

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: P799446

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799446
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 6LBMDSWWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

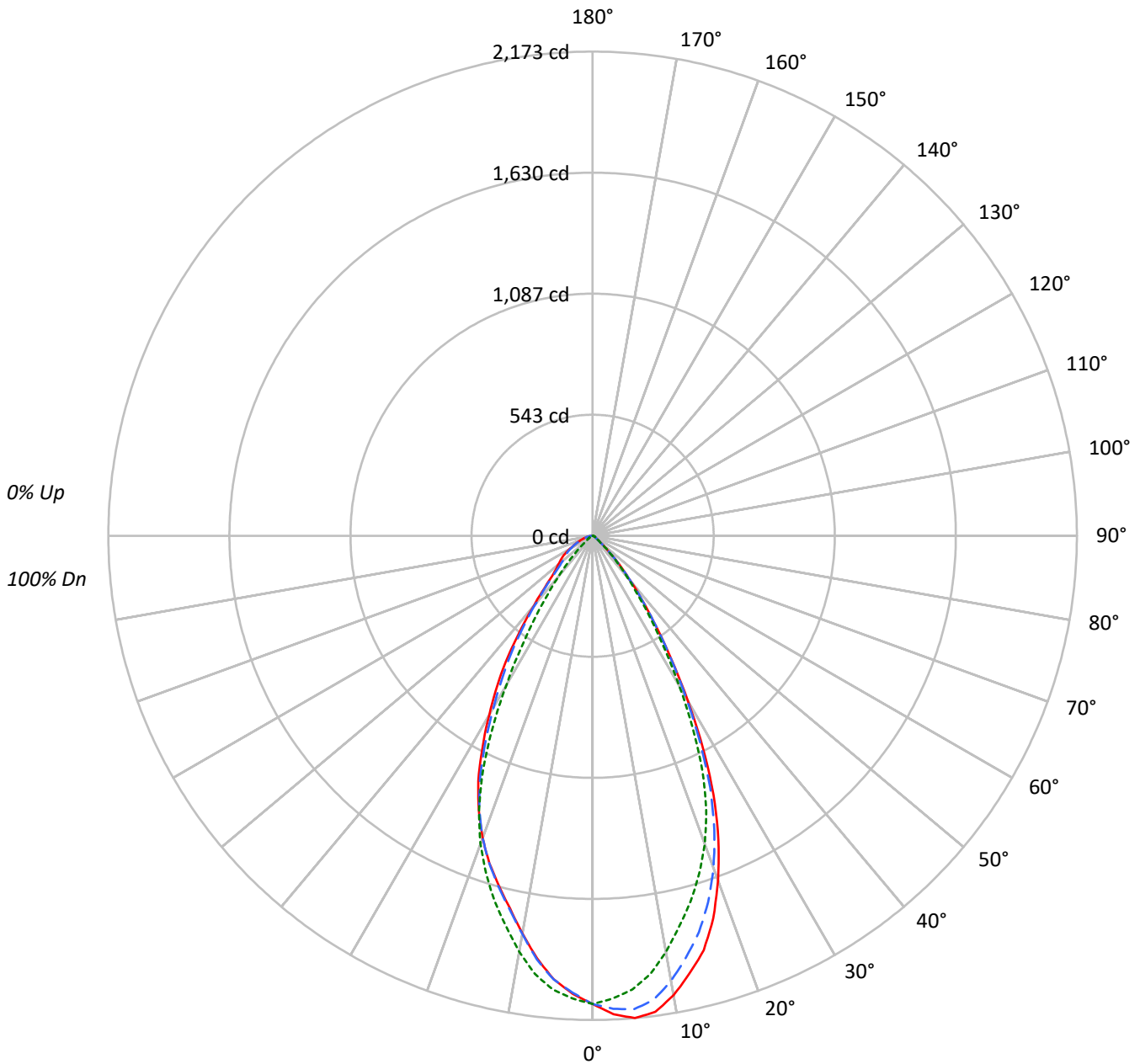
Lumens per Lamp: N/A
Luminaire Lumens: 1809.0 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	115183	115183	115183
5°	119563	112480	109938
10°	116509	105509	100867
15°	109269	96408	92237
20°	95926	85827	84188
25°	77581	70510	73414
30°	53939	49115	58756
35°	33241	30089	44343
40°	18814	16867	29448
45°	9133	8714	20095
50°	3480	3480	17083
55°	1902	2256	15770
60°	1392	1787	12916
65°	1180	1531	10585
70°	1010	1314	8719
75°	953	1334	7498
80°	568	1137	5430
85°	566	2264	5158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	10.6
10°-20°	483.5	26.7
20°-30°	544.2	30.1
30°-40°	337.0	18.6
40°-50°	134.2	7.4
50°-60°	61.1	3.4
60°-70°	35.1	1.9
70°-80°	16.7	0.9
80°-90°	4.9	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°	1220.0	67.4
0°-40°	1557.0	86.1
0°-60°	1752.3	96.9
0°-90°	1809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1809.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2101	2101	2101	2101	2101	
5°	2173	2133	2044	2000	1998	205
15°	1925	1842	1699	1630	1625	533
25°	1283	1248	1166	1195	1214	577
35°	497	494	450	626	663	319
45°	118	118	112	245	259	100
55°	20	19	24	145	165	20
65°	9	8	12	81	82	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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CATALOG NUMBER: LD6C20D010 EU6209035 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2149.2	2129.2	2124.7	2107.5	2078.5	2062.2	2052.2	2044.9	2057.6
5°	2172.7	2151.0	2132.9	2097.5	2044.0	2014.1	1999.6	1987.8	1997.8
7.5°	2155.5	2124.7	2100.2	2051.3	1983.3	1937.1	1917.1	1903.5	1912.6
