

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: **LX6C100D010 EX6C1009030 6LCSQWH**

Issue Date: 2/16/2022

**Test Information**

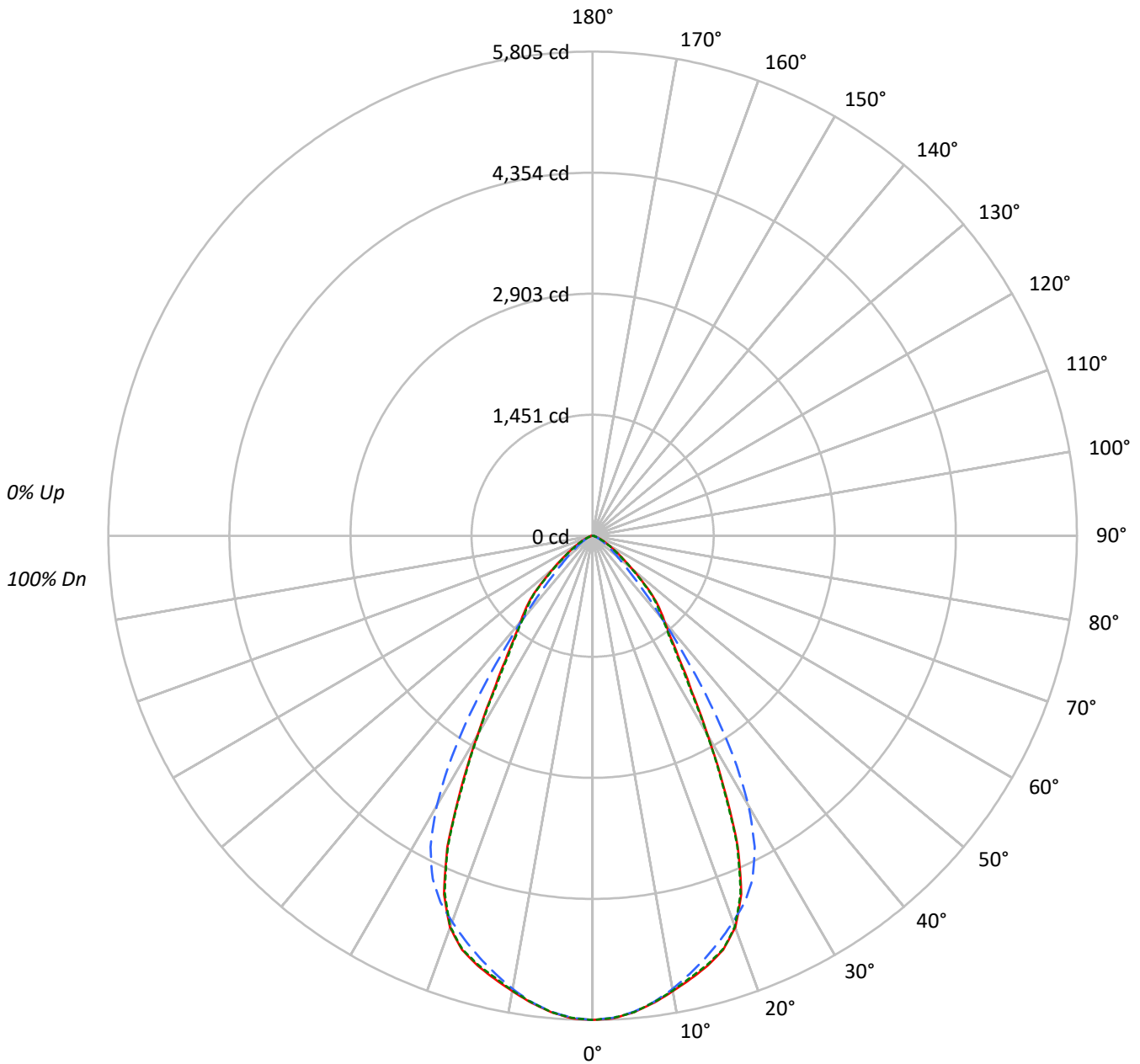
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C100D010 EX6C1009030 6LCSQWH  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6359.0 lumens  
Efficiency: N/A  
Efficacy: 55.6 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): 114.4  
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									
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°	249942	249942	249942
5°	247708	247535	247708
10°	242365	241233	242016
15°	237760	233490	237136
20°	228939	225649	228485
25°	195647	215561	194697
30°	136959	185890	135771
35°	95693	129269	93491
40°	75399	72482	73269
45°	62236	40717	61261
50°	41717	25808	40250
55°	27571	17685	26220
60°	18566	12030	17532
65°	12409	8334	11594
70°	8296	6030	7792
75°	5307	4325	4974
80°	3471	3471	3471
85°	2964	2964	2964



