

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: **LX6C130D010 EX6C1309050 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: LX6C130D010 EX6C1309050 6LBPSSQMW
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBPSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

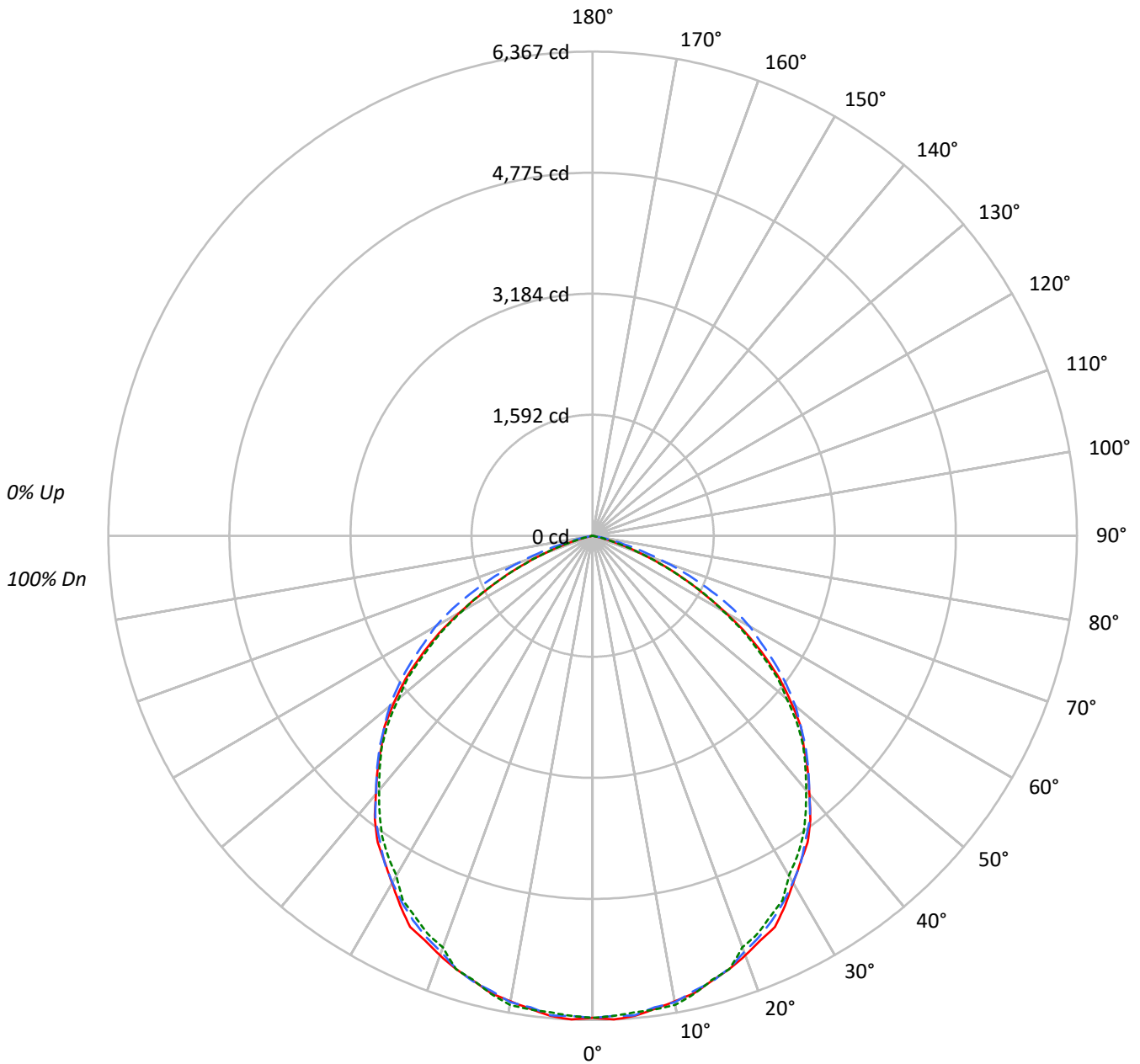
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15304.0 lumens
Efficiency: N/A
Efficacy: 106.1 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): 144.3
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
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°	272917	272917	272917
5°	273959	273562	271941
10°	271824	272226	273866
15°	270046	270469	269636
20°	269012	266872	263875
25°	269596	265163	262489
30°	262145	261687	256571
35°	258969	256515	253561
40°	249073	249073	245397
45°	239109	241368	238524
50°	227949	232973	222952
55°	207037	219671	202128
60°	173092	205281	170690
65°	132401	175241	131433
70°	82405	129462	83563
75°	31125	70002	29528
80°	2281	11579	2281
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.5	3.9
10°-20°	1709.5	11.2
20°-30°	2572.4	16.8
30°-40°	3043.1	19.9
40°-50°	3036.9	19.8
50°-60°	2518.3	16.5
60°-70°	1471.3	9.6
70°-80°	350.4	2.3
80°-90°	2.5	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°	4881.5	31.9
0°-40°	7924.6	51.8
0°-60°	13479.8	88.1
0°-90°	15304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6339	6339	6339	6339	6339	
5°	6339	6306	6330	6311	6292	601
15°	6058	6054	6068	6040	6049	1713
25°	5675	5610	5582	5563	5525	2594
35°	4927	4880	4880	4852	4824	3063
45°	3927	3932	3964	3922	3917	3038
55°	2758	2856	2926	2847	2693	2449
65°	1300	1463	1720	1458	1290	1292
75°	187	271	421	266	178	253
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°	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7
2.5°	6367.0	6329.5	6357.5	6301.6	6338.7	6301.6	6310.8	6292.0	6329.5	6320.0	6310.8
5°	6338.7	6348.3	6329.5	6348.3	6320.0	6292.0	6320.0	6301.6	6245.4	6329.5	6310.8
7.5°	6273.3	6282.9	6264.1	6292.0	6273.3	6235.8	6310.8	6254.6	6245.4	6254.6	6292.0
10°	6217.4	6235.8	6226.6	6217.4	6226.6	6226.6	6207.9	6179.9	6207.9	6226.6	6217.4
