

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: **LX6C120D010 EX6C1209050 6LBPSSQMW**

Issue Date: 2/18/2022



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: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209050 6LBPSSQMW
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBPSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

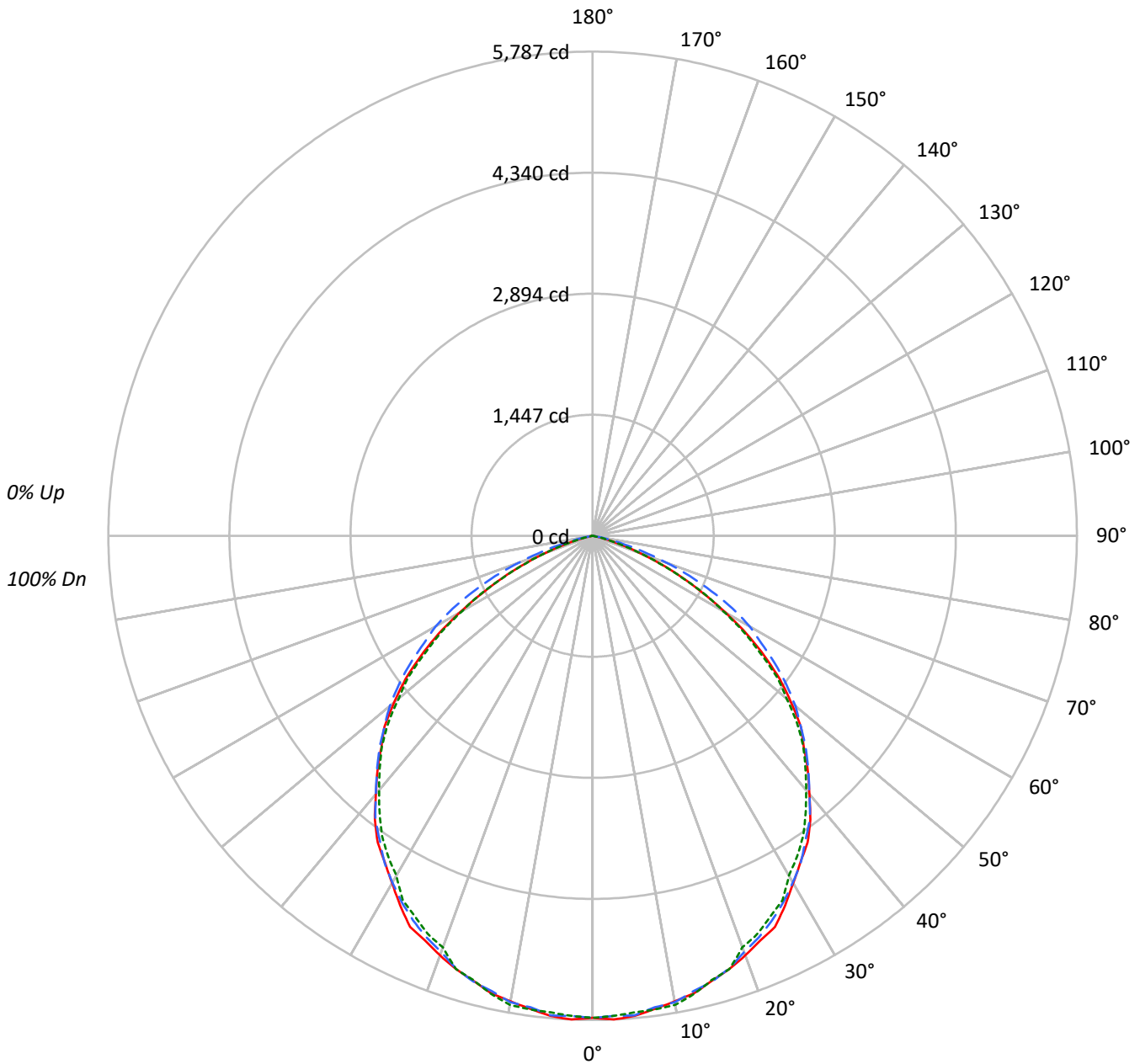
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13910.0 lumens
Efficiency: N/A
Efficacy: 97.8 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): 142.3
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	100	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87	87	87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75	75	75	75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64	64	64	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	56	56	56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49	49	49	49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43	43	43	43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38	38	38	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34	34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31	31	31	31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28	28	28	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	248057	248057	248057
5°	249004	248645	247172
10°	247065	247433	248919
15°	245449	245833	245075
20°	244508	242565	239839
25°	245039	241011	238583
30°	238271	237853	233205
35°	235380	233151	230465
40°	226389	226389	223045
45°	217328	219380	216798
50°	207184	211752	202643
55°	188174	199666	183715
60°	157325	186586	155138
65°	120349	159277	119463
70°	74902	117666	75947
75°	28280	63631	26850
80°	2083	10513	2083
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.9	3.9
10°-20°	1553.8	11.2
20°-30°	2338.1	16.8
30°-40°	2766.0	19.9
40°-50°	2760.3	19.8
50°-60°	2288.9	16.5
60°-70°	1337.3	9.6
70°-80°	318.5	2.3
80°-90°	2.3	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°	4436.8	31.9
0°-40°	7202.8	51.8
0°-60°	12252.0	88.1
0°-90°	13910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5761	5761	5761	5761	5761	
5°	5761	5732	5753	5736	5719	546
15°	5506	5502	5515	5490	5498	1557
25°	5158	5099	5073	5056	5022	2358
35°	4478	4436	4436	4410	4385	2784
45°	3569	3573	3603	3565	3560	2761
55°	2507	2596	2660	2588	2447	2226
65°	1181	1330	1563	1326	1173	1174
