

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: P799459

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799459
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 EU6209040 6LBMDSWWMH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

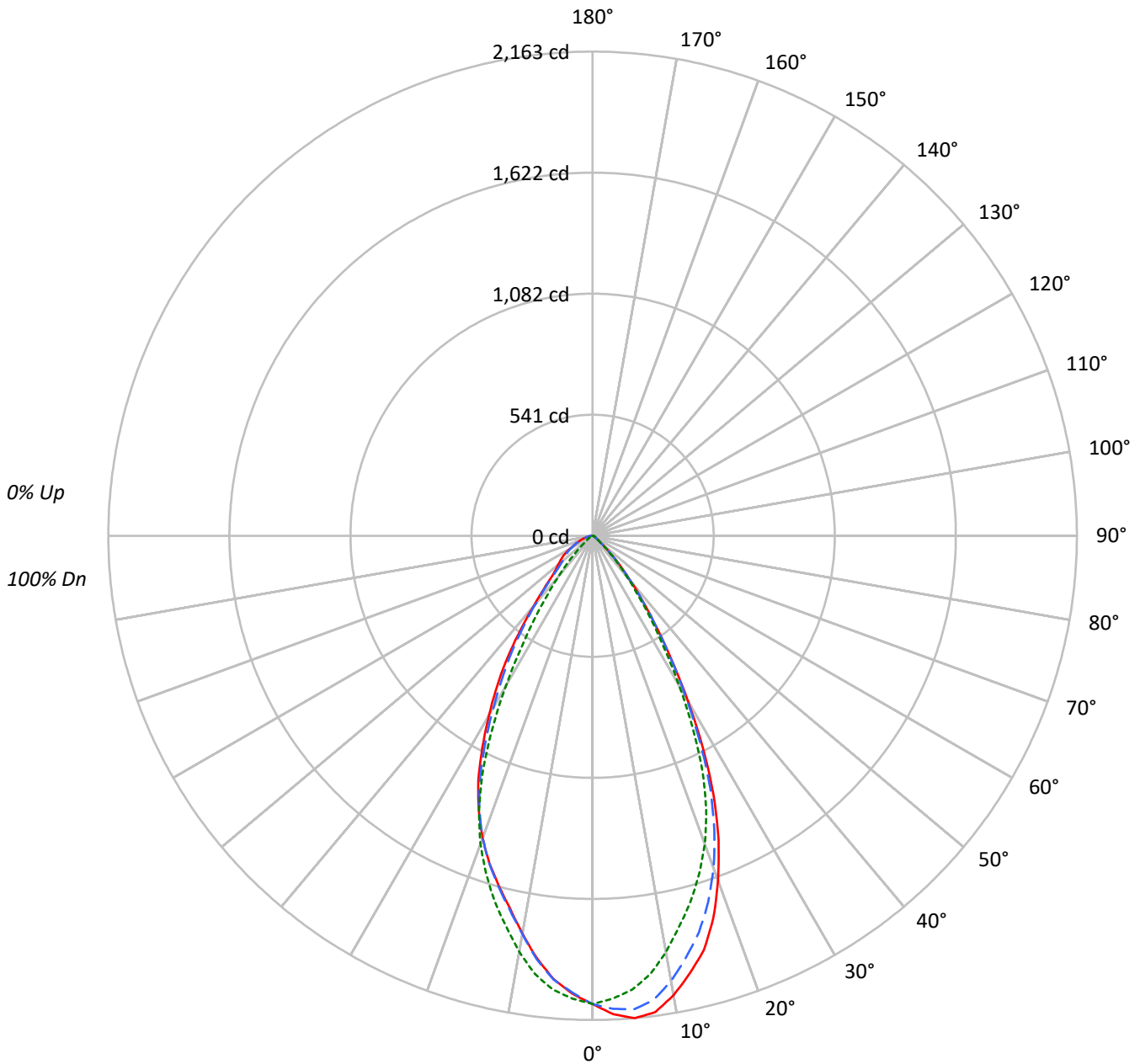
Lumens per Lamp: N/A
Luminaire Lumens: 1801.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	114673	114673	114673
5°	119034	111985	109454
10°	115991	105041	100421
15°	108786	95982	91834
20°	95500	85442	83815
25°	77236	70196	73093
30°	53698	48900	58496
35°	33093	29955	44149
40°	18728	16789	29319
45°	9094	8675	20010
50°	3463	3463	17006
55°	1902	2246	15694
60°	1381	1776	12861
65°	1167	1518	10533
70°	1010	1298	8671
75°	953	1334	7456
80°	568	1137	5398
85°	566	2264	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.5	10.6
10°-20°	481.3	26.7
20°-30°	541.8	30.1
30°-40°	335.5	18.6
40°-50°	133.6	7.4
50°-60°	60.8	3.4
60°-70°	35.0	1.9
70°-80°	16.6	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°	1214.6	67.4
0°-40°	1550.2	86.1
0°-60°	1744.6	96.9
0°-90°	1801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1801.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2092	2092	2092	2092	2092	
5°	2163	2123	2035	1991	1989	204
15°	1917	1834	1691	1623	1618	530
25°	1277	1243	1160	1189	1208	574
35°	494	492	448	624	660	318
45°	117	117	112	244	258	99
55°	20	19	24	144	164	20
65°	9	8	12	80	81	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°	2091.8	2091.8	2091.8	2091.8	2091.8	2091.8	2091.8	2091.8	2091.8
2.5°	2139.7	2119.8	2115.3	2098.2	2069.3	2053.0	2043.1	2035.9	2048.5
5°	2163.1	2141.5	2123.4	2088.2	2035.0	2005.2	1990.8	1979.0	1989.0
7.5°	2146.0	2115.3	2090.9	2042.2	1974.5	1928.5	1908.6	1895.1	1904.1
10°	2083.7	2046.7	2018.7	1961.0	1887.0	1831.9	1807.6	1794.9	1804.0
