

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 EX6C1309027 6LBCSSQMMS**

Issue Date: 5/25/2022

**Test Information**

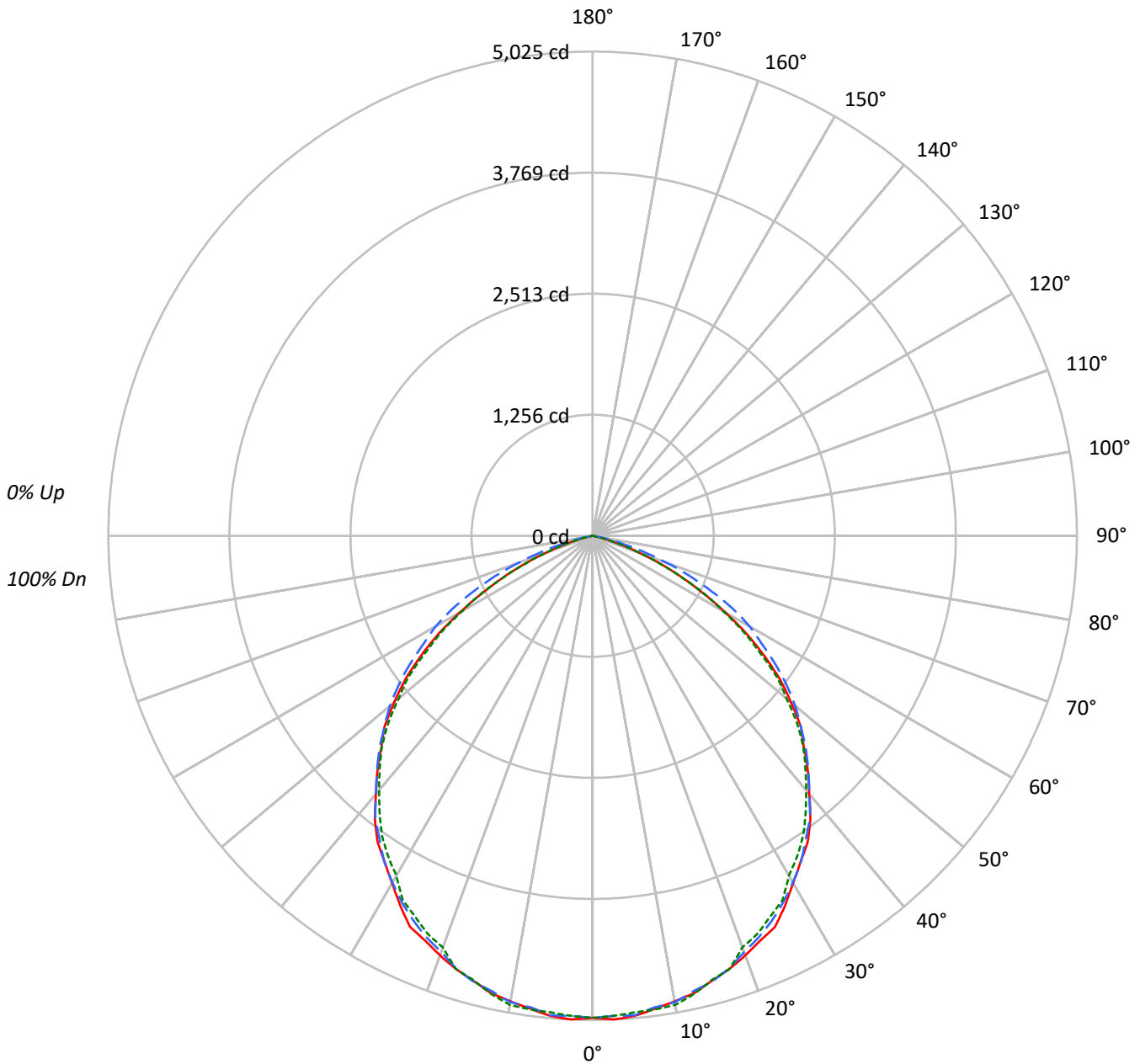
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/25/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309027 6LBCSSQMMS  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBCSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12078.0 lumens  
Efficiency: N/A  
Efficacy: 83.7 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

