

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 EX6C1309040 6LBCSSQMMS**

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: LX6C130D010 EX6C1309040 6LBCSSQMMS
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

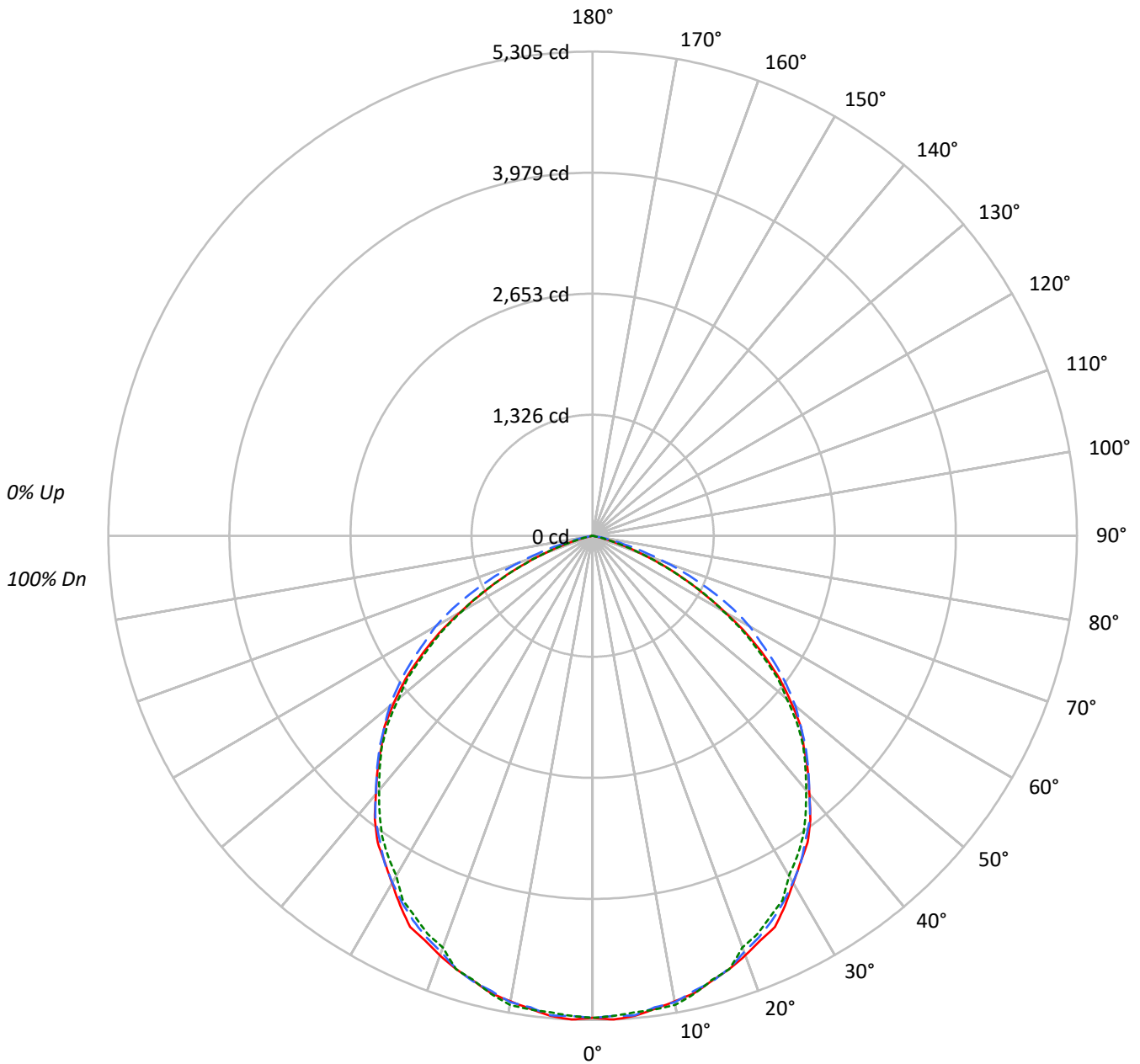
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12752.0 lumens
Efficiency: N/A
Efficacy: 88.4 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									
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	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°	227407	227407	227407
5°	228276	227947	226594
10°	226495	226832	228196
15°	225012	225369	224673
20°	224155	222373	219876
25°	224640	220944	218721
30°	218434	218051	213790
35°	215785	213740	211275
40°	207538	207538	204474
45°	199232	201119	198751
50°	189936	194123	185777
55°	172515	183039	168416
60°	144228	171052	142221
65°	110324	146022	109519
70°	68658	107872	69628
75°	25935	58340	24604
80°	1909	9645	1909
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.5	3.9
10°-20°	1424.5	11.2
20°-30°	2143.5	16.8
30°-40°	2535.7	19.9
40°-50°	2530.5	19.8
50°-60°	2098.4	16.5
60°-70°	1226.0	9.6
70°-80°	291.9	2.3
80°-90°	2.1	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°	4067.5	31.9
0°-40°	6603.1	51.8
0°-60°	11232.0	88.1
0°-90°	12752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5282	5282	5282	5282	5282	
5°	5282	5254	5274	5258	5243	500
15°	5048	5044	5056	5033	5040	1427
25°	4729	4674	4651	4635	4604	2161
35°	4105	4066	4066	4043	4020	2552
45°	3272	3276	3303	3268	3264	2531
55°	2298	2380	2438	2372	2244	2040
65°	1083	1219	1433	1215	1075	1076
75°	156	226	351	222	148	211
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°	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7
2.5°	5305.3	5274.1	5297.3	5250.8	5281.7	5250.8	5258.4	5242.8	5274.1	5266.1	5258.4
5°	5281.7	5289.7	5274.1	5289.7	5266.1	5242.8	5266.1	5250.8	5203.9	5274.1	5258.4
7.5°	5227.2	5235.2	5219.5	5242.8	5227.2	5196.0	5258.4	5211.6	5203.9	5211.6	5242.8
10°	5180.6	5196.0	5188.3	5180.6	5188.3	5188.3	5172.7	5149.4	5172.7	5188.3	5180.6
12.5°	5133.8	5157.1	5141.5	5126.1	5110.5	5118.2	5133.8	5094.9	5094.9	5110.5	5157.1
