

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 EX6C1309035 6LBCSSQMW**

Issue Date: 5/25/2022

**Test Information**

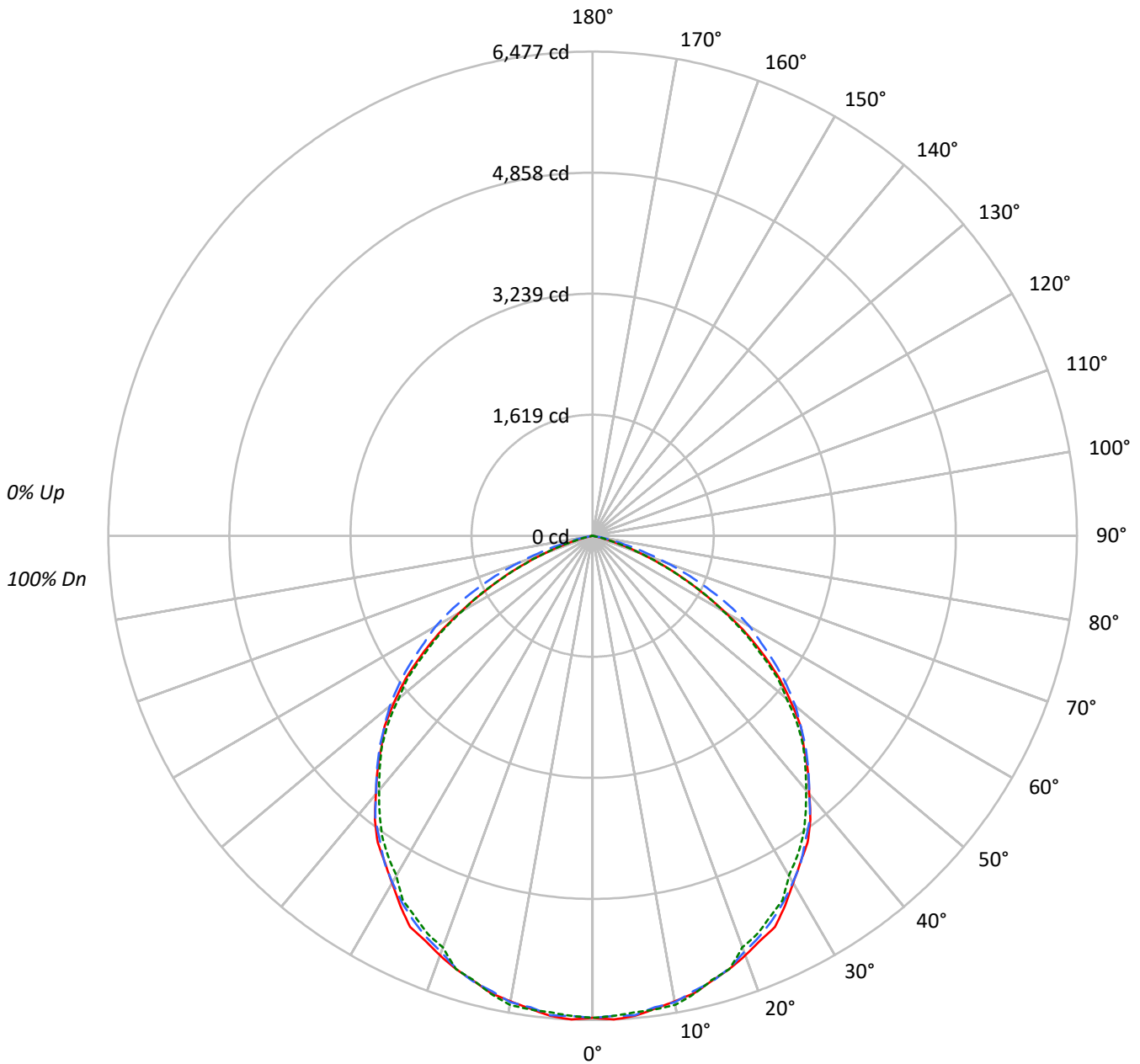
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/25/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309035 6LBCSSQMW  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBCSSQ TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15568.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 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<sub>in</sub>): 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°	277627	277627	277627
5°	278688	278281	276635
10°	276515	276922	278592
15°	274704	275136	274285
20°	273653	271477	268425
25°	274246	269738	267021
30°	266669	266201	261001
35°	263437	260940	257934
40°	253373	253373	249630
45°	243231	245532	242640
50°	231881	236992	226797
55°	210611	223462	205611
60°	176080	208820	173635
65°	134693	178267	133705
70°	83828	131690	84998
75°	31657	71216	30044
80°	2331	11778	2331
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	609.8	3.9
10°-20°	1739.0	11.2
20°-30°	2616.8	16.8
30°-40°	3095.6	19.9
40°-50°	3089.3	19.8
50°-60°	2561.7	16.5
60°-70°	1496.7	9.6
70°-80°	356.4	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°	4965.7	31.9
0°-40°	8061.3	51.8
0°-60°	13712.3	88.1
0°-90°	15568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15568.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6448	6448	6448	6448	6448	
5°	6448	6415	6439	6420	6401	611
15°	6163	6158	6172	6144	6153	1742
25°	5773	5706	5678	5659	5621	2639
35°	5012	4964	4964	4936	4907	3116
45°	3995	3999	4032	3990	3985	3090
55°	2806	2906	2977	2896	2739	2491
65°	1322	1488	1750	1484	1312	1314
75°	190	276	428	271	181	258
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°	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1
2.5°	6476.9	6438.7	6467.1	6410.3	6448.1	6410.3	6419.7	6400.6	6438.7	6429.0	6419.7
5°	6448.1	6457.8	6438.7	6457.8	6429.0	6400.6	6429.0	6410.3	6353.1	6438.7	6419.7
7.5°	6381.5	6391.2	6372.2	6400.6	6381.5	6343.4	6419.7	6362.5	6353.1	6362.5	6400.6
10°	6324.7	6343.4	6334.0	6324.7	6334.0	6334.0	6315.0	6286.5	6315.0	6334.0	6324.7