12.5°	6161.2	6189.1	6170.4	6152.0	6133.3	6142.5	6161.2	6114.5	6114.5	6133.3	6189.1
15°	6058.3	6077.0	6086.2	6049.1	6049.1	6058.3	6095.8	6020.8	6058.3	6067.8	6077.0
17.5°	5974.1	5983.7	5983.7	5955.4	5974.1	5946.2	5974.1	5936.6	5974.1	5964.9	5983.7
20°	5871.2	5890.0	5871.2	5871.2	5852.8	5862.0	5862.0	5862.0	5834.1	5824.5	5843.3
22.5°	5759.1	5759.1	5740.4	5759.1	5740.4	5731.2	5777.8	5703.2	5777.8	5712.4	5768.7
25°	5674.9	5628.3	5600.3	5590.8	5628.3	5590.8	5609.5	5581.6	5600.3	5581.6	5590.8
27.5°	5478.7	5450.7	5441.2	5450.7	5450.7	5441.2	5478.7	5375.8	5441.2	5432.0	5432.0
30°	5272.8	5272.8	5291.6	5272.8	5291.6	5263.6	5301.1	5217.0	5272.8	5263.6	5272.8
32.5°	5086.1	5095.3	5095.3	5114.1	5086.1	5095.3	5095.3	5067.4	5086.1	5095.3	5076.6
35°	4927.0	4880.3	4880.3	4880.3	4880.3	4880.3	4899.0	4871.1	4899.0	4880.3	4880.3
37.5°	4702.8	4656.1	4656.1	4646.5	4693.2	4665.3	4712.0	4674.5	4674.5	4693.2	4693.2
40°	4431.5	4450.3	4422.3	4459.5	4450.3	4412.8	4496.9	4441.1	4478.2	4431.5	4469.0
42.5°	4188.6	4197.8	4188.6	4179.0	4216.5	4207.3	4244.4	4207.3	4197.8	4197.8	4263.2
45°	3926.9	3926.9	3926.9	3954.8	3926.9	3936.1	3973.6	3954.8	3973.6	3964.0	4029.4
47.5°	3711.5	3664.8	3655.6	3711.5	3702.3	3711.5	3711.5	3721.0	3730.2	3711.5	3739.8
50°	3403.1	3384.4	3384.4	3393.9	3403.1	3421.9	3449.8	3468.5	3449.8	3478.1	3487.3
52.5°	3103.9	3085.2	3094.7	3131.9	3150.6	3141.4	3188.1	3197.3	3188.1	3206.8	3206.8
55°	2758.1	2739.3	2767.3	2814.3	2842.2	2870.2	2916.9	2879.7	2916.9	2926.4	2935.6
57.5°	2402.7	2393.5	2402.7	2449.3	2477.6	2543.1	2617.7	2617.7	2655.2	2627.2	2655.2
60°	2010.1	2010.1	2047.6	2075.5	2150.5	2197.2	2271.8	2309.3	2346.8	2383.9	2365.5
62.5°	1636.0	1645.5	1673.4	1738.9	1785.6	1851.3	1935.1	1972.6	2038.1	2075.5	2056.8
65°	1299.6	1299.6	1318.4	1374.3	1420.9	1505.1	1580.1	1664.3	1701.7	1720.1	1729.7
67.5°	972.2	963.0	1000.5	1037.9	1084.6	1168.8	1253.0	1299.6	1365.1	1383.8	1374.3
70°	654.6	663.8	682.5	720.0	775.9	841.3	935.0	972.2	1009.7	1028.4	1009.7
72.5°	411.3	411.3	420.8	458.0	495.5	542.1	607.6	645.0	691.7	701.3	682.5
75°	187.1	187.1	205.8	224.2	252.5	290.0	336.7	364.6	392.5	420.8	420.8
77.5°	37.5	46.7	56.2	56.2	74.6	102.9	130.8	158.8	187.1	187.1	187.1
