

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 6LCSQWH**

Issue Date: 2/16/2022

**Test Information**

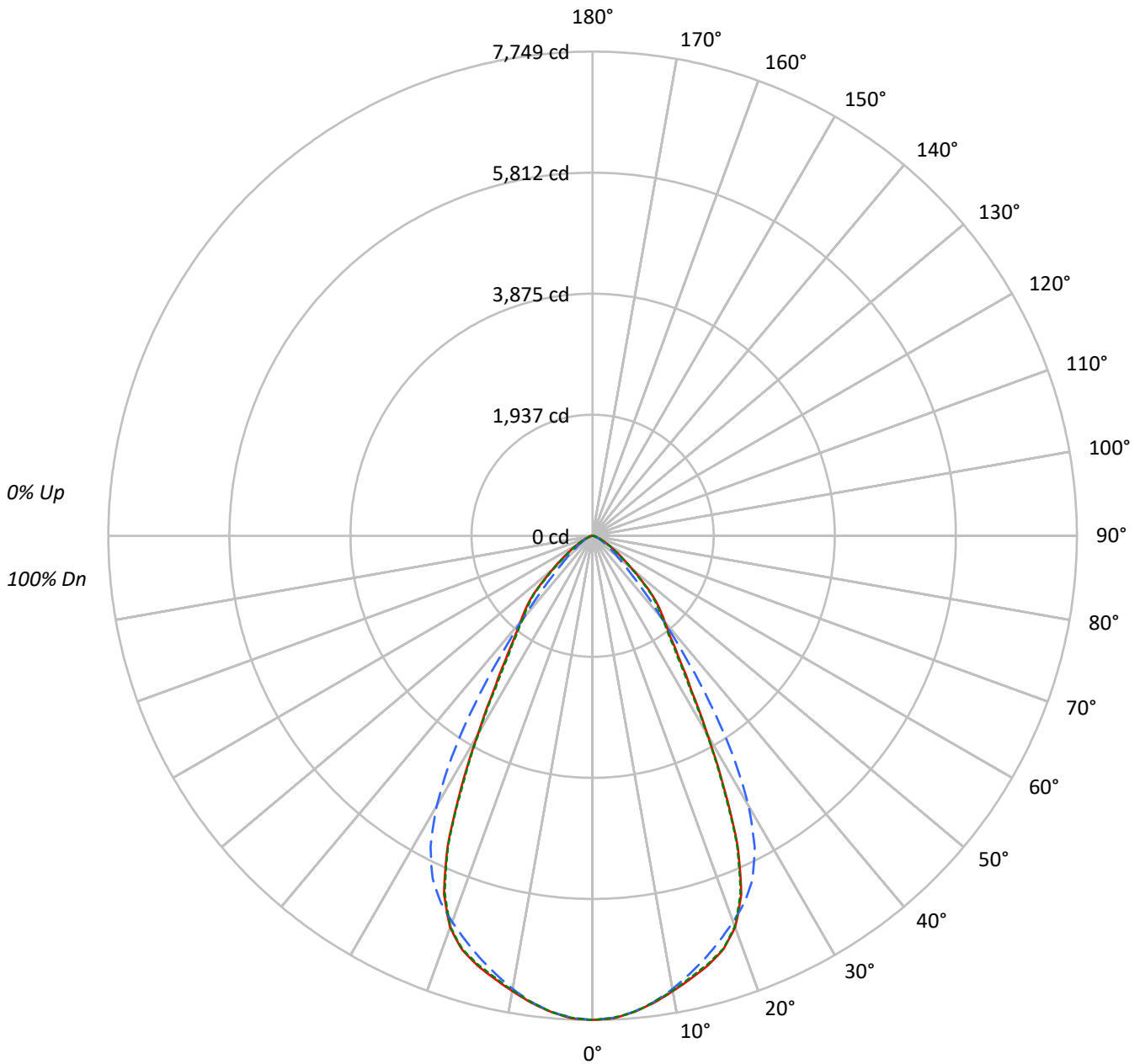
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309035 6LCSQWH  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8488.0 lumens  
Efficiency: N/A  
Efficacy: 58.8 lumens/watt  
Spacing Criteria (0/90/45): 0.96 / 0.95 / 0.97  
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 EX6C1309035 6LCSQWH

