

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

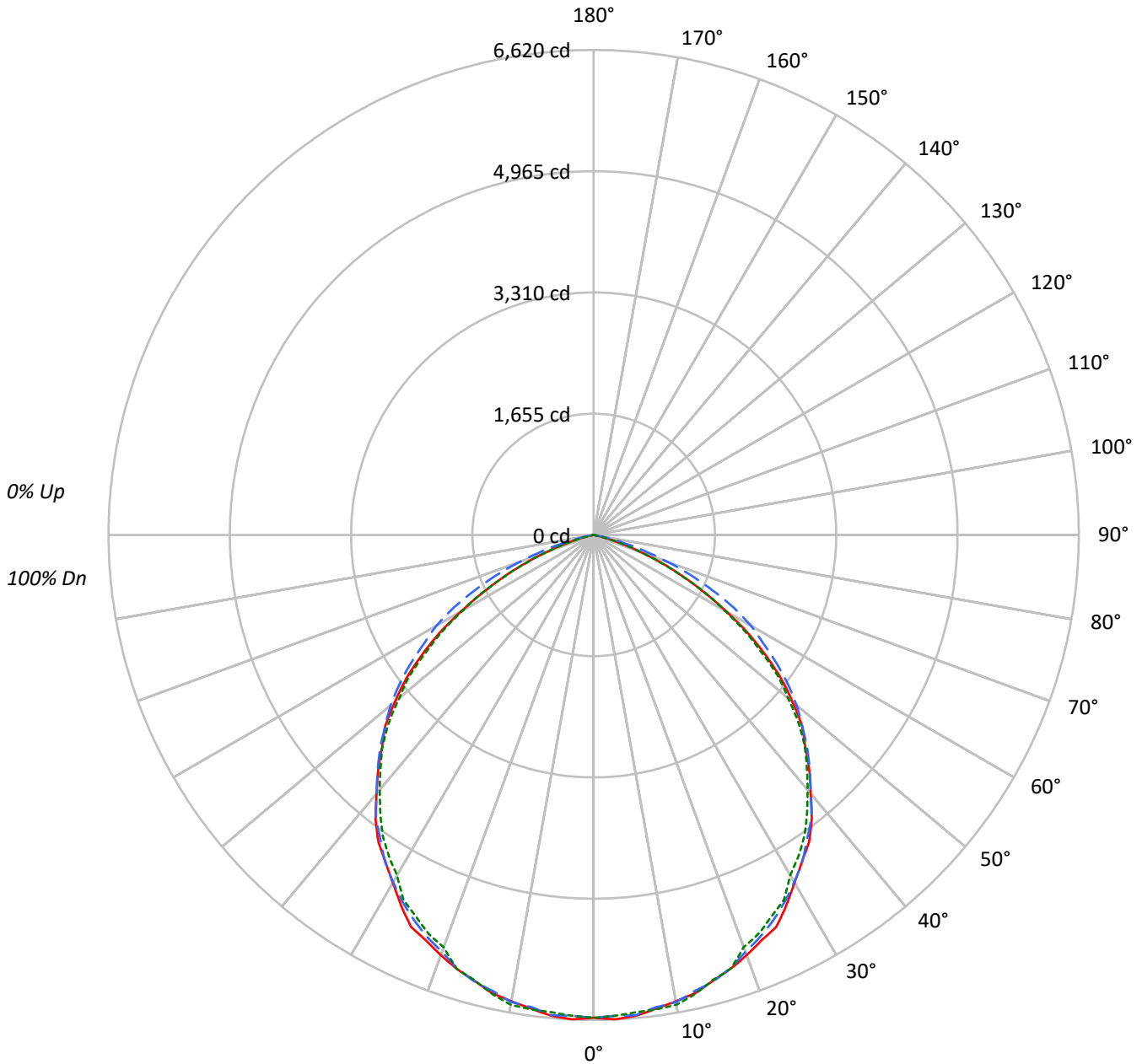
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15911.0 lumens
Efficiency: N/A
Efficacy: 110.3 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

