

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 EX6C1309030 6LCSQWH**

Issue Date: 2/16/2022

**Test Information**

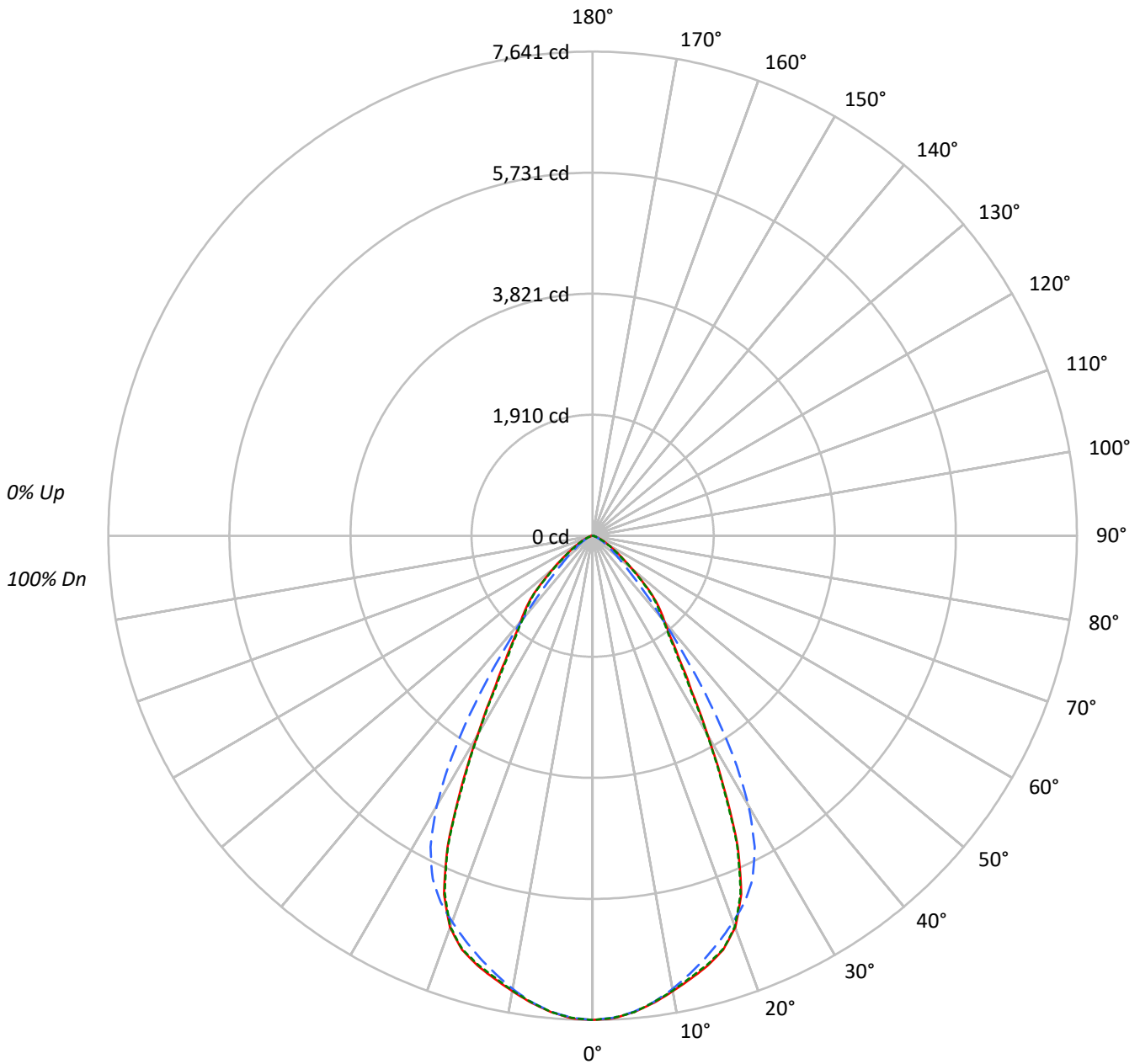
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309030 6LCSQWH  
Description: 6 INCH 13000 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: 8370.0 lumens  
Efficiency: N/A  
Efficacy: 58.0 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									
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°	328988	328988	328988
5°	326044	325815	326044
10°	319015	317520	318552
15°	312953	307328	312133
20°	301342	297007	300741
25°	257519	283734	256270
30°	180272	244674	178706
35°	125953	170151	123056
40°	99241	95403	96437
45°	81915	53595	80636
50°	54912	33967	52977
55°	36294	23278	34515
60°	24438	15836	23078
65°	16331	10972	15261
70°	10914	7943	10260
75°	6987	5689	6554
80°	4562	4562	4562
85°	3903	3903	3903



