

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: P#

Luminaire Tested: **LX6C100D010 EX6C1009050 6LBCSSQMW**

Issue Date: 5/25/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)
Test Lab: INNOVATION CENTER
Issue Date: 5/25/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX6C1009050 6LBCSSQMW
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

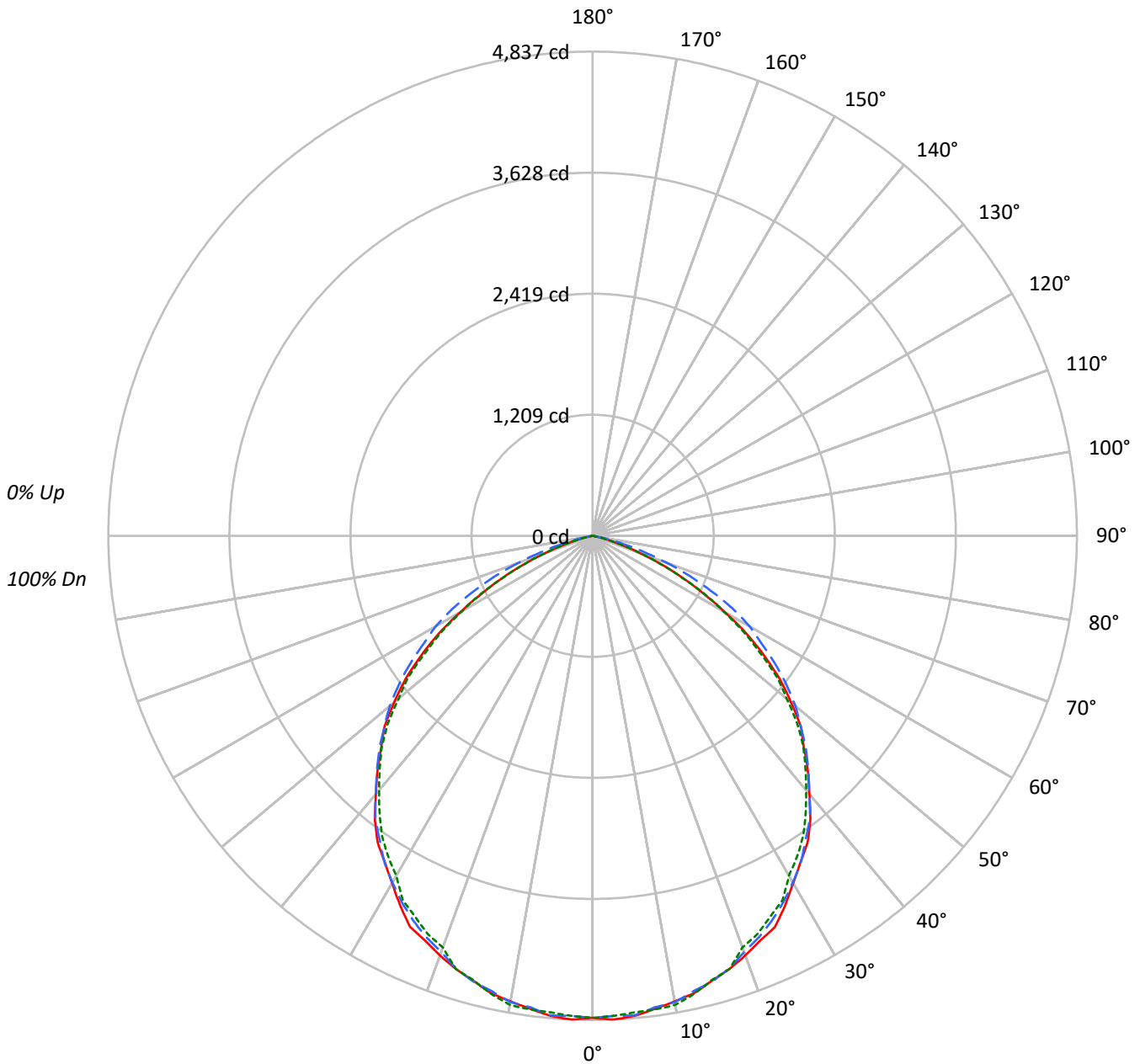
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11627.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
Input Voltage (V):
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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89				87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77				75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66				64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58				56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51				49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45				43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40				38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36				34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32				31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30				28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	207347	207347	207347
5°	208139	207837	206605
10°	206515	206821	208067
15°	205163	205488	204851
20°	204380	202753	200476
25°	204825	201452	199423
30°	199164	198816	194928
35°	196747	194881	192637
40°	189232	189232	186438
45°	181659	183376	181214
50°	173184	176995	169386
55°	157292	166893	153561
60°	131509	155956	129675
65°	100595	133135	99851
70°	62603	98355	63484
75°	23639	53183	22441
80°	1736	8802	1736
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.5	3.9
10°-20°	1298.8	11.2
20°-30°	1954.4	16.8
30°-40°	2312.0	19.9
40°-50°	2307.2	19.8
50°-60°	1913.2	16.5
60°-70°	1117.8	9.6
70°-80°	266.2	2.3
80°-90°	1.9	0.0
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°	3708.6	31.9
0°-40°	6020.6	51.8
0°-60°	10241.1	88.1
0°-90°	11627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4816	4816	4816	4816	4816	
5°	4816	4791	4809	4795	4780	456
15°	4603	4599	4610	4589	4596	1301
25°	4312	4262	4240	4226	4198	1971
35°	3743	3708	3708	3687	3665	2327
45°	2983	2987	3012	2980	2976	2308
55°	2095	2170	2223	2163	2046	1860
65°	987	1112	1307	1108	980	981
75°	142	206	320	202	135	192