10°	2093.0	2055.8	2027.7	1969.7	1895.4	1840.1	1815.6	1802.9	1812.0
12.5°	2011.4	1980.6	1938.0	1874.5	1794.8	1736.7	1718.6	1708.6	1712.3
15°	1925.3	1889.0	1841.9	1778.4	1698.7	1640.7	1629.8	1623.4	1625.2
17.5°	1800.2	1764.8	1724.1	1662.4	1589.0	1541.9	1541.9	1537.3	1540.0
20°	1644.3	1625.2	1585.4	1533.7	1471.2	1428.6	1442.1	1437.6	1443.1
22.5°	1475.7	1461.2	1426.7	1384.1	1331.6	1298.0	1327.9	1327.0	1334.3
25°	1282.6	1271.7	1248.2	1211.9	1165.7	1144.8	1194.7	1194.7	1213.7
27.5°	1069.6	1058.7	1042.4	1011.6	973.5	967.2	1040.6	1049.7	1070.5
30°	852.1	844.8	835.7	807.6	775.9	787.7	889.2	904.6	928.2
32.5°	658.1	653.5	650.8	625.4	597.3	636.3	752.3	772.3	795.9
35°	496.7	486.8	494.0	475.0	449.6	498.5	626.4	643.6	662.6
37.5°	366.2	359.0	365.3	351.7	329.0	382.5	503.1	514.0	526.6
40°	262.9	256.5	262.0	253.8	235.7	285.5	394.3	406.1	411.5
42.5°	186.7	175.8	181.3	174.9	165.9	214.8	310.0	320.9	322.7
45°	117.8	114.2	117.8	114.2	112.4	159.5	244.7	254.7	259.2
47.5°	71.6	67.1	67.1	65.3	67.1	117.8	202.1	216.6	223.9
50°	40.8	39.0	38.1	37.2	40.8	92.5	174.9	191.3	200.3
52.5°	27.2	26.3	26.3	25.4	29.9	78.0	157.7	172.2	181.3
55°	19.9	19.0	19.0	19.0	23.6	67.1	145.0	156.8	165.0
57.5°	15.4	15.4	15.4	14.5	19.9	57.1	129.6	136.0	142.3
60°	12.7	11.8	11.8	11.8	16.3	48.9	111.5	114.2	117.8
62.5°	10.0	10.0	10.0	10.0	13.6	43.5	96.1	96.1	97.9
65°	9.1	8.2	8.2	8.2	11.8	38.1	80.7	79.8	81.6
67.5°	7.3	7.3	7.3	7.3	10.0	32.6	66.2	65.3	67.1
70°	6.3	6.3	6.3	6.3	8.2	27.2	53.5	52.6	54.4
72.5°	5.4	5.4	5.4	5.4	7.3	22.7	42.6	42.6	43.5
75°	4.5	4.5	4.5	4.5	6.3	17.2	34.4	34.4	35.4
77.5°	3.6	3.6	3.6	3.6	4.5	13.6	26.3	25.4	25.4
80°	1.8	2.7	2.7	2.7	3.6	10.0	19.0	17.2	17.2
82.5°	0.9	1.8	1.8	1.8	3.6	7.3	12.7	11.8	11.8
85°	0.9	0.9	0.9	2.7	3.6	5.4	8.2	8.2	8.2
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)