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	711.3	8.5
10°-20°	1955.9	23.4
20°-30°	2527.6	30.2
30°-40°	1711.3	20.4
40°-50°	900.4	10.8
50°-60°	376.8	4.5
60°-70°	135.2	1.6
70°-80°	42.0	0.5
80°-90°	9.5	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°	5194.8	62.1
0°-40°	6906.0	82.5
0°-60°	8183.3	97.8
0°-90°	8370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8370.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7641	7641	7641	7641	7641	
5°	7544	7541	7538	7541	7544	712
15°	7021	6955	6895	6942	7002	1972
25°	5421	5649	5972	5649	5394	2405
35°	2396	2583	3237	2544	2341	1551
45°	1345	1232	880	1209	1324	1009
55°	484	412	310	405	460	453
65°	160	129	108	126	150	167
75°	42	37	34	34	39	48
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°	7641.0	7641.0	7641.0	7641.0	7641.0
2.5°	7622.6	7614.7	7612.1	7614.7	7614.7
5°	7543.8	7541.1	7538.5	7541.1	7543.8
7.5°	7433.4	7425.5	7420.3	7420.3	7422.9
10°	7296.8	7283.6	7262.6	7275.7	7286.2
12.5°	7160.1	7128.6	7081.3	7112.8	7139.1
15°	7020.9	6955.2	6894.7	6942.0	7002.5
17.5°	6850.1	6784.4	6689.8	6771.2	6839.6
20°	6576.8	6537.4	6482.2	6537.4	6563.7
22.5°	6127.5	6174.8	6264.1	6166.9	6096.0
25°	5420.7	5649.3	5972.5	5649.3	5394.4
27.5°	4493.1	4889.9	5538.9	4858.4	4453.7
30°	3626.0	4017.6	4921.4	4020.2	3594.5
32.5°	2911.3	3224.0	4135.8	3179.4	2850.9
35°	2396.3	2582.9	3237.2	2543.5	2341.2
37.5°	2018.0	2078.4	2370.1	2044.2	1975.9
40°	1765.7	1715.8	1697.4	1689.5	1715.8
42.5°	1566.0	1447.8	1229.7	1418.9	1518.7
45°	1345.3	1232.3	880.2	1208.7	1324.3
47.5°	1058.9	1011.6	654.3	990.6	1022.1
50°	819.8	756.7	507.1	743.6	790.9
52.5°	630.6	559.7	399.4	541.3	599.1
55°	483.5	412.5	310.1	404.6	459.8
57.5°	373.1	310.1	239.1	299.5	354.7
60°	283.8	233.9	183.9	223.3	268.0
62.5°	212.8	173.4	141.9	168.2	202.3
65°	160.3	128.8	107.7	126.1	149.8
67.5°	118.2	97.2	81.5	92.0	110.4
70°	86.7	70.9	63.1	68.3	81.5
72.5°	60.4	52.6	47.3	49.9	55.2
75°	42.0	36.8	34.2	34.2	39.4
77.5°	28.9	26.3	23.6	26.3	28.9
80°	18.4	18.4	18.4	18.4	18.4
82.5°	13.1	13.1	13.1	13.1	10.5
85°	7.9	7.9	7.9	7.9	7.9
87.5°	5.3	5.3	5.3	5.3	2.6
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)