

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: P799464

Luminaire Tested: **LD6C20D010 EU6209050 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799464
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: LD6C20D010 EU6209050 6LBMDDWWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

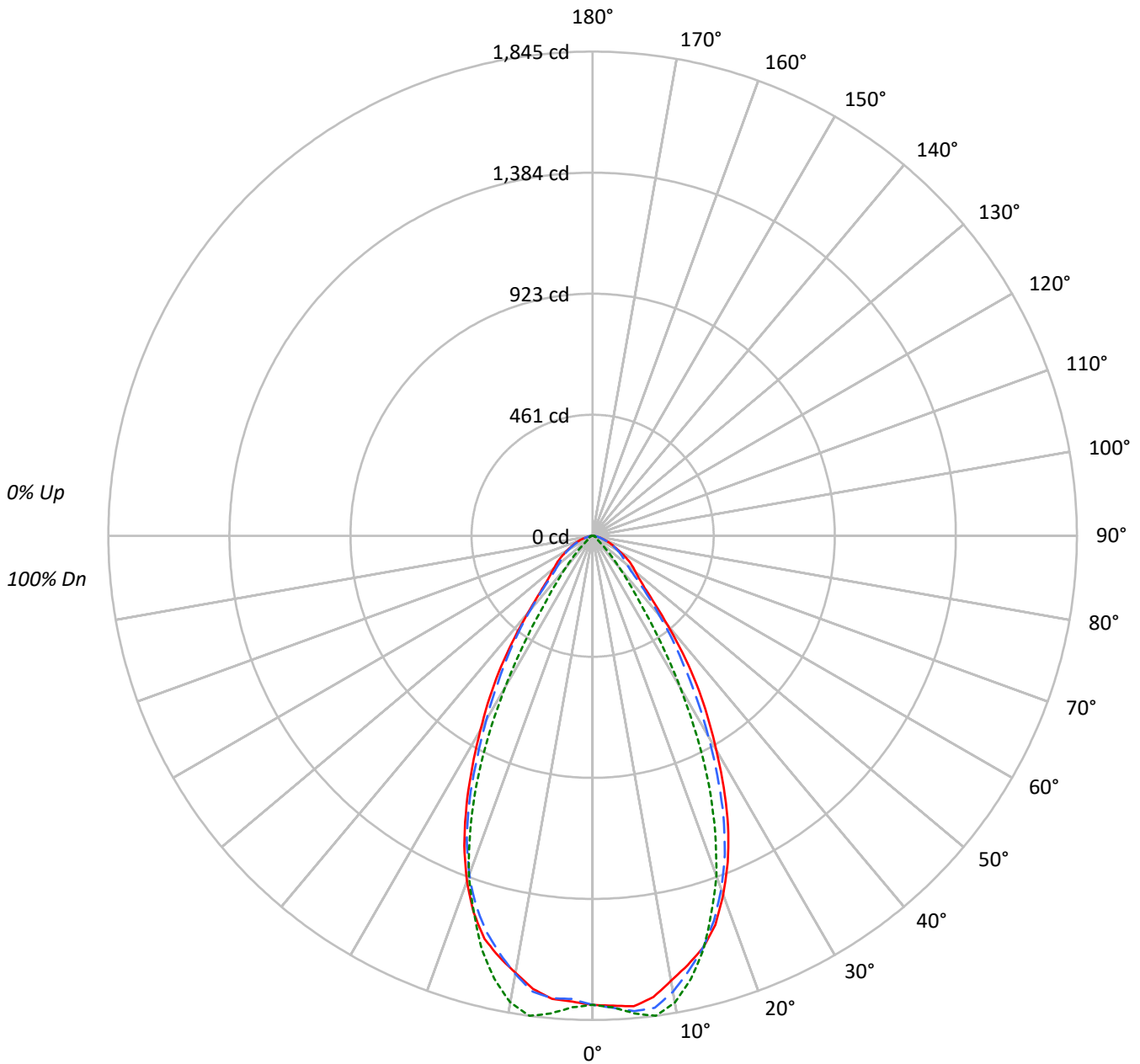
Lumens per Lamp: N/A
Luminaire Lumens: 1820.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	98002	98002	98002
5°	99026	100528	97479
10°	95818	100527	94148
15°	92225	92583	90262
20°	84877	80419	81697
25°	73867	63415	68810
30°	59572	42133	54053
35°	46190	21723	40589
40°	31688	11257	27330
45°	21715	5636	19173
50°	18072	2405	16443
55°	16248	2084	14690
60°	12861	1995	12258
65°	10611	1764	10494
70°	8591	1603	8591
75°	6354	1737	6736
80°	3725	1421	4009
85°	2830	1698	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.2	9.4
10°-20°	446.6	24.5
20°-30°	509.8	28.0
30°-40°	338.1	18.6
40°-50°	163.1	9.0
50°-60°	100.3	5.5
60°-70°	60.7	3.3
70°-80°	25.5	1.4
80°-90°	5.6	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°	1126.6	61.9
0°-40°	1464.7	80.5
0°-60°	1728.1	95.0
0°-90°	1820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1820.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1788	1788	1788	1788	1788	
5°	1800	1819	1827	1769	1771	169
15°	1625	1625	1631	1562	1590	453
25°	1221	1180	1048	1109	1138	554
35°	690	608	325	567	606	427
45°	280	246	73	229	247	228
55°	170	138	22	138	154	150
65°	82	78	14	74	81	82
75°	30	30	8	28	32	32
85°	4	6	3	4	4	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°	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7
2.5°	1792.3	1795.0	1800.5	1801.4	1798.6	1781.4	1766.8	1772.3	1776.8
5°	1799.5	1805.0	1818.6	1831.4	1826.8	1797.7	1768.6	1767.7	1771.4
7.5°	1773.2	1785.9	1814.1	1845.9	1845.0	1795.0	1752.3	1741.3	1741.3