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8
2.5°	4837.3	4808.8	4830.0	4787.5	4815.8	4787.5	4794.5	4780.3	4808.8	4801.5	4794.5
5°	4815.8	4823.0	4808.8	4823.0	4801.5	4780.3	4801.5	4787.5	4744.8	4808.8	4794.5
7.5°	4766.1	4773.3	4759.1	4780.3	4766.1	4737.6	4794.5	4751.8	4744.8	4751.8	4780.3
10°	4723.6	4737.6	4730.6	4723.6	4730.6	4730.6	4716.3	4695.1	4716.3	4730.6	4723.6
12.5°	4680.9	4702.1	4687.9	4673.9	4659.7	4666.6	4680.9	4645.4	4645.4	4659.7	4702.1
15°	4602.7	4616.9	4623.9	4595.7	4595.7	4602.7	4631.2	4574.2	4602.7	4610.0	4616.9
17.5°	4538.8	4546.0	4546.0	4524.5	4538.8	4517.5	4538.8	4510.3	4538.8	4531.8	4546.0
20°	4460.6	4474.8	4460.6	4460.6	4446.6	4453.6	4453.6	4453.6	4432.4	4425.1	4439.3
22.5°	4375.4	4375.4	4361.2	4375.4	4361.2	4354.2	4389.6	4332.9	4389.6	4339.9	4382.7
25°	4311.5	4276.0	4254.8	4247.5	4276.0	4247.5	4261.7	4240.5	4254.8	4240.5	4247.5
27.5°	4162.3	4141.1	4133.9	4141.1	4141.1	4133.9	4162.3	4084.2	4133.9	4126.9	4126.9
30°	4006.0	4006.0	4020.2	4006.0	4020.2	3999.0	4027.5	3963.5	4006.0	3999.0	4006.0
32.5°	3864.1	3871.1	3871.1	3885.3	3864.1	3871.1	3871.1	3849.9	3864.1	3871.1	3856.9
35°	3743.2	3707.7	3707.7	3707.7	3707.7	3707.7	3722.0	3700.8	3722.0	3707.7	3707.7
37.5°	3572.9	3537.4	3537.4	3530.1	3565.6	3544.4	3579.8	3551.4	3551.4	3565.6	3565.6
40°	3366.8	3381.0	3359.8	3388.0	3381.0	3352.5	3416.5	3374.0	3402.3	3366.8	3395.3
42.5°	3182.2	3189.2	3182.2	3175.0	3203.4	3196.4	3224.7	3196.4	3189.2	3189.2	3238.9
45°	2983.4	2983.4	2983.4	3004.6	2983.4	2990.4	3018.8	3004.6	3018.8	3011.6	3061.3
47.5°	2819.8	2784.3	2777.3	2819.8	2812.8	2819.8	2819.8	2827.0	2834.0	2819.8	2841.3
50°	2585.5	2571.2	2571.2	2578.5	2585.5	2599.7	2620.9	2635.2	2620.9	2642.4	2649.4
52.5°	2358.2	2343.9	2351.2	2379.4	2393.6	2386.7	2422.1	2429.1	2422.1	2436.4	2436.4
55°	2095.4	2081.2	2102.4	2138.1	2159.4	2180.6	2216.0	2187.8	2216.0	2223.3	2230.3
57.5°	1825.4	1818.4	1825.4	1860.9	1882.3	1932.1	1988.7	1988.7	2017.2	1996.0	2017.2
60°	1527.2	1527.2	1555.6	1576.9	1633.8	1669.3	1726.0	1754.5	1782.9	1811.1	1797.2
62.5°	1242.9	1250.2	1271.4	1321.1	1356.5	1406.5	1470.2	1498.7	1548.4	1576.9	1562.6
65°	987.4	987.4	1001.6	1044.1	1079.5	1143.5	1200.4	1264.4	1292.9	1306.8	1314.1
67.5°	738.6	731.6	760.1	788.6	824.0	888.0	951.9	987.4	1037.1	1051.3	1044.1
70°	497.3	504.3	518.5	547.0	589.5	639.2	710.4	738.6	767.1	781.3	767.1