TEST NUMBER: P#  
CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMMS

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMMS

**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°	215390	215390	215390
5°	216213	215897	214618
10°	214525	214844	216138
15°	213120	213458	212799
20°	212306	210616	208251
25°	212768	209267	207158
30°	206890	206527	202490
35°	204379	202445	200111
40°	196572	196572	193666
45°	188704	190488	188247
50°	179902	183861	175957
55°	163395	173363	159521
60°	136607	162010	134704
65°	104497	138300	103733
70°	65033	102169	65952
75°	24554	55246	23306
80°	1810	9124	1810
85°	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	473.1	3.9
10°-20°	1349.2	11.2
20°-30°	2030.2	16.8
30°-40°	2401.7	19.9
40°-50°	2396.7	19.8
50°-60°	1987.5	16.5
60°-70°	1161.2	9.6
70°-80°	276.5	2.3
80°-90°	2.0	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°	3852.5	31.9
0°-40°	6254.1	51.8
0°-60°	10638.3	88.1
0°-90°	12078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12078.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5003	5003	5003	5003	5003	
5°	5003	4977	4995	4980	4966	474
15°	4781	4778	4789	4767	4774	1352
25°	4479	4427	4405	4390	4361	2047
35°	3888	3852	3852	3830	3807	2418
45°	3099	3103	3128	3095	3092	2397
55°	2177	2254	2310	2247	2125	1933
65°	1026	1155	1358	1151	1018	1020
75°	148	214	332	210	140	200
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMMS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6
2.5°	5024.9	4995.3	5017.3	4973.3	5002.6	4973.3	4980.5	4965.7	4995.3	4987.8	4980.5
5°	5002.6	5010.1	4995.3	5010.1	4987.8	4965.7	4987.8	4973.3	4928.9	4995.3	4980.5
7.5°	4950.9	4958.5	4943.7	4965.7	4950.9	4921.3	4980.5	4936.1	4928.9	4936.1	4965.7
10°	4906.8	4921.3	4914.1	4906.8	4914.1	4914.1	4899.3	4877.2	4899.3	4914.1	4906.8
12.5°	4862.5	4884.5	4869.7	4855.2	4840.4	4847.7	4862.5	4825.6	4825.6	4840.4	4884.5
15°	4781.2	4796.0	4803.3	4774.0	4774.0	4781.2	4810.8	4751.6	4781.2	4788.8	4796.0
17.5°	4714.8	4722.3	4722.3	4700.0	4714.8	4692.8	4714.8	4685.2	4714.8	4707.6	4722.3
20°	4633.6	4648.4	4633.6	4633.6	4619.1	4626.3	4626.3	4626.3	4604.3	4596.7	4611.5
22.5°	4545.1	4545.1	4530.3	4545.1	4530.3	4523.1	4559.9	4501.0	4559.9	4508.3	4552.7
25°	4478.7	4441.8	4419.8	4412.3	4441.8	4412.3	4427.1	4405.0	4419.8	4405.0	4412.3
27.5°	4323.8	4301.7	4294.2	4301.7	4301.7	4294.2	4323.8	4242.6	4294.2	4286.9	4286.9
30°	4161.4	4161.4	4176.1	4161.4	4176.1	4154.1	4183.7	4117.3	4161.4	4154.1	4161.4
32.5°	4014.0	4021.2	4021.2	4036.0	4014.0	4021.2	4021.2	3999.2	4014.0	4021.2	4006.5
35°	3888.4	3851.6	3851.6	3851.6	3851.6	3851.6	3866.3	3844.3	3866.3	3851.6	3851.6
37.5°	3711.4	3674.6	3674.6	3667.1	3703.9	3681.9	3718.7	3689.1	3689.1	3703.9	3703.9
40°	3497.4	3512.2	3490.1	3519.4	3512.2	3482.6	3549.0	3504.9	3534.2	3497.4	3527.0
42.5°	3305.6	3312.9	3305.6	3298.1	3327.7	3320.4	3349.7	3320.4	3312.9	3312.9	3364.5
45°	3099.1	3099.1	3099.1	3121.2	3099.1	3106.4	3135.9	3121.2	3135.9	3128.4	3180.0
47.5°	2929.1	2892.3	2885.0	2929.1	2921.9	2929.1	2929.1	2936.7	2943.9	2929.1	2951.5
