

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: P799435

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799435
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 EU6209030 6LBMDSWWMH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

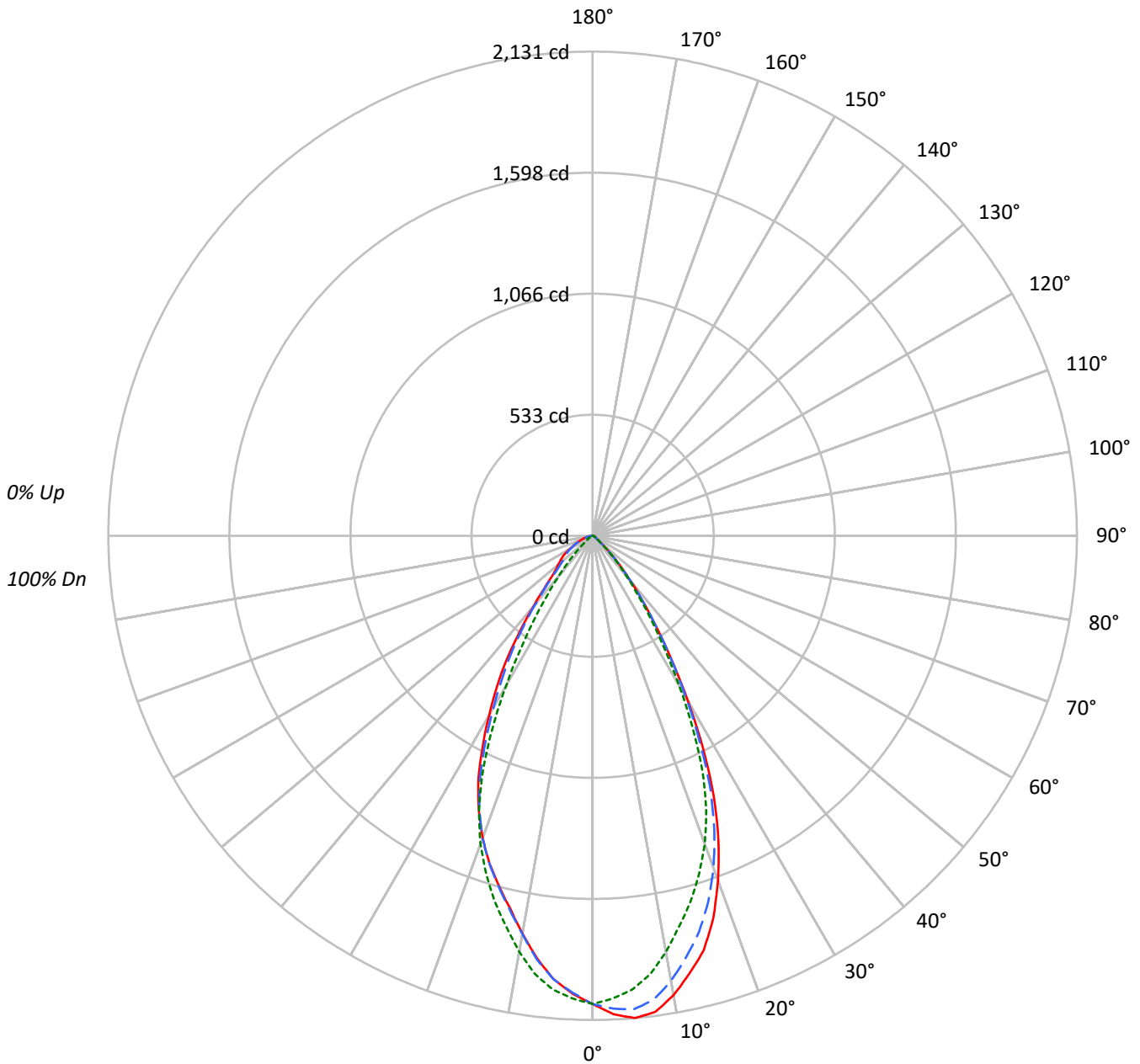
Lumens per Lamp: N/A
Luminaire Lumens: 1774.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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°	112957	112957	112957
5°	117252	110307	107808
10°	114254	103466	98913
15°	107152	94541	90455
20°	94071	84165	82555
25°	76081	69143	71992
30°	52894	48166	57616
35°	32598	29506	43487
40°	18449	16538	28883
45°	8962	8544	19707
50°	3411	3411	16750
55°	1873	2208	15464
60°	1360	1754	12674
65°	1154	1505	10377
70°	994	1282	8543
75°	932	1313	7350
80°	568	1137	5335
85°	566	2264	5032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	10.6
10°-20°	474.1	26.7
20°-30°	533.7	30.1
30°-40°	330.5	18.6
40°-50°	131.6	7.4
50°-60°	59.9	3.4
60°-70°	34.4	1.9
70°-80°	16.4	0.9
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°	1196.4	67.4
0°-40°	1526.9	86.1
0°-60°	1718.4	96.9
0°-90°	1774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1774.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2060	2060	2060	2060	2060	
5°	2131	2092	2004	1961	1959	201
15°	1888	1806	1666	1598	1594	522
25°	1258	1224	1143	1172	1190	565
35°	487	484	441	614	650	313
45°	116	116	110	240	254	98
55°	20	19	23	142	162	19
65°	9	8	12	79	80	9
75°	4	4	6	34	35	5
85°	1	1	4	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°	2060.5	2060.5	2060.5	2060.5	2060.5	2060.5	2060.5	2060.5	2060.5
2.5°	2107.6	2088.0	2083.6	2066.7	2038.3	2022.3	2012.5	2005.4	2017.8
5°	2130.7	2109.4	2091.6	2056.9	2004.5	1975.1	1960.9	1949.4	1959.1
7.5°	2113.8	2083.6	2059.6	2011.6	1944.9	1899.6	1880.0	1866.7	1875.6