72.5°	312.5	312.5	319.7	347.9	376.4	411.9	461.6	490.1	525.5	532.8	518.5
75°	142.1	142.1	156.4	170.3	191.8	220.3	255.8	277.0	298.2	319.7	319.7
77.5°	28.5	35.5	42.7	42.7	56.7	78.2	99.4	120.6	142.1	142.1	142.1
80°	7.0	7.0	7.0	7.0	7.0	7.0	14.2	21.2	35.5	35.5	35.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8	4815.8
2.5°	4815.8	4858.5	4815.8	4794.5	4823.0	4815.8	4794.5	4801.5
5°	4794.5	4808.8	4823.0	4766.1	4801.5	4808.8	4794.5	4780.3
7.5°	4773.3	4780.3	4773.3	4759.1	4759.1	4759.1	4773.3	4773.3
10°	4766.1	4744.8	4709.4	4687.9	4709.4	4709.4	4702.1	4759.1
12.5°	4673.9	4702.1	4680.9	4638.2	4680.9	4673.9	4673.9	4687.9
15°	4602.7	4602.7	4616.9	4560.2	4588.5	4581.5	4581.5	4595.7
17.5°	4531.8	4531.8	4524.5	4510.3	4503.3	4524.5	4503.3	4538.8
20°	4432.4	4446.6	4489.0	4418.1	4439.3	4418.1	4418.1	4375.4
22.5°	4311.5	4382.7	4346.9	4339.9	4332.9	4339.9	4354.2	4304.5
25°	4233.3	4233.3	4247.5	4205.1	4205.1	4219.3	4212.0	4197.8
27.5°	4126.9	4119.6	4112.6	4098.4	4133.9	4105.6	4105.6	4105.6
30°	3977.8	3999.0	3992.0	3956.3	3999.0	3984.7	3963.5	3920.8
32.5°	3849.9	3878.3	3835.6	3828.6	3821.4	3828.6	3835.6	3800.2
35°	3693.5	3700.8	3700.8	3672.3	3679.3	3672.3	3658.0	3665.0
37.5°	3551.4	3544.4	3508.9	3494.7	3501.7	3501.7	3508.9	3494.7
40°	3352.5	3374.0	3374.0	3324.3	3338.3	3324.3	3324.3	3317.1
42.5°	3189.2	3196.4	3175.0	3153.7	3153.7	3146.7	3132.5	3146.7
45°	3018.8	3011.6	2990.4	2969.1	2969.1	2961.9	2947.7	2976.1
47.5°	2827.0	2812.8	2805.8	2777.3	2777.3	2734.6	2741.8	2770.1
50°	2635.2	2620.9	2592.7	2578.5	2557.0	2535.8	2528.8	2528.8
52.5°	2407.9	2407.9	2379.4	2351.2	2343.9	2329.7	2315.5	2322.7
55°	2209.1	2209.1	2187.8	2138.1	2109.6	2074.2	2052.7	2045.7
57.5°	1981.8	1967.5	1924.8	1868.1	1839.6	1811.1	1789.9	1789.9
60°	1754.5	1719.0	1676.3	1626.6	1576.9	1527.2	1512.9	1505.9
62.5°	1505.9	1470.2	1392.3	1335.3	1299.9	1271.4	1242.9	1264.4
65°	1257.1	1207.4	1136.5	1079.5	1044.1	1001.6	980.1	980.1
67.5°	994.4	944.7	873.7	816.8	781.3	752.8	724.6	724.6
70°	731.6	696.1	632.2	582.5	554.0	511.3	504.3	504.3
72.5°	497.3	454.6	404.9	369.4	341.0	312.5	298.2	291.2
75°	277.0	248.5	213.1	191.8	163.4	149.1	134.9	134.9
77.5°	113.7	92.4	70.9	56.7	42.7	35.5	28.5	35.5
80°	21.2	14.2	7.0	7.0	7.0	7.0	7.0	7.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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)