15°	5048.0	5063.7	5071.3	5040.4	5040.4	5048.0	5079.3	5016.8	5048.0	5056.0	5063.7
17.5°	4977.9	4985.9	4985.9	4962.3	4977.9	4954.6	4977.9	4946.7	4977.9	4970.3	4985.9
20°	4892.2	4907.8	4892.2	4892.2	4876.8	4884.5	4884.5	4884.5	4861.2	4853.3	4868.9
22.5°	4798.8	4798.8	4783.1	4798.8	4783.1	4775.5	4814.4	4752.2	4814.4	4759.9	4806.7
25°	4728.6	4689.7	4666.4	4658.5	4689.7	4658.5	4674.1	4650.8	4666.4	4650.8	4658.5
27.5°	4565.1	4541.8	4533.8	4541.8	4541.8	4533.8	4565.1	4479.3	4533.8	4526.2	4526.2
30°	4393.6	4393.6	4409.2	4393.6	4409.2	4385.9	4417.1	4347.0	4393.6	4385.9	4393.6
32.5°	4238.0	4245.6	4245.6	4261.3	4238.0	4245.6	4245.6	4222.4	4238.0	4245.6	4230.0
35°	4105.4	4066.5	4066.5	4066.5	4066.5	4066.5	4082.1	4058.8	4082.1	4066.5	4066.5
37.5°	3918.6	3879.7	3879.7	3871.7	3910.6	3887.3	3926.2	3895.0	3895.0	3910.6	3910.6
40°	3692.5	3708.2	3684.9	3715.8	3708.2	3676.9	3747.1	3700.5	3731.4	3692.5	3723.8
42.5°	3490.1	3497.8	3490.1	3482.2	3513.4	3505.7	3536.7	3505.7	3497.8	3497.8	3552.3
45°	3272.0	3272.0	3272.0	3295.3	3272.0	3279.7	3310.9	3295.3	3310.9	3303.0	3357.5
47.5°	3092.6	3053.7	3046.0	3092.6	3084.9	3092.6	3092.6	3100.5	3108.2	3092.6	3116.2
50°	2835.6	2820.0	2820.0	2828.0	2835.6	2851.3	2874.5	2890.2	2874.5	2898.1	2905.8
52.5°	2586.3	2570.7	2578.7	2609.6	2625.2	2617.6	2656.5	2664.1	2656.5	2672.1	2672.1
55°	2298.2	2282.5	2305.8	2345.0	2368.3	2391.6	2430.5	2399.5	2430.5	2438.4	2446.1
57.5°	2002.0	1994.3	2002.0	2040.9	2064.5	2119.0	2181.2	2181.2	2212.4	2189.1	2212.4
60°	1674.9	1674.9	1706.2	1729.4	1791.9	1830.8	1893.0	1924.2	1955.5	1986.4	1971.1
62.5°	1363.2	1371.1	1394.4	1448.9	1487.8	1542.6	1612.5	1643.7	1698.2	1729.4	1713.8
65°	1082.9	1082.9	1098.5	1145.1	1184.0	1254.1	1316.6	1386.7	1418.0	1433.3	1441.2
67.5°	810.1	802.4	833.6	864.9	903.8	973.9	1044.0	1082.9	1137.4	1153.1	1145.1
70°	545.4	553.1	568.7	600.0	646.5	701.0	779.1	810.1	841.3	856.9	841.3
72.5°	342.7	342.7	350.7	381.6	412.8	451.7	506.2	537.5	576.4	584.3	568.7
75°	155.9	155.9	171.5	186.8	210.4	241.6	280.5	303.8	327.1	350.7	350.7
77.5°	31.2	38.9	46.9	46.9	62.2	85.7	109.0	132.3	155.9	155.9	155.9