12.5°	6267.5	6295.9	6276.8	6258.1	6239.1	6248.4	6267.5	6220.0	6220.0	6239.1	6295.9
15°	6162.8	6181.9	6191.2	6153.4	6153.4	6162.8	6200.9	6124.7	6162.8	6172.5	6181.9
17.5°	6077.2	6086.9	6086.9	6058.1	6077.2	6048.8	6077.2	6039.0	6077.2	6067.8	6086.9
20°	5972.5	5991.6	5972.5	5972.5	5953.8	5963.1	5963.1	5963.1	5934.7	5925.0	5944.1
22.5°	5858.4	5858.4	5839.4	5858.4	5839.4	5830.0	5877.5	5801.6	5877.5	5811.0	5868.2
25°	5772.8	5725.3	5696.9	5687.2	5725.3	5687.2	5706.3	5677.9	5696.9	5677.9	5687.2
27.5°	5573.2	5544.8	5535.0	5544.8	5544.8	5535.0	5573.2	5468.5	5535.0	5525.7	5525.7
30°	5363.8	5363.8	5382.9	5363.8	5382.9	5354.4	5392.6	5307.0	5363.8	5354.4	5363.8
32.5°	5173.9	5183.2	5183.2	5202.3	5173.9	5183.2	5183.2	5154.8	5173.9	5183.2	5164.1
35°	5012.0	4964.5	4964.5	4964.5	4964.5	4964.5	4983.5	4955.1	4983.5	4964.5	4964.5
37.5°	4783.9	4736.4	4736.4	4726.7	4774.2	4745.8	4793.2	4755.1	4755.1	4774.2	4774.2
40°	4508.0	4527.0	4498.6	4536.4	4527.0	4488.9	4574.5	4517.7	4555.5	4508.0	4546.1
42.5°	4260.8	4270.2	4260.8	4251.1	4289.2	4279.9	4317.7	4279.9	4270.2	4270.2	4336.7
45°	3994.6	3994.6	3994.6	4023.0	3994.6	4004.0	4042.1	4023.0	4042.1	4032.4	4098.9
47.5°	3775.5	3728.0	3718.7	3775.5	3766.2	3775.5	3775.5	3785.2	3794.6	3775.5	3804.3
50°	3461.8	3442.8	3442.8	3452.5	3461.8	3480.9	3509.3	3528.4	3509.3	3538.1	3547.4
52.5°	3157.5	3138.4	3148.1	3185.9	3205.0	3195.6	3243.1	3252.5	3243.1	3262.2	3262.2
55°	2805.7	2786.6	2815.0	2862.9	2891.3	2919.7	2967.2	2929.4	2967.2	2976.9	2986.2
57.5°	2444.1	2434.8	2444.1	2491.6	2520.4	2586.9	2662.8	2662.8	2701.0	2672.5	2701.0
60°	2044.8	2044.8	2082.9	2111.3	2187.6	2235.1	2311.0	2349.1	2387.3	2425.0	2406.3
62.5°	1664.2	1673.9	1702.3	1768.9	1816.4	1883.3	1968.5	2006.7	2073.2	2111.3	2092.3
65°	1322.1	1322.1	1341.1	1398.0	1445.5	1531.1	1607.3	1693.0	1731.1	1749.8	1759.5
67.5°	988.9	979.6	1017.7	1055.9	1103.3	1189.0	1274.6	1322.1	1388.6	1407.7	1398.0
70°	665.9	675.2	694.3	732.4	789.3	855.8	951.2	988.9	1027.1	1046.1	1027.1
72.5°	418.4	418.4	428.1	465.9	504.0	551.5	618.0	656.2	703.7	713.4	694.3
75°	190.3	190.3	209.4	228.1	256.9	295.0	342.5	370.9	399.3	428.1	428.1
77.5°	38.1	47.5	57.2	57.2	75.9	104.7	133.1	161.5	190.3	190.3	190.3