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LCSQWH

**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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																			
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71																			
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65																			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																			
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56																			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52																			
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48																			
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	333625	333625	333625
5°	330638	330409	330638
10°	323509	321997	323046
15°	317362	311660	316532
20°	305589	301195	304980
25°	261149	287734	259880
30°	182817	248125	181226
35°	127729	172548	124791
40°	100641	96746	97797
45°	83072	54350	81775
50°	55689	34449	53720
55°	36804	23601	35003
60°	24783	16060	23405
65°	16555	11125	15475
70°	11065	8057	10398
75°	7087	5756	6654
80°	4637	4637	4637
85°	3952	3952	3952



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LCSQWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	721.4	8.5
10°-20°	1983.4	23.4
20°-30°	2563.2	30.2
30°-40°	1735.4	20.4
40°-50°	913.1	10.8
50°-60°	382.1	4.5
60°-70°	137.1	1.6
70°-80°	42.6	0.5
80°-90°	9.6	0.1
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°	5268.0	62.1
0°-40°	7003.4	82.5
0°-60°	8298.7	97.8
0°-90°	8488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8488.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7749	7749	7749	7749	7749	
5°	7650	7647	7645	7647	7650	722
15°	7120	7053	6992	7040	7101	2000
25°	5497	5729	6057	5729	5470	2439
35°	2430	2619	3283	2579	2374	1573
45°	1364	1250	893	1226	1343	1023
55°	490	418	314	410	466	459
65°	162	131	109	128	152	169
75°	43	37	35	35	40	49
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LCSQWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7748.7	7748.7	7748.7	7748.7	7748.7
2.5°	7730.0	7722.0	7719.4	7722.0	7722.0
5°	7650.1	7647.4	7644.8	7647.4	7650.1
7.5°	7538.2	7530.2	7524.9	7524.9	7527.5
10°	7399.6	7386.3	7365.0	7378.3	7389.0
12.5°	7261.1	7229.1	7181.1	7213.1	7239.8
15°	7119.8	7053.2	6991.9	7039.9	7101.2
17.5°	6946.6	6880.0	6784.1	6866.7	6936.0
20°	6669.5	6629.6	6573.6	6629.6	6656.2
22.5°	6213.9	6261.8	6352.4	6253.8	6181.9
25°	5497.1	5728.9	6056.7	5728.9	5470.4
27.5°	4556.5	4958.8	5617.0	4926.9	4516.5
30°	3677.2	4074.2	4990.8	4076.9	3645.2
32.5°	2952.4	3269.5	4194.1	3224.2	2891.1
35°	2430.1	2619.3	3282.8	2579.3	2374.2
37.5°	2046.4	2107.7	2403.5	2073.1	2003.8
40°	1790.6	1740.0	1721.3	1713.3	1740.0
42.5°	1588.1	1468.2	1247.0	1438.9	1540.1
45°	1364.3	1249.7	892.6	1225.7	1343.0
47.5°	1073.8	1025.9	663.5	1004.6	1036.5
50°	831.4	767.4	514.3	754.1	802.0
52.5°	639.5	567.6	405.0	548.9	607.5
55°	490.3	418.3	314.4	410.4	466.3
57.5°	378.4	314.4	242.5	303.8	359.7
60°	287.8	237.2	186.5	226.5	271.8
62.5°	215.8	175.9	143.9	170.5	205.2
65°	162.5	130.6	109.2	127.9	151.9
67.5°	119.9	98.6	82.6	93.3	111.9
70°	87.9	71.9	64.0	69.3	82.6
72.5°	61.3	53.3	48.0	50.6	56.0
75°	42.6	37.3	34.6	34.6	40.0
77.5°	29.3	26.6	24.0	26.6	29.3
80°	18.7	18.7	18.7	18.7	18.7
82.5°	13.3	13.3	13.3	13.3	10.7
85°	8.0	8.0	8.0	8.0	8.0
87.5°	5.3	5.3	5.3	5.3	2.7
90°	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)