10°	1721.3	1733.2	1764.1	1806.8	1805.9	1743.2	1695.9	1690.4	1691.3
12.5°	1675.0	1680.4	1695.9	1729.5	1729.5	1667.7	1631.3	1636.8	1644.0
15°	1625.0	1628.6	1625.0	1635.9	1631.3	1580.4	1562.2	1579.5	1590.4
17.5°	1554.0	1555.8	1536.7	1522.2	1504.9	1473.1	1477.6	1503.1	1505.8
20°	1454.9	1466.7	1432.2	1394.9	1378.5	1348.5	1374.0	1402.2	1400.4
22.5°	1345.8	1359.4	1314.9	1253.0	1219.4	1207.6	1253.0	1278.5	1277.6
25°	1221.2	1231.2	1180.3	1093.9	1048.4	1046.6	1109.4	1135.7	1137.6
27.5°	1081.2	1084.8	1027.5	914.8	858.4	872.0	951.1	987.5	992.1
30°	941.1	939.3	880.2	740.2	665.6	702.9	809.3	849.3	853.9
32.5°	812.9	807.5	740.2	572.9	483.8	539.2	679.3	721.1	728.4
35°	690.2	681.1	608.3	423.7	324.6	407.4	567.4	603.8	606.5
37.5°	562.0	557.4	500.1	317.4	226.4	309.2	462.8	489.2	486.5
40°	442.8	442.8	395.6	235.5	157.3	230.1	366.5	390.1	381.9
42.5°	347.4	351.9	311.9	173.7	111.8	171.0	290.1	311.9	302.8
45°	280.1	280.1	245.5	129.1	72.7	127.3	229.1	249.2	247.3
47.5°	237.3	233.7	199.1	94.6	40.0	95.5	192.8	217.3	216.4
50°	211.9	206.4	171.0	74.6	28.2	79.1	169.1	191.9	192.8
52.5°	191.9	183.7	153.7	66.4	24.6	69.1	153.7	171.9	171.9
55°	170.0	165.5	138.2	59.1	21.8	61.8	138.2	154.6	153.7
57.5°	143.7	142.8	123.7	53.6	20.0	54.6	123.7	133.7	130.0
60°	117.3	120.9	107.3	48.2	18.2	49.1	105.5	113.7	111.8
62.5°	98.2	102.8	93.7	42.7	15.5	43.6	89.1	97.3	95.5
65°	81.8	85.5	78.2	36.4	13.6	36.4	73.7	80.9	80.9
67.5°	67.3	70.0	64.6	30.0	11.8	30.0	60.0	66.4	67.3
70°	53.6	55.5	50.9	23.6	10.0	24.6	47.3	53.6	53.6
72.5°	41.8	42.7	40.0	19.1	9.1	19.1	36.4	41.8	41.8
75°	30.0	31.8	30.0	14.5	8.2	14.5	28.2	30.9	31.8
77.5°	17.3	21.8	21.8	11.8	6.4	10.9	20.0	20.9	20.9
80°	11.8	13.6	15.5	8.2	4.5	8.2	12.7	13.6	12.7
82.5°	8.2	9.1	9.1	5.5	3.6	5.5	8.2	9.1	8.2
85°	4.5	6.4	6.4	4.5	2.7	3.6	4.5	5.5	4.5
87.5°	2.7	3.6	4.5	3.6	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)