80°	9.4	9.4	9.4	9.4	9.4	9.4	19.1	28.4	47.5	47.5	47.5
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°	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1	6448.1
2.5°	6448.1	6505.3	6448.1	6419.7	6457.8	6448.1	6419.7	6429.0
5°	6419.7	6438.7	6457.8	6381.5	6429.0	6438.7	6419.7	6400.6
7.5°	6391.2	6400.6	6391.2	6372.2	6372.2	6372.2	6391.2	6391.2
10°	6381.5	6353.1	6305.6	6276.8	6305.6	6305.6	6295.9	6372.2
12.5°	6258.1	6295.9	6267.5	6210.3	6267.5	6258.1	6258.1	6276.8
15°	6162.8	6162.8	6181.9	6106.0	6143.7	6134.4	6134.4	6153.4
17.5°	6067.8	6067.8	6058.1	6039.0	6029.7	6058.1	6029.7	6077.2
20°	5934.7	5953.8	6010.6	5915.6	5944.1	5915.6	5915.6	5858.4
22.5°	5772.8	5868.2	5820.3	5811.0	5801.6	5811.0	5830.0	5763.5
25°	5668.1	5668.1	5687.2	5630.4	5630.4	5649.4	5639.7	5620.7
27.5°	5525.7	5516.0	5506.6	5487.6	5535.0	5497.3	5497.3	5497.3
30°	5326.0	5354.4	5345.1	5297.2	5354.4	5335.4	5307.0	5249.8
32.5°	5154.8	5192.9	5135.7	5126.4	5116.7	5126.4	5135.7	5088.2
35°	4945.4	4955.1	4955.1	4917.0	4926.4	4917.0	4897.9	4907.3
37.5°	4755.1	4745.8	4698.3	4679.2	4688.6	4688.6	4698.3	4679.2
40°	4488.9	4517.7	4517.7	4451.1	4469.8	4451.1	4451.1	4441.4
42.5°	4270.2	4279.9	4251.1	4222.7	4222.7	4213.3	4194.3	4213.3
45°	4042.1	4032.4	4004.0	3975.5	3975.5	3965.8	3946.8	3984.9
47.5°	3785.2	3766.2	3756.8	3718.7	3718.7	3661.5	3671.2	3709.0
50°	3528.4	3509.3	3471.5	3452.5	3423.7	3395.3	3385.9	3385.9
52.5°	3224.0	3224.0	3185.9	3148.1	3138.4	3119.4	3100.3	3110.0
55°	2957.8	2957.8	2929.4	2862.9	2824.7	2777.2	2748.5	2739.1
57.5°	2653.5	2634.4	2577.2	2501.3	2463.2	2425.0	2396.6	2396.6
60°	2349.1	2301.6	2244.4	2177.9	2111.3	2044.8	2025.7	2016.4
62.5°	2016.4	1968.5	1864.2	1787.9	1740.4	1702.3	1664.2	1693.0
65°	1683.2	1616.7	1521.7	1445.5	1398.0	1341.1	1312.4	1312.4
67.5°	1331.4	1264.9	1169.9	1093.6	1046.1	1008.0	970.2	970.2
70°	979.6	932.1	846.5	779.9	741.8	684.6	675.2	675.2
72.5°	665.9	608.7	542.1	494.6	456.5	418.4	399.3	390.0
75°	370.9	332.8	285.3	256.9	218.7	199.7	180.6	180.6
77.5°	152.2	123.8	95.0	75.9	57.2	47.5	38.1	47.5
80°	28.4	19.1	9.4	9.4	9.4	9.4	9.4	9.4
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)