TEST NUMBER: P#
CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBCSSQMW

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			87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75			75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64			64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56			56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49			49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43			43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38			38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34			34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31			31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28			28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	283741	283741	283741
5°	284825	284414	282729
10°	282605	283025	284730
15°	280757	281198	280329
20°	279683	277456	274341
25°	280289	275681	272902
30°	272545	272068	266748
35°	269240	266691	263616
40°	258954	258954	255132
45°	248589	250939	247986
50°	236992	242210	231794
55°	215250	228386	210138
60°	179955	213427	177458
65°	137658	182199	136649
70°	85678	134598	86874
75°	32356	72780	30709
80°	2380	12025	2380
85°	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.3	3.9
10°-20°	1777.3	11.2
20°-30°	2674.5	16.8
30°-40°	3163.9	19.9
40°-50°	3157.4	19.8
50°-60°	2618.2	16.5
60°-70°	1529.7	9.6
70°-80°	364.3	2.3
80°-90°	2.6	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°	5075.1	31.9
0°-40°	8238.9	51.8
0°-60°	14014.5	88.1
0°-90°	15911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6590	6590	6590	6590	6590	
5°	6590	6556	6581	6561	6542	624
15°	6299	6294	6308	6279	6289	1780
25°	5900	5832	5803	5783	5744	2697
35°	5122	5074	5074	5045	5015	3185
45°	4083	4087	4121	4078	4073	3158
55°	2868	2970	3042	2960	2799	2546
65°	1351	1521	1788	1516	1341	1343
75°	194	282	438	277	185	263
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1
2.5°	6619.6	6580.6	6609.6	6551.5	6590.1	6551.5	6561.1	6541.6	6580.6	6570.7	6561.1
5°	6590.1	6600.1	6580.6	6600.1	6570.7	6541.6	6570.7	6551.5	6493.1	6580.6	6561.1
7.5°	6522.1	6532.0	6512.6	6541.6	6522.1	6483.1	6561.1	6502.6	6493.1	6502.6	6541.6
10°	6464.0	6483.1	6473.6	6464.0	6473.6	6473.6	6454.1	6425.1	6454.1	6473.6	6464.0
12.5°	6405.6	6434.6	6415.1	6396.0	6376.5	6386.1	6405.6	6357.0	6357.0	6376.5	6434.6
15°	6298.6	6318.1	6327.6	6289.0	6289.0	6298.6	6337.5	6259.6	6298.6	6308.5	6318.1
17.5°	6211.1	6221.0	6221.0	6191.6	6211.1	6182.0	6211.1	6172.1	6211.1	6201.5	6221.0
20°	6104.1	6123.6	6104.1	6104.1	6085.0	6094.5	6094.5	6094.5	6065.5	6055.5	6075.0
22.5°	5987.5	5987.5	5968.0	5987.5	5968.0	5958.5	6007.0	5929.4	6007.0	5939.0	5997.5
25°	5900.0	5851.5	5822.4	5812.5	5851.5	5812.5	5832.0	5803.0	5822.4	5803.0	5812.5
27.5°	5696.0	5666.9	5657.0	5666.9	5666.9	5657.0	5696.0	5589.0	5657.0	5647.4	5647.4
30°	5482.0	5482.0	5501.5	5482.0	5501.5	5472.4	5511.4	5423.9	5482.0	5472.4	5482.0
32.5°	5287.8	5297.4	5297.4	5316.9	5287.8	5297.4	5297.4	5268.4	5287.8	5297.4	5277.9
35°	5122.4	5073.9	5073.9	5073.9	5073.9	5073.9	5093.3	5064.3	5093.3	5073.9	5073.9
37.5°	4889.3	4840.8	4840.8	4830.8	4879.4	4850.3	4898.9	4859.9	4859.9	4879.4	4879.4
40°	4607.3	4626.8	4597.7	4636.3	4626.8	4587.8	4675.3	4617.2	4655.8	4607.3	4646.3
42.5°	4354.7	4364.3	4354.7	4344.8	4383.7	4374.2	4412.8	4374.2	4364.3	4364.3	4432.3
45°	4082.6	4082.6	4082.6	4111.7	4082.6	4092.2	4131.2	4111.7	4131.2	4121.2	4189.2
47.5°	3858.7	3810.2	3800.6	3858.7	3849.1	3858.7	3858.7	3868.6	3878.2	3858.7	3888.1
50°	3538.1	3518.6	3518.6	3528.5	3538.1	3557.6	3586.6	3606.1	3586.6	3616.0	3625.6
52.5°	3227.0	3207.6	3217.5	3256.1	3275.6	3266.0	3314.6	3324.1	3314.6	3334.0	3334.0
55°	2867.5	2848.0	2877.0	2925.9	2955.0	2984.0	3032.6	2993.9	3032.6	3042.5	3052.0
57.5°	2498.0	2488.4	2498.0	2546.5	2575.9	2643.9	2721.5	2721.5	2760.5	2731.4	2760.5
60°	2089.8	2089.8	2128.8	2157.9	2235.8	2284.3	2361.9	2400.9	2439.9	2478.5	2459.4
62.5°	1700.8	1710.8	1739.8	1807.8	1856.4	1924.8	2011.9	2050.9	2118.9	2157.9	2138.4
65°	1351.2	1351.2	1370.7	1428.8	1477.3	1564.8	1642.8	1730.3	1769.2	1788.4	1798.3
67.5°	1010.7	1001.2	1040.1	1079.1	1127.6	1215.2	1302.7	1351.2	1419.2	1438.7	1428.8
70°	680.6	690.1	709.6	748.6	806.7	874.7	972.1	1010.7	1049.7	1069.2	1049.7
72.5°	427.6	427.6	437.5	476.1	515.1	563.6	631.7	670.6	719.2	729.1	709.6
75°	194.5	194.5	214.0	233.1	262.5	301.5	350.0	379.1	408.1	437.5	437.5
77.5°	39.0	48.5	58.5	58.5	77.6	107.0	136.0	165.1	194.5	194.5	194.5
80°	9.6	9.6	9.6	9.6	9.6	9.6	19.5	29.0	48.5	48.5	48.5
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



