

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 EX6C1009035 6LCSQWLI**

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 (G1-2105-247-23)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX6C1009035 6LCSQWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

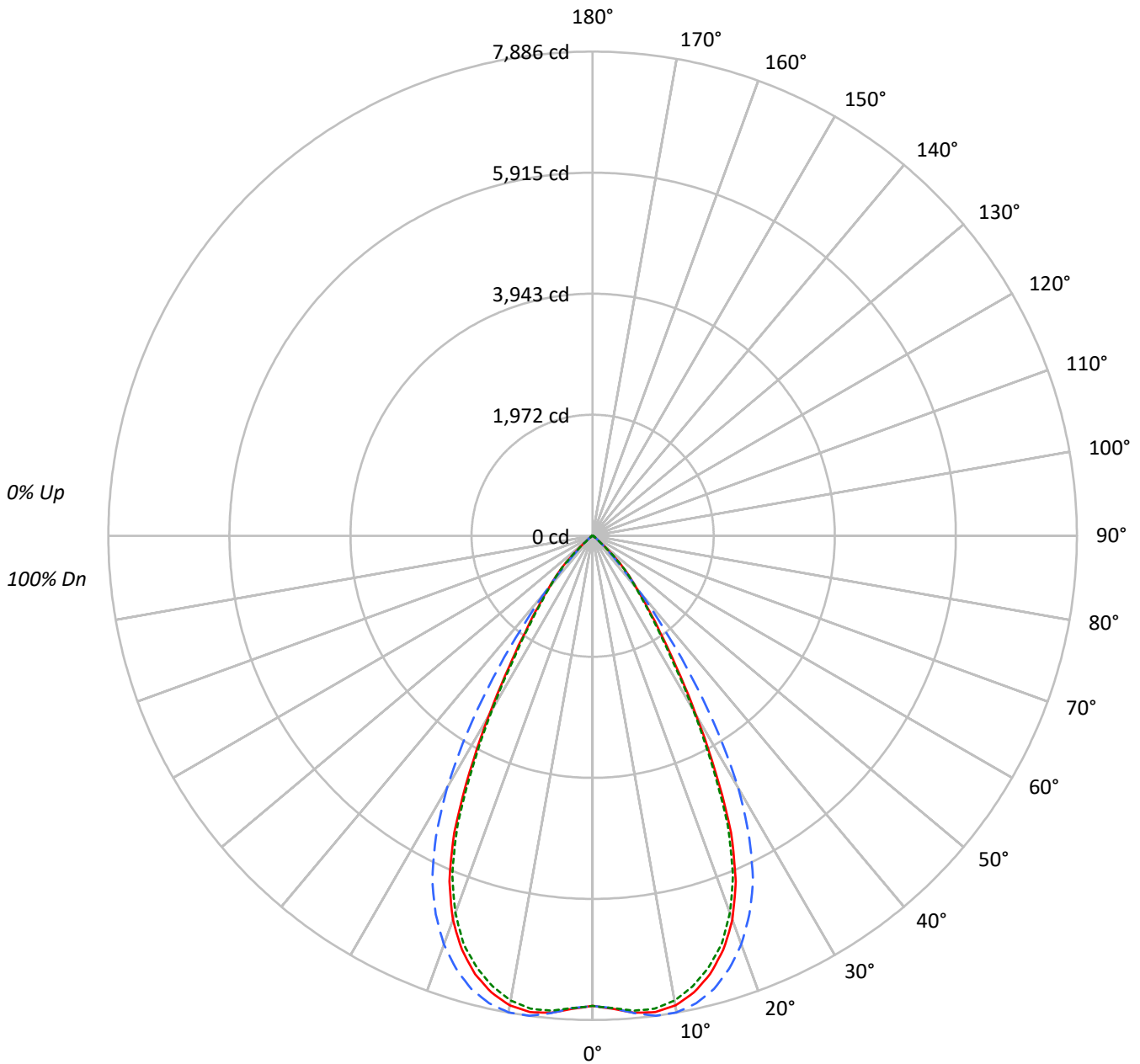
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7381.9 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
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_{in}): 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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	329681	329681	329681
5°	337065	337329	335578
10°	339546	344591	336005
15°	329401	340589	324614
20°	304828	324402	299353
25°	253344	293548	247286
30°	167092	235740	162056
35°	100455	148344	95882
40°	62472	67137	59971
45°	36491	24283	35133
50°	8547	8406	8272
55°	4106	3948	4106
60°	2618	2437	2618
65°	1854	1650	1854
70°	1271	1271	1271
75°	665	1015	665
80°	992	992	992
85°	988	988	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.5	10.1
10°-20°	2097.0	28.4
20°-30°	2557.3	34.6
30°-40°	1450.8	19.7
40°-50°	444.9	6.0
50°-60°	59.9	0.8
60°-70°	18.4	0.2
70°-80°	6.5	0.1
80°-90°	2.6	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°	5398.8	73.1
0°-40°	6849.6	92.8
0°-60°	7354.4	99.6
0°-90°	7381.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7381.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7657	7657	7657	7657	7657	
5°	7799	7801	7805	7783	7764	743
15°	7390	7556	7641	7497	7282	2060
25°	5333	5790	6179	5742	5205	2357
35°	1911	2185	2822	2120	1824	1249
45°	599	628	399	603	577	452
55°	55	57	53	55	55	56
65°	18	18	16	18	18	18
75°	4	6	6	6	4	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7657.1	7657.1	7657.1	7657.1	7657.1
2.5°	7713.8	7707.7	7699.6	7697.6	7699.6
5°	7798.8	7800.8	7804.9	7782.6	7764.4
7.5°	7825.1	7861.6	7885.9	7827.2	7768.5
10°	7766.4	7841.3	7881.8	7790.7	7685.4
12.5°	7618.6	7742.1	7796.8	7679.4	7517.4
15°	7389.9	7555.9	7640.9	7497.2	7282.5
17.5°	7074.0	7298.7	7393.9	7234.0	6976.8
20°	6652.9	6920.1	7080.1	6871.6	6533.4
22.5°	6092.1	6450.4	6673.1	6405.9	5970.6
25°	5332.8	5790.4	6179.1	5741.8	5205.3
27.5°	4332.7	4932.0	5521.1	4867.2	4217.3
30°	3360.9	3903.5	4741.7	3856.9	3259.6
32.5°	2526.7	2966.1	3802.2	2913.4	2421.4
35°	1911.2	2184.6	2822.3	2119.8	1824.2
37.5°	1453.7	1605.5	1891.0	1559.0	1378.8
40°	1111.5	1178.3	1194.5	1143.9	1067.0
42.5°	868.6	868.6	698.5	842.2	842.2
45°	599.3	627.6	398.8	603.3	577.0
47.5°	301.7	402.9	218.7	388.7	281.4
50°	127.6	198.4	125.5	192.3	123.5
52.5°	76.9	87.1	76.9	87.1	72.9
55°	54.7	56.7	52.6	54.7	54.7
57.5°	40.5	40.5	38.5	40.5	40.5
60°	30.4	30.4	28.3	30.4	30.4
62.5°	22.3	24.3	22.3	24.3	22.3
65°	18.2	18.2	16.2	18.2	18.2
67.5°	14.2	14.2	12.1	14.2	14.2
70°	10.1	10.1	10.1	10.1	10.1
72.5°	8.1	8.1	8.1	8.1	8.1
75°	4.0	6.1	6.1	6.1	4.0
77.5°	4.0	4.0	4.0	4.0	4.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	2.0	4.0	4.0	4.0	2.0
85°	2.0	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	2.0	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)