12.5°	2002.5	1971.8	1929.4	1866.2	1786.8	1729.1	1711.0	1701.1	1704.7
15°	1916.8	1880.7	1833.7	1770.6	1691.2	1633.4	1622.6	1616.3	1618.1
17.5°	1792.2	1757.0	1716.4	1655.1	1582.0	1535.0	1535.0	1530.5	1533.2
20°	1637.0	1618.1	1578.4	1526.9	1464.6	1422.2	1435.8	1431.3	1436.7
22.5°	1469.2	1454.7	1420.4	1378.0	1325.7	1292.3	1322.1	1321.2	1328.4
25°	1276.9	1266.1	1242.6	1206.6	1160.5	1139.8	1189.4	1189.4	1208.4
27.5°	1064.9	1054.0	1037.8	1007.1	969.2	962.9	1036.0	1045.0	1065.8
30°	848.3	841.1	832.0	804.1	772.5	784.2	885.3	900.6	924.1
32.5°	655.2	650.7	647.9	622.7	594.7	633.5	749.0	768.9	792.3
35°	494.5	484.6	491.8	472.9	447.6	496.3	623.6	640.7	659.7
37.5°	364.6	357.4	363.7	350.1	327.6	380.8	500.9	511.7	524.3
40°	261.7	255.4	260.8	252.7	234.6	284.3	392.6	404.3	409.7
42.5°	185.9	175.1	180.5	174.2	165.1	213.9	308.6	319.5	321.3
45°	117.3	113.7	117.3	113.7	111.9	158.8	243.7	253.6	258.1
47.5°	71.3	66.8	66.8	65.0	66.8	117.3	201.2	215.7	222.9
50°	40.6	38.8	37.9	37.0	40.6	92.0	174.2	190.4	199.4
52.5°	27.1	26.2	26.2	25.3	29.8	77.6	157.0	171.5	180.5
55°	19.9	19.0	19.0	19.0	23.5	66.8	144.4	156.1	164.2
57.5°	15.3	15.3	15.3	14.4	19.9	56.9	129.0	135.4	141.7
60°	12.6	11.7	11.7	11.7	16.2	48.7	111.0	113.7	117.3
62.5°	9.9	9.9	9.9	9.9	13.5	43.3	95.7	95.7	97.5
65°	9.0	8.1	8.1	8.1	11.7	37.9	80.3	79.4	81.2
67.5°	7.2	7.2	7.2	7.2	9.9	32.5	65.9	65.0	66.8
70°	6.3	6.3	6.3	6.3	8.1	27.1	53.2	52.3	54.1
72.5°	5.4	5.4	5.4	5.4	7.2	22.6	42.4	42.4	43.3
75°	4.5	4.5	4.5	4.5	6.3	17.1	34.3	34.3	35.2
77.5°	3.6	3.6	3.6	3.6	4.5	13.5	26.2	25.3	25.3
80°	1.8	2.7	2.7	2.7	3.6	9.9	19.0	17.1	17.1
82.5°	0.9	1.8	1.8	1.8	3.6	7.2	12.6	11.7	11.7
85°	0.9	0.9	0.9	2.7	3.6	5.4	8.1	8.1	8.1
87.5°	0.0	0.9	1.8	3.6	4.5	4.5	5.4	4.5	4.5
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)