75°	170	247	382	242	161	230
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°	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3
2.5°	5787.1	5753.0	5778.4	5727.6	5761.3	5727.6	5736.0	5718.9	5753.0	5744.3	5736.0
5°	5761.3	5770.0	5753.0	5770.0	5744.3	5718.9	5744.3	5727.6	5676.5	5753.0	5736.0
7.5°	5701.9	5710.6	5693.5	5718.9	5701.9	5667.8	5736.0	5684.8	5676.5	5684.8	5718.9
10°	5651.1	5667.8	5659.5	5651.1	5659.5	5659.5	5642.4	5617.0	5642.4	5659.5	5651.1
12.5°	5600.0	5625.4	5608.3	5591.6	5574.6	5583.0	5600.0	5557.6	5557.6	5574.6	5625.4
15°	5506.5	5523.5	5531.8	5498.1	5498.1	5506.5	5540.5	5472.4	5506.5	5515.1	5523.5
17.5°	5430.0	5438.6	5438.6	5412.9	5430.0	5404.6	5430.0	5395.9	5430.0	5421.6	5438.6
20°	5336.4	5353.5	5336.4	5336.4	5319.7	5328.1	5328.1	5328.1	5302.7	5294.0	5311.0
22.5°	5234.5	5234.5	5217.5	5234.5	5217.5	5209.1	5251.6	5183.7	5251.6	5192.1	5243.2
25°	5158.0	5115.6	5090.2	5081.5	5115.6	5081.5	5098.6	5073.2	5090.2	5073.2	5081.5
27.5°	4979.6	4954.2	4945.6	4954.2	4954.2	4945.6	4979.6	4886.1	4945.6	4937.2	4937.2
30°	4792.6	4792.6	4809.6	4792.6	4809.6	4784.2	4818.3	4741.8	4792.6	4784.2	4792.6
32.5°	4622.8	4631.2	4631.2	4648.2	4622.8	4631.2	4631.2	4605.8	4622.8	4631.2	4614.2
35°	4478.2	4435.8	4435.8	4435.8	4435.8	4435.8	4452.8	4427.4	4452.8	4435.8	4435.8
37.5°	4274.4	4232.0	4232.0	4223.3	4265.7	4240.3	4282.8	4248.7	4248.7	4265.7	4265.7
40°	4027.9	4044.9	4019.5	4053.3	4044.9	4010.8	4087.3	4036.5	4070.3	4027.9	4061.9
42.5°	3807.0	3815.4	3807.0	3798.4	3832.4	3824.1	3857.8	3824.1	3815.4	3815.4	3874.9
45°	3569.2	3569.2	3569.2	3594.6	3569.2	3577.5	3611.6	3594.6	3611.6	3602.9	3662.4
47.5°	3373.4	3331.0	3322.6	3373.4	3365.1	3373.4	3373.4	3382.1	3390.5	3373.4	3399.1
50°	3093.1	3076.1	3076.1	3084.8	3093.1	3110.2	3135.6	3152.6	3135.6	3161.3	3169.6
52.5°	2821.2	2804.2	2812.9	2846.6	2863.6	2855.3	2897.7	2906.1	2897.7	2914.7	2914.7
55°	2506.8	2489.8	2515.2	2558.0	2583.3	2608.7	2651.2	2617.4	2651.2	2659.9	2668.2
57.5°	2183.8	2175.5	2183.8	2226.2	2252.0	2311.4	2379.2	2379.2	2413.3	2387.9	2413.3
60°	1827.0	1827.0	1861.1	1886.5	1954.6	1997.1	2064.9	2099.0	2133.0	2166.8	2150.1
62.5°	1486.9	1495.6	1521.0	1580.5	1622.9	1682.7	1758.9	1792.9	1852.4	1886.5	1869.4
65°	1181.3	1181.3	1198.3	1249.1	1291.5	1368.0	1436.2	1512.7	1546.7	1563.4	1572.1
67.5°	883.6	875.3	909.3	943.4	985.8	1062.3	1138.8	1181.3	1240.7	1257.8	1249.1