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBCSSQMW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1	6590.1
2.5°	6590.1	6648.6	6590.1	6561.1	6600.1	6590.1	6561.1	6570.7
5°	6561.1	6580.6	6600.1	6522.1	6570.7	6580.6	6561.1	6541.6
7.5°	6532.0	6541.6	6532.0	6512.6	6512.6	6512.6	6532.0	6532.0
10°	6522.1	6493.1	6444.5	6415.1	6444.5	6444.5	6434.6	6512.6
12.5°	6396.0	6434.6	6405.6	6347.1	6405.6	6396.0	6396.0	6415.1
15°	6298.6	6298.6	6318.1	6240.5	6279.1	6269.5	6269.5	6289.0
17.5°	6201.5	6201.5	6191.6	6172.1	6162.5	6191.6	6162.5	6211.1
20°	6065.5	6085.0	6143.1	6046.0	6075.0	6046.0	6046.0	5987.5
22.5°	5900.0	5997.5	5948.6	5939.0	5929.4	5939.0	5958.5	5890.5
25°	5793.0	5793.0	5812.5	5754.4	5754.4	5773.9	5764.0	5744.5
27.5°	5647.4	5637.5	5627.9	5608.5	5657.0	5618.4	5618.4	5618.4
30°	5443.4	5472.4	5462.9	5414.0	5472.4	5452.9	5423.9	5365.4
32.5°	5268.4	5307.3	5248.9	5239.3	5229.4	5239.3	5248.9	5200.3
35°	5054.4	5064.3	5064.3	5025.3	5034.9	5025.3	5005.8	5015.4
37.5°	4859.9	4850.3	4801.8	4782.3	4791.9	4791.9	4801.8	4782.3
40°	4587.8	4617.2	4617.2	4549.2	4568.3	4549.2	4549.2	4539.3
42.5°	4364.3	4374.2	4344.8	4315.7	4315.7	4306.2	4286.7	4306.2
45°	4131.2	4121.2	4092.2	4063.1	4063.1	4053.2	4033.7	4072.7
47.5°	3868.6	3849.1	3839.6	3800.6	3800.6	3742.2	3752.1	3790.7
50°	3606.1	3586.6	3548.0	3528.5	3499.1	3470.1	3460.5	3460.5
52.5°	3295.1	3295.1	3256.1	3217.5	3207.6	3188.1	3168.6	3178.5
55°	3023.0	3023.0	2993.9	2925.9	2887.0	2838.4	2809.0	2799.4
57.5°	2711.9	2692.5	2634.0	2556.4	2517.4	2478.5	2449.4	2449.4
60°	2400.9	2352.4	2293.9	2225.9	2157.9	2089.8	2070.4	2060.8
62.5°	2060.8	2011.9	1905.3	1827.3	1778.8	1739.8	1700.8	1730.3
65°	1720.3	1652.3	1555.2	1477.3	1428.8	1370.7	1341.3	1341.3
67.5°	1360.8	1292.7	1195.7	1117.7	1069.2	1030.2	991.6	991.6
70°	1001.2	952.6	865.1	797.1	758.1	699.7	690.1	690.1
72.5°	680.6	622.1	554.1	505.5	466.6	427.6	408.1	398.6
75°	379.1	340.1	291.6	262.5	223.5	204.1	184.6	184.6
77.5°	155.5	126.5	97.1	77.6	58.5	48.5	39.0	48.5
80°	29.0	19.5	9.6	9.6	9.6	9.6	9.6	9.6
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)