

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: P799463

Luminaire Tested: **LD6C20D010 EU6209050 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799463
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 6LBMDDWMW
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

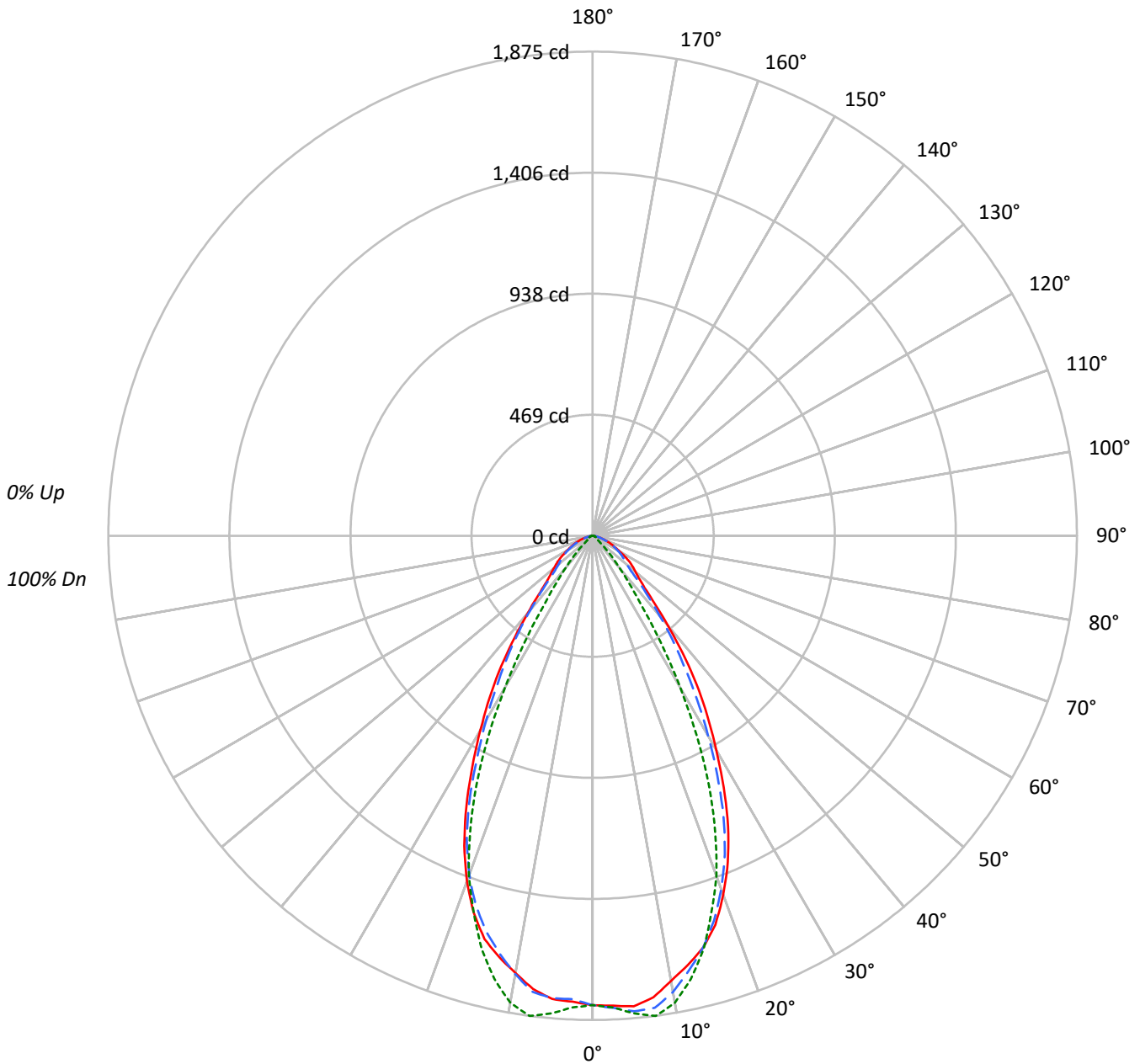
Lumens per Lamp: N/A
Luminaire Lumens: 1850.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	99619	99619	99619
5°	100660	102184	99086
10°	97399	102186	95701
15°	93741	94110	91749
20°	86277	81750	83039
25°	75083	64461	69942
30°	60560	42829	54939
35°	46947	22085	41258
40°	32210	11443	27781
45°	22072	5729	19490
50°	18370	2448	16716
55°	16516	2122	14929
60°	13069	2028	12466
65°	10792	1803	10676
70°	8735	1635	8735
75°	6460	1758	6863
80°	3788	1452	4072
85°	2893	1761	2893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	9.4
10°-20°	454.0	24.5
20°-30°	518.2	28.0
30°-40°	343.7	18.6
40°-50°	165.8	9.0
50°-60°	102.0	5.5
60°-70°	61.7	3.3
70°-80°	26.0	1.4
80°-90°	5.7	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°	1145.2	61.9
0°-40°	1488.9	80.5
0°-60°	1756.6	95.0
0°-90°	1850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1850.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1817	1817	1817	1817	1817	
5°	1829	1849	1857	1798	1801	172
15°	1652	1652	1658	1588	1617	460
25°	1241	1200	1066	1128	1156	563
35°	702	618	330	577	616	434
45°	285	250	74	233	251	232
55°	173	140	22	140	156	152
65°	83	80	14	75	82	84
75°	30	30	8	29	32	33
85°	5	6	3	5	5	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°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1821.8	1824.6	1830.1	1831.1	1828.3	1810.7	1795.9	1801.5	1806.1
5°	1829.2	1834.8	1848.6	1861.6	1856.9	1827.4	1797.8	1796.9	1800.6
7.5°	1802.4	1815.3	1844.0	1876.3	1875.4	1824.6	1781.1	1770.0	1770.0