50°	2685.8	2671.0	2671.0	2678.5	2685.8	2700.6	2722.6	2737.4	2722.6	2744.9	2752.2
52.5°	2449.6	2434.9	2442.4	2471.7	2486.5	2479.2	2516.1	2523.3	2516.1	2530.9	2530.9
55°	2176.7	2161.9	2183.9	2221.1	2243.1	2265.2	2302.0	2272.7	2302.0	2309.5	2316.8
57.5°	1896.2	1888.9	1896.2	1933.0	1955.4	2007.0	2065.9	2065.9	2095.5	2073.4	2095.5
60°	1586.4	1586.4	1616.0	1638.0	1697.2	1734.0	1792.9	1822.5	1852.1	1881.4	1866.9
62.5°	1291.1	1298.6	1320.7	1372.3	1409.2	1461.1	1527.2	1556.8	1608.4	1638.0	1623.2
65°	1025.7	1025.7	1040.5	1084.6	1121.4	1187.8	1247.0	1313.4	1343.0	1357.5	1365.1
67.5°	767.2	760.0	789.6	819.2	856.0	922.4	988.8	1025.7	1077.3	1092.1	1084.6
70°	516.6	523.9	538.7	568.2	612.3	664.0	737.9	767.2	796.8	811.6	796.8
72.5°	324.6	324.6	332.1	361.4	391.0	427.9	479.5	509.1	545.9	553.5	538.7
75°	147.6	147.6	162.4	176.9	199.3	228.9	265.7	287.8	309.8	332.1	332.1
77.5°	29.6	36.8	44.4	44.4	58.9	81.2	103.3	125.3	147.6	147.6	147.6
80°	7.3	7.3	7.3	7.3	7.3	7.3	14.8	22.0	36.8	36.8	36.8
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 EX6C1309027 6LBCSSQMMS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6	5002.6
2.5°	5002.6	5046.9	5002.6	4980.5	5010.1	5002.6	4980.5	4987.8
5°	4980.5	4995.3	5010.1	4950.9	4987.8	4995.3	4980.5	4965.7
7.5°	4958.5	4965.7	4958.5	4943.7	4943.7	4943.7	4958.5	4958.5
10°	4950.9	4928.9	4892.0	4869.7	4892.0	4892.0	4884.5	4943.7
12.5°	4855.2	4884.5	4862.5	4818.1	4862.5	4855.2	4855.2	4869.7
15°	4781.2	4781.2	4796.0	4737.1	4766.4	4759.2	4759.2	4774.0
17.5°	4707.6	4707.6	4700.0	4685.2	4678.0	4700.0	4678.0	4714.8
20°	4604.3	4619.1	4663.2	4589.5	4611.5	4589.5	4589.5	4545.1
22.5°	4478.7	4552.7	4515.5	4508.3	4501.0	4508.3	4523.1	4471.4
25°	4397.5	4397.5	4412.3	4368.2	4368.2	4383.0	4375.4	4360.6
27.5°	4286.9	4279.4	4272.2	4257.4	4294.2	4264.9	4264.9	4264.9
30°	4132.0	4154.1	4146.8	4109.7	4154.1	4139.3	4117.3	4072.9
32.5°	3999.2	4028.8	3984.4	3977.2	3969.6	3977.2	3984.4	3947.6
35°	3836.8	3844.3	3844.3	3814.7	3822.0	3814.7	3799.9	3807.2
37.5°	3689.1	3681.9	3645.0	3630.2	3637.5	3637.5	3645.0	3630.2
40°	3482.6	3504.9	3504.9	3453.3	3467.8	3453.3	3453.3	3445.7
42.5°	3312.9	3320.4	3298.1	3276.1	3276.1	3268.8	3254.0	3268.8
45°	3135.9	3128.4	3106.4	3084.3	3084.3	3076.8	3062.0	3091.6
47.5°	2936.7	2921.9	2914.6	2885.0	2885.0	2840.7	2848.2	2877.5
50°	2737.4	2722.6	2693.3	2678.5	2656.2	2634.1	2626.9	2626.9
52.5°	2501.3	2501.3	2471.7	2442.4	2434.9	2420.1	2405.3	2412.8
55°	2294.7	2294.7	2272.7	2221.1	2191.5	2154.6	2132.3	2125.1
57.5°	2058.6	2043.8	1999.5	1940.6	1911.0	1881.4	1859.4	1859.4
60°	1822.5	1785.7	1741.3	1689.7	1638.0	1586.4	1571.6	1564.3
62.5°	1564.3	1527.2	1446.3	1387.1	1350.3	1320.7	1291.1	1313.4
65°	1305.9	1254.3	1180.6	1121.4	1084.6	1040.5	1018.2	1018.2
67.5°	1032.9	981.3	907.6	848.5	811.6	782.0	752.7	752.7
70°	760.0	723.1	656.7	605.1	575.5	531.1	523.9	523.9
72.5°	516.6	472.2	420.6	383.8	354.2	324.6	309.8	302.5
75°	287.8	258.2	221.3	199.3	169.7	154.9	140.1	140.1
77.5°	118.1	96.0	73.7	58.9	44.4	36.8	29.6	36.8
80°	22.0	14.8	7.3	7.3	7.3	7.3	7.3	7.3
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)