

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 EX6C1309040 6LCSQWH**

Issue Date: 2/16/2022



**Test Information**

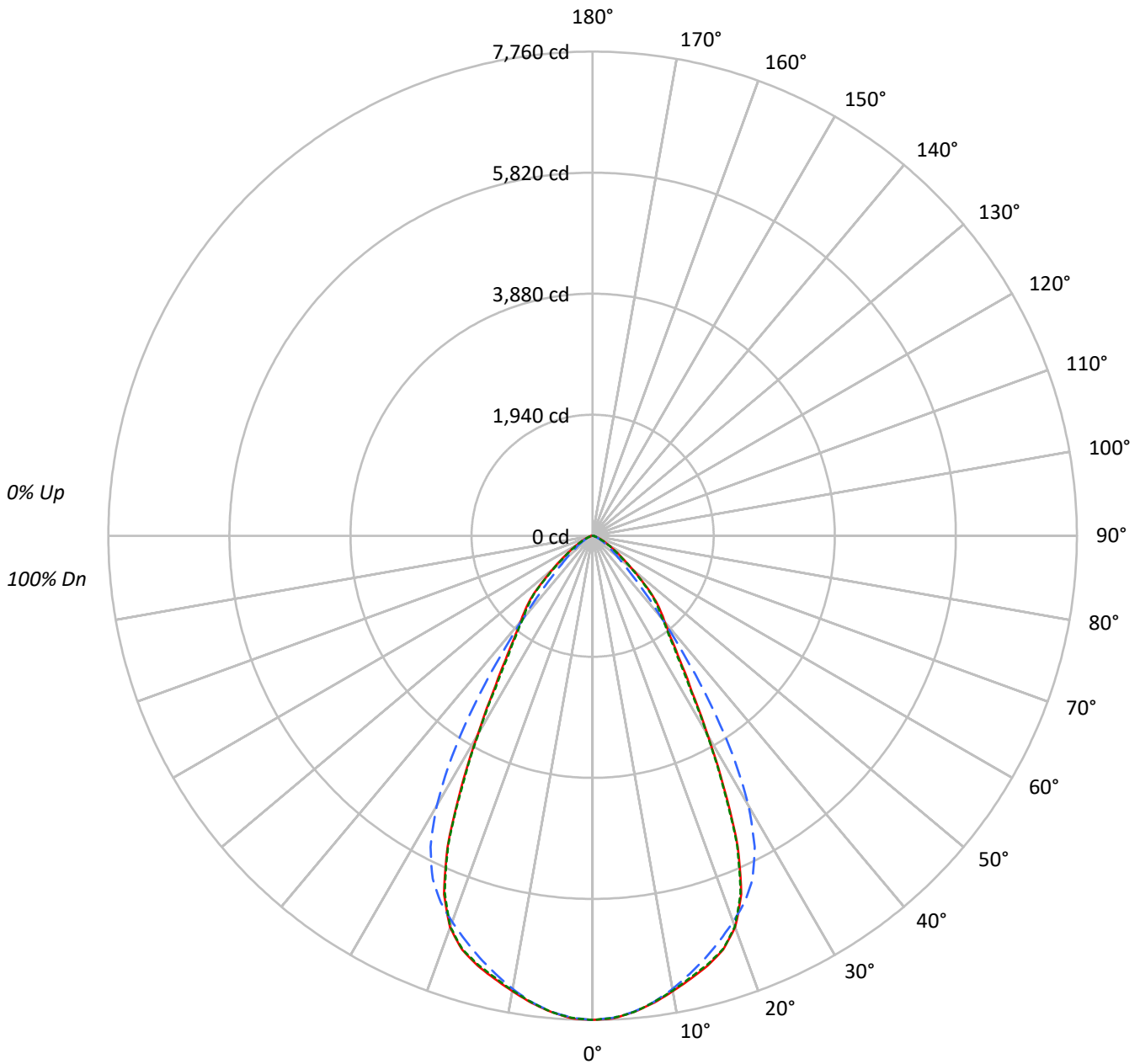
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309040 6LCSQWH  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8500.0 lumens  
Efficiency: N/A  
Efficacy: 58.9 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

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

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

	0°	45°	90°
0°	334095	334095	334095
5°	331105	330876	331105
10°	323969	322451	323501
15°	317812	312102	316978
20°	306024	301621	305410
25°	261519	288137	260251
30°	183076	248478	181480
35°	127913	172790	124964
40°	100787	96886	97938
45°	83188	54429	81891
50°	55763	34496	53801
55°	36857	23638	35055
60°	24817	16086	23440
65°	16586	11145	15496
70°	11091	8057	10411
75°	7103	5772	6654
80°	4637	4637	4637
85°	3952	3952	3952



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	722.4	8.5
10°-20°	1986.2	23.4
20°-30°	2566.8	30.2
30°-40°	1737.9	20.4
40°-50°	914.4	10.8
50°-60°	382.7	4.5
60°-70°	137.3	1.6
70°-80°	42.7	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°	5275.4	62.1
0°-40°	7013.3	82.5
0°-60°	8310.4	97.8
0°-90°	8500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8500.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7760	7760	7760	7760	7760	
5°	7661	7658	7656	7658	7661	723
15°	7130	7063	7002	7050	7111	2003
25°	5505	5737	6065	5737	5478	2442
35°	2434	2623	3287	2583	2378	1576
45°	1366	1252	894	1228	1345	1024
55°	491	419	315	411	467	460
65°	163	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7759.6	7759.6	7759.6	7759.6	7759.6
2.5°	7741.0	7733.0	7730.3	7733.0	7733.0
5°	7660.9	7658.2	7655.6	7658.2	7660.9
7.5°	7548.8	7540.8	7535.5	7535.5	7538.2
10°	7410.1	7396.7	7375.4	7388.7	7399.4
12.5°	7271.3	7239.3	7191.3	7223.3	7250.0
15°	7129.9	7063.2	7001.8	7049.9	7111.2
17.5°	6956.5	6889.8	6793.7	6876.4	6945.8
20°	6679.0	6638.9	6582.9	6638.9	6665.6
22.5°	6222.7	6270.7	6361.4	6262.7	6190.6
25°	5504.9	5737.0	6065.2	5737.0	5478.2
27.5°	4562.9	4965.9	5624.9	4933.8	4522.9
30°	3682.4	4080.0	4997.9	4082.6	3650.3
32.5°	2956.6	3274.1	4200.0	3228.7	2895.2
35°	2433.6	2623.0	3287.4	2583.0	2377.5
37.5°	2049.3	2110.7	2406.9	2076.0	2006.6
40°	1793.2	1742.5	1723.8	1715.8	1742.5
42.5°	1590.4	1470.3	1248.8	1440.9	1542.3
45°	1366.2	1251.5	893.9	1227.5	1344.9
47.5°	1075.4	1027.3	664.4	1006.0	1038.0
50°	832.5	768.5	515.0	755.2	803.2
52.5°	640.4	568.4	405.6	549.7	608.4
55°	491.0	418.9	314.9	410.9	467.0
57.5°	378.9	314.9	242.8	304.2	360.2
60°	288.2	237.5	186.8	226.8	272.2
62.5°	216.1	176.1	144.1	170.8	205.5
65°	162.8	130.8	109.4	128.1	152.1
67.5°	120.1	98.7	82.7	93.4	112.1
70°	88.1	72.0	64.0	69.4	82.7
72.5°	61.4	53.4	48.0	50.7	56.0
75°	42.7	37.4	34.7	34.7	40.0
77.5°	29.4	26.7	24.0	26.7	29.4
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)