70°	595.0	603.3	620.4	654.4	705.2	764.7	849.9	883.6	917.7	934.7	917.7
72.5°	373.8	373.8	382.5	416.3	450.3	492.8	552.2	586.3	628.7	637.4	620.4
75°	170.0	170.0	187.1	203.8	229.5	263.6	306.0	331.4	356.8	382.5	382.5
77.5°	34.1	42.4	51.1	51.1	67.8	93.5	118.9	144.3	170.0	170.0	170.0
80°	8.4	8.4	8.4	8.4	8.4	8.4	17.0	25.4	42.4	42.4	42.4
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°	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3	5761.3
2.5°	5761.3	5812.5	5761.3	5736.0	5770.0	5761.3	5736.0	5744.3
5°	5736.0	5753.0	5770.0	5701.9	5744.3	5753.0	5736.0	5718.9
7.5°	5710.6	5718.9	5710.6	5693.5	5693.5	5693.5	5710.6	5710.6
10°	5701.9	5676.5	5634.1	5608.3	5634.1	5634.1	5625.4	5693.5
12.5°	5591.6	5625.4	5600.0	5548.9	5600.0	5591.6	5591.6	5608.3
15°	5506.5	5506.5	5523.5	5455.7	5489.4	5481.1	5481.1	5498.1
17.5°	5421.6	5421.6	5412.9	5395.9	5387.5	5412.9	5387.5	5430.0
20°	5302.7	5319.7	5370.5	5285.6	5311.0	5285.6	5285.6	5234.5
22.5°	5158.0	5243.2	5200.4	5192.1	5183.7	5192.1	5209.1	5149.7
25°	5064.5	5064.5	5081.5	5030.7	5030.7	5047.8	5039.1	5022.1
27.5°	4937.2	4928.5	4920.2	4903.1	4945.6	4911.8	4911.8	4911.8
30°	4758.8	4784.2	4775.8	4733.1	4784.2	4767.2	4741.8	4690.7
32.5°	4605.8	4639.9	4588.8	4580.4	4571.7	4580.4	4588.8	4546.3
35°	4418.7	4427.4	4427.4	4393.3	4401.7	4393.3	4376.3	4384.7
37.5°	4248.7	4240.3	4197.9	4180.9	4189.2	4189.2	4197.9	4180.9
40°	4010.8	4036.5	4036.5	3977.1	3993.8	3977.1	3977.1	3968.4
42.5°	3815.4	3824.1	3798.4	3773.0	3773.0	3764.6	3747.6	3764.6
45°	3611.6	3602.9	3577.5	3552.1	3552.1	3543.5	3526.4	3560.5
47.5°	3382.1	3365.1	3356.7	3322.6	3322.6	3271.5	3280.2	3314.0
50°	3152.6	3135.6	3101.8	3084.8	3059.1	3033.7	3025.3	3025.3
52.5°	2880.7	2880.7	2846.6	2812.9	2804.2	2787.1	2770.1	2778.8
55°	2642.8	2642.8	2617.4	2558.0	2523.9	2481.5	2455.7	2447.4
57.5°	2370.9	2353.8	2302.7	2234.9	2200.8	2166.8	2141.4	2141.4
60°	2099.0	2056.5	2005.4	1945.9	1886.5	1827.0	1810.0	1801.6
62.5°	1801.6	1758.9	1665.7	1597.5	1555.1	1521.0	1486.9	1512.7
65°	1504.0	1444.5	1359.7	1291.5	1249.1	1198.3	1172.6	1172.6
67.5°	1189.6	1130.2	1045.3	977.2	934.7	900.7	866.9	866.9
70°	875.3	832.8	756.3	696.9	662.8	611.7	603.3	603.3
72.5°	595.0	543.9	484.4	442.0	407.9	373.8	356.8	348.4
75°	331.4	297.3	254.9	229.5	195.4	178.4	161.4	161.4
77.5°	136.0	110.6	84.9	67.8	51.1	42.4	34.1	42.4
80°	25.4	17.0	8.4	8.4	8.4	8.4	8.4	8.4
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)