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	540.4	8.5
10°-20°	1485.9	23.4
20°-30°	1920.3	30.2
30°-40°	1300.1	20.4
40°-50°	684.1	10.8
50°-60°	286.3	4.5
60°-70°	102.7	1.6
70°-80°	31.9	0.5
80°-90°	7.2	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°	3946.7	62.1
0°-40°	5246.8	82.5
0°-60°	6217.2	97.8
0°-90°	6359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6359.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5805	5805	5805	5805	5805	
5°	5731	5729	5727	5729	5731	541
15°	5334	5284	5238	5274	5320	1498
25°	4118	4292	4538	4292	4098	1827
35°	1821	1962	2459	1932	1779	1179
45°	1022	936	669	918	1006	766
55°	367	313	236	307	349	344
65°	122	98	82	96	114	127
75°	32	28	26	26	30	37
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5805.1	5805.1	5805.1	5805.1	5805.1
2.5°	5791.2	5785.2	5783.2	5785.2	5785.2
5°	5731.3	5729.3	5727.3	5729.3	5731.3
7.5°	5647.4	5641.4	5637.4	5637.4	5639.4
10°	5543.6	5533.6	5517.7	5527.6	5535.6
12.5°	5439.8	5415.9	5379.9	5403.9	5423.8
15°	5334.0	5284.1	5238.2	5274.1	5320.0
17.5°	5204.3	5154.3	5082.5	5144.4	5196.3
20°	4996.6	4966.7	4924.8	4966.7	4986.7
22.5°	4655.3	4691.2	4759.1	4685.2	4631.3
25°	4118.3	4292.0	4537.5	4292.0	4098.3
27.5°	3413.6	3715.0	4208.1	3691.1	3383.7
30°	2754.8	3052.3	3739.0	3054.3	2730.9
32.5°	2211.9	2449.4	3142.1	2415.5	2165.9
35°	1820.6	1962.3	2459.4	1932.4	1778.7
37.5°	1533.1	1579.0	1800.6	1553.1	1501.2
40°	1341.5	1303.6	1289.6	1283.6	1303.6
42.5°	1189.8	1099.9	934.3	1078.0	1153.8
45°	1022.1	936.2	668.7	918.3	1006.1
47.5°	804.5	768.6	497.1	752.6	776.5
50°	622.8	574.9	385.3	564.9	600.9
52.5°	479.1	425.2	303.4	411.2	455.1
55°	367.3	313.4	235.6	307.4	349.3
57.5°	283.5	235.6	181.7	227.6	269.5
60°	215.6	177.7	139.7	169.7	203.6
62.5°	161.7	131.8	107.8	127.8	153.7
65°	121.8	97.8	81.8	95.8	113.8
67.5°	89.8	73.9	61.9	69.9	83.8
70°	65.9	53.9	47.9	51.9	61.9
72.5°	45.9	39.9	35.9	37.9	41.9
75°	31.9	27.9	26.0	26.0	29.9
77.5°	22.0	20.0	18.0	20.0	22.0
80°	14.0	14.0	14.0	14.0	14.0
82.5°	10.0	10.0	10.0	10.0	8.0
85°	6.0	6.0	6.0	6.0	6.0
87.5°	4.0	4.0	4.0	4.0	2.0
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)