10°	2052.5	2016.0	1988.5	1931.6	1858.7	1804.5	1780.5	1768.0	1776.9
12.5°	1972.5	1942.3	1900.5	1838.3	1760.0	1703.1	1685.4	1675.6	1679.1
15°	1888.0	1852.5	1806.3	1744.0	1665.8	1608.9	1598.2	1592.0	1593.8
17.5°	1765.4	1730.7	1690.7	1630.2	1558.2	1512.0	1512.0	1507.6	1510.2
20°	1612.5	1593.8	1554.7	1504.0	1442.7	1400.9	1414.2	1409.8	1415.1
22.5°	1447.1	1432.9	1399.1	1357.4	1305.8	1272.9	1302.2	1301.4	1308.5
25°	1257.8	1247.1	1224.0	1188.5	1143.1	1122.7	1171.6	1171.6	1190.2
27.5°	1048.9	1038.2	1022.2	992.0	954.7	948.5	1020.5	1029.4	1049.8
30°	835.6	828.5	819.6	792.0	760.9	772.5	872.0	887.1	910.2
32.5°	645.3	640.9	638.2	613.3	585.8	624.0	737.8	757.3	780.5
35°	487.1	477.3	484.5	465.8	440.9	488.9	614.2	631.1	649.8
37.5°	359.1	352.0	358.2	344.9	322.7	375.1	493.3	504.0	516.5
40°	257.8	251.6	256.9	248.9	231.1	280.0	386.7	398.2	403.6
42.5°	183.1	172.4	177.8	171.6	162.7	210.7	304.0	314.7	316.4
45°	115.6	112.0	115.6	112.0	110.2	156.4	240.0	249.8	254.2
47.5°	70.2	65.8	65.8	64.0	65.8	115.6	198.2	212.4	219.6
50°	40.0	38.2	37.3	36.4	40.0	90.7	171.6	187.6	196.4
52.5°	26.7	25.8	25.8	24.9	29.3	76.4	154.7	168.9	177.8
55°	19.6	18.7	18.7	18.7	23.1	65.8	142.2	153.8	161.8
57.5°	15.1	15.1	15.1	14.2	19.6	56.0	127.1	133.3	139.6
60°	12.4	11.6	11.6	11.6	16.0	48.0	109.3	112.0	115.6
62.5°	9.8	9.8	9.8	9.8	13.3	42.7	94.2	94.2	96.0
65°	8.9	8.0	8.0	8.0	11.6	37.3	79.1	78.2	80.0
67.5°	7.1	7.1	7.1	7.1	9.8	32.0	64.9	64.0	65.8
70°	6.2	6.2	6.2	6.2	8.0	26.7	52.4	51.6	53.3
72.5°	5.3	5.3	5.3	5.3	7.1	22.2	41.8	41.8	42.7
75°	4.4	4.4	4.4	4.4	6.2	16.9	33.8	33.8	34.7
77.5°	3.6	3.6	3.6	3.6	4.4	13.3	25.8	24.9	24.9
80°	1.8	2.7	2.7	2.7	3.6	9.8	18.7	16.9	16.9
82.5°	0.9	1.8	1.8	1.8	3.6	7.1	12.4	11.6	11.6
85°	0.9	0.9	0.9	2.7	3.6	5.3	8.0	8.0	8.0
87.5°	0.0	0.9	1.8	3.6	4.4	4.4	5.3	4.4	4.4
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)