10°	1749.7	1761.7	1793.2	1836.6	1835.7	1771.9	1723.8	1718.3	1719.2
12.5°	1702.6	1708.1	1723.8	1758.0	1758.0	1695.2	1658.2	1663.8	1671.1
15°	1651.7	1655.4	1651.7	1662.8	1658.2	1606.4	1588.0	1605.5	1616.6
17.5°	1579.6	1581.5	1562.1	1547.3	1529.7	1497.4	1502.0	1527.9	1530.7
20°	1478.9	1490.9	1455.8	1417.9	1401.3	1370.7	1396.6	1425.3	1423.4
22.5°	1368.0	1381.8	1336.5	1273.7	1239.5	1227.5	1273.7	1299.6	1298.7
25°	1241.3	1251.5	1199.8	1111.9	1065.7	1063.9	1127.7	1154.5	1156.3
27.5°	1099.0	1102.7	1044.5	929.9	872.5	886.4	966.8	1003.8	1008.4
30°	956.7	954.8	894.7	752.4	676.6	714.5	822.6	863.3	867.9
32.5°	826.3	820.8	752.4	582.3	491.7	548.1	690.5	733.0	740.4
35°	701.5	692.3	618.4	430.7	330.0	414.1	576.8	613.7	616.5
37.5°	571.2	566.6	508.4	322.6	230.2	314.3	470.5	497.3	494.5
40°	450.1	450.1	402.1	239.4	159.9	233.8	372.5	396.5	388.2
42.5°	353.1	357.7	317.0	176.5	113.7	173.8	294.9	317.0	307.8
45°	284.7	284.7	249.6	131.3	73.9	129.4	232.9	253.3	251.4
47.5°	241.2	237.5	202.4	96.1	40.7	97.1	196.0	220.9	220.0
50°	215.4	209.8	173.8	75.8	28.7	80.4	171.9	195.0	196.0
52.5°	195.0	186.7	156.2	67.5	25.0	70.2	156.2	174.7	174.7
55°	172.8	168.2	140.5	60.1	22.2	62.9	140.5	157.1	156.2
57.5°	146.0	145.1	125.7	54.5	20.3	55.5	125.7	135.9	132.2
60°	119.2	122.9	109.1	49.0	18.5	49.9	107.2	115.5	113.7
62.5°	99.8	104.4	95.2	43.4	15.7	44.4	90.6	98.9	97.1
65°	83.2	86.9	79.5	37.0	13.9	37.0	74.9	82.3	82.3
67.5°	68.4	71.2	65.6	30.5	12.0	30.5	61.0	67.5	68.4
70°	54.5	56.4	51.8	24.0	10.2	25.0	48.1	54.5	54.5
72.5°	42.5	43.4	40.7	19.4	9.2	19.4	37.0	42.5	42.5
75°	30.5	32.4	30.5	14.8	8.3	14.8	28.7	31.4	32.4
77.5°	17.6	22.2	22.2	12.0	6.5	11.1	20.3	21.3	21.3
80°	12.0	13.9	15.7	8.3	4.6	8.3	12.9	13.9	12.9
82.5°	8.3	9.2	9.2	5.5	3.7	5.5	8.3	9.2	8.3
85°	4.6	6.5	6.5	4.6	2.8	3.7	4.6	5.5	4.6
87.5°	2.8	3.7	4.6	3.7	2.8	2.8	2.8	2.8	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)