55°	18.8	18.0	18.0	18.0	22.2	63.3	136.9	148.0	155.7
57.5°	14.5	14.5	14.5	13.7	18.8	53.9	122.3	128.3	134.3
60°	12.0	11.1	11.1	11.1	15.4	46.2	105.2	107.8	111.2
62.5°	9.4	9.4	9.4	9.4	12.8	41.1	90.7	90.7	92.4
65°	8.6	7.7	7.7	7.7	11.1	35.9	76.1	75.3	77.0
67.5°	6.8	6.8	6.8	6.8	9.4	30.8	62.4	61.6	63.3
70°	6.0	6.0	6.0	6.0	7.7	25.7	50.5	49.6	51.3
72.5°	5.1	5.1	5.1	5.1	6.8	21.4	40.2	40.2	41.1
75°	4.3	4.3	4.3	4.3	6.0	16.3	32.5	32.5	33.4
77.5°	3.4	3.4	3.4	3.4	4.3	12.8	24.8	23.9	23.9
80°	1.7	2.6	2.6	2.6	3.4	9.4	18.0	16.3	16.3
82.5°	0.9	1.7	1.7	1.7	3.4	6.8	12.0	11.1	11.1
85°	0.9	0.9	0.9	2.6	3.4	5.1	7.7	7.7	7.7
87.5°	0.0	0.9	1.7	3.4	4.3	4.3	5.1	4.3	4.3
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)