80°	9.2	9.2	9.2	9.2	9.2	9.2	18.7	27.9	46.7	46.7	46.7
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°	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7	6338.7
2.5°	6338.7	6395.0	6338.7	6310.8	6348.3	6338.7	6310.8	6320.0
5°	6310.8	6329.5	6348.3	6273.3	6320.0	6329.5	6310.8	6292.0
7.5°	6282.9	6292.0	6282.9	6264.1	6264.1	6264.1	6282.9	6282.9
10°	6273.3	6245.4	6198.7	6170.4	6198.7	6198.7	6189.1	6264.1
12.5°	6152.0	6189.1	6161.2	6105.0	6161.2	6152.0	6152.0	6170.4
15°	6058.3	6058.3	6077.0	6002.4	6039.5	6030.3	6030.3	6049.1
17.5°	5964.9	5964.9	5955.4	5936.6	5927.4	5955.4	5927.4	5974.1
20°	5834.1	5852.8	5908.7	5815.3	5843.3	5815.3	5815.3	5759.1
22.5°	5674.9	5768.7	5721.6	5712.4	5703.2	5712.4	5731.2	5665.7
25°	5572.0	5572.0	5590.8	5534.9	5534.9	5553.6	5544.1	5525.3
27.5°	5432.0	5422.4	5413.2	5394.5	5441.2	5404.0	5404.0	5404.0
30°	5235.7	5263.6	5254.5	5207.4	5263.6	5244.9	5217.0	5160.7
32.5°	5067.4	5104.9	5048.6	5039.4	5029.9	5039.4	5048.6	5001.9
35°	4861.6	4871.1	4871.1	4833.6	4842.8	4833.6	4814.9	4824.1
37.5°	4674.5	4665.3	4618.6	4599.9	4609.1	4609.1	4618.6	4599.9
40°	4412.8	4441.1	4441.1	4375.6	4394.0	4375.6	4375.6	4366.1
42.5°	4197.8	4207.3	4179.0	4151.1	4151.1	4141.9	4123.1	4141.9
45°	3973.6	3964.0	3936.1	3908.1	3908.1	3898.6	3879.8	3917.3
47.5°	3721.0	3702.3	3693.1	3655.6	3655.6	3599.4	3608.9	3646.1
50°	3468.5	3449.8	3412.7	3393.9	3365.6	3337.7	3328.5	3328.5
52.5°	3169.4	3169.4	3131.9	3094.7	3085.2	3066.5	3047.7	3057.3
55°	2907.7	2907.7	2879.7	2814.3	2776.8	2730.1	2701.8	2692.7
57.5°	2608.5	2589.7	2533.5	2458.9	2421.4	2383.9	2356.0	2356.0
60°	2309.3	2262.6	2206.4	2141.0	2075.5	2010.1	1991.4	1982.2
62.5°	1982.2	1935.1	1832.6	1757.6	1710.9	1673.4	1636.0	1664.3
65°	1654.7	1589.3	1495.9	1420.9	1374.3	1318.4	1290.1	1290.1
67.5°	1308.8	1243.4	1150.1	1075.1	1028.4	990.9	953.8	953.8
70°	963.0	916.3	832.1	766.7	729.2	673.0	663.8	663.8
72.5°	654.6	598.4	532.9	486.3	448.8	411.3	392.5	383.4
75°	364.6	327.1	280.4	252.5	215.0	196.3	177.5	177.5
77.5°	149.6	121.7	93.4	74.6	56.2	46.7	37.5	46.7
80°	27.9	18.7	9.2	9.2	9.2	9.2	9.2	9.2
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)