80°	7.7	7.7	7.7	7.7	7.7	7.7	15.6	23.3	38.9	38.9	38.9
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°	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7	5281.7
2.5°	5281.7	5328.6	5281.7	5258.4	5289.7	5281.7	5258.4	5266.1
5°	5258.4	5274.1	5289.7	5227.2	5266.1	5274.1	5258.4	5242.8
7.5°	5235.2	5242.8	5235.2	5219.5	5219.5	5219.5	5235.2	5235.2
10°	5227.2	5203.9	5165.0	5141.5	5165.0	5165.0	5157.1	5219.5
12.5°	5126.1	5157.1	5133.8	5086.9	5133.8	5126.1	5126.1	5141.5
15°	5048.0	5048.0	5063.7	5001.5	5032.4	5024.8	5024.8	5040.4
17.5°	4970.3	4970.3	4962.3	4946.7	4939.0	4962.3	4939.0	4977.9
20°	4861.2	4876.8	4923.4	4845.6	4868.9	4845.6	4845.6	4798.8
22.5°	4728.6	4806.7	4767.5	4759.9	4752.2	4759.9	4775.5	4721.0
25°	4642.9	4642.9	4658.5	4611.9	4611.9	4627.5	4619.6	4604.0
27.5°	4526.2	4518.2	4510.6	4494.9	4533.8	4502.9	4502.9	4502.9
30°	4362.6	4385.9	4378.3	4339.1	4385.9	4370.3	4347.0	4300.2
32.5°	4222.4	4253.6	4206.8	4199.1	4191.1	4199.1	4206.8	4167.9
35°	4050.9	4058.8	4058.8	4027.6	4035.3	4027.6	4012.0	4019.6
37.5°	3895.0	3887.3	3848.4	3832.8	3840.5	3840.5	3848.4	3832.8
40°	3676.9	3700.5	3700.5	3646.0	3661.3	3646.0	3646.0	3638.0
42.5°	3497.8	3505.7	3482.2	3458.9	3458.9	3451.2	3435.6	3451.2
45°	3310.9	3303.0	3279.7	3256.4	3256.4	3248.5	3232.9	3264.1
47.5°	3100.5	3084.9	3077.3	3046.0	3046.0	2999.2	3007.1	3038.1
50°	2890.2	2874.5	2843.6	2828.0	2804.4	2781.1	2773.5	2773.5
52.5°	2640.9	2640.9	2609.6	2578.7	2570.7	2555.1	2539.5	2547.4
55°	2422.8	2422.8	2399.5	2345.0	2313.8	2274.9	2251.3	2243.6
57.5°	2173.5	2157.9	2111.0	2048.9	2017.6	1986.4	1963.1	1963.1
60°	1924.2	1885.3	1838.5	1784.0	1729.4	1674.9	1659.3	1651.6
62.5°	1651.6	1612.5	1527.0	1464.5	1425.6	1394.4	1363.2	1386.7
65°	1378.8	1324.3	1246.5	1184.0	1145.1	1098.5	1075.0	1075.0
67.5°	1090.6	1036.1	958.3	895.8	856.9	825.7	794.7	794.7
70°	802.4	763.5	693.4	638.9	607.6	560.8	553.1	553.1
72.5°	545.4	498.6	444.1	405.2	373.9	342.7	327.1	319.4
75°	303.8	272.6	233.7	210.4	179.2	163.5	147.9	147.9
77.5°	124.6	101.4	77.8	62.2	46.9	38.9	31.2	38.9
80°	23.3	15.6	7.7	7.7	7.7	7.7	7.7	7.7
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)