

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 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 EX6C1009030 6LCSQWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

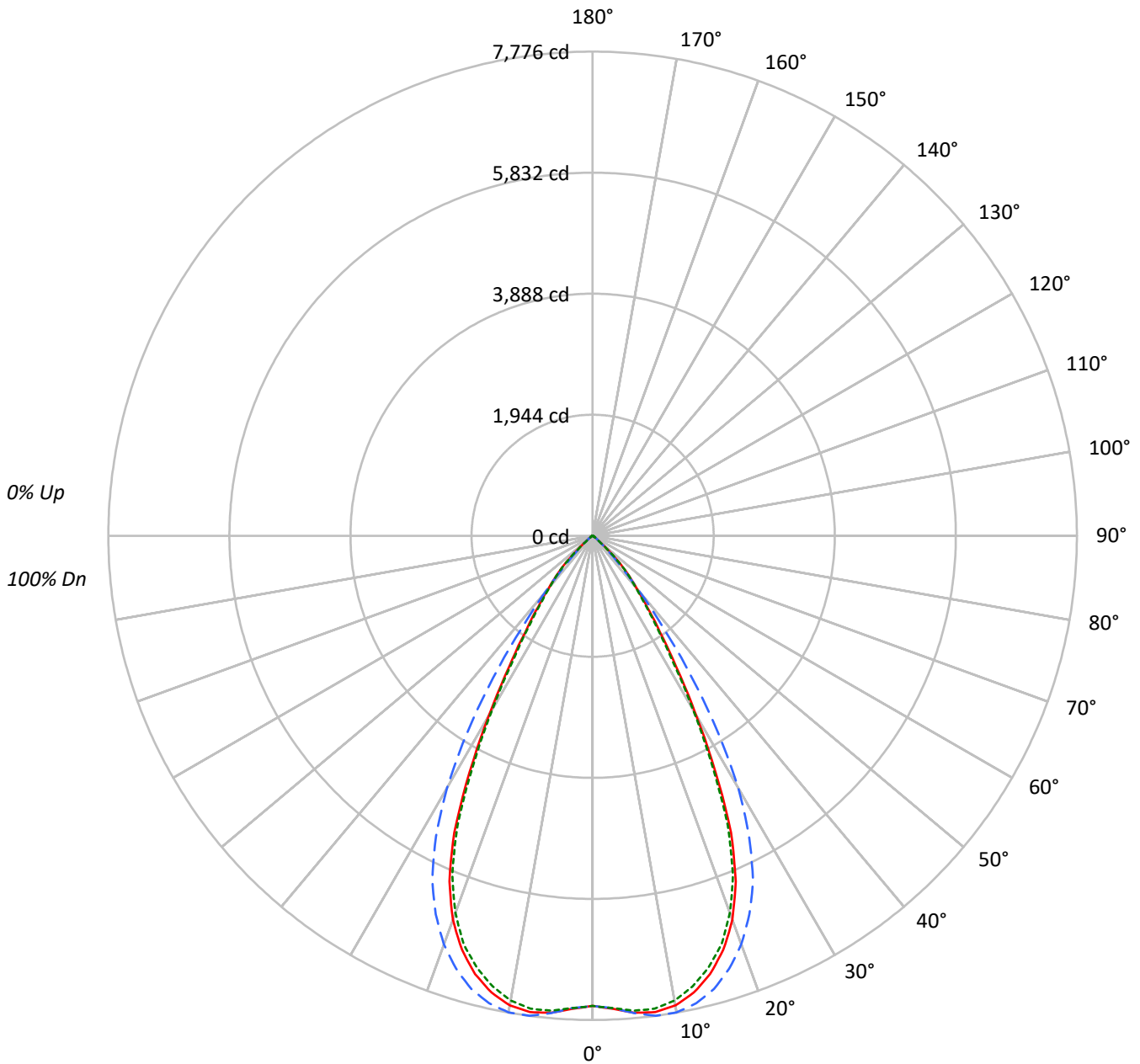
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7279.0 lumens
Efficiency: N/A
Efficacy: 63.6 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°	325083	325083	325083
5°	332363	332622	330898
10°	334811	339786	331318
15°	324801	335838	320085
20°	300576	319875	295179
25°	249809	289453	243837
30°	164760	232449	159798
35°	99057	146273	94542
40°	61601	66204	59133
45°	35980	23948	34646
50°	8426	8292	8158
55°	4046	3896	4046
60°	2575	2403	2575
65°	1834	1630	1834
70°	1259	1259	1259
75°	665	998	665
80°	992	992	992
85°	988	988	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.1	10.1
10°-20°	2067.7	28.4
20°-30°	2521.6	34.6
30°-40°	1430.6	19.7
40°-50°	438.7	6.0
50°-60°	59.0	0.8
60°-70°	18.2	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°	5323.5	73.1
0°-40°	6754.0	92.8
0°-60°	7251.8	99.6
0°-90°	7279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7550	7550	7550	7550	7550	
5°	7690	7692	7696	7674	7656	733
15°	7287	7450	7534	7393	7181	2031
25°	5258	5710	6093	5662	5133	2324
35°	1885	2154	2783	2090	1799	1232
45°	591	619	393	595	569	445
55°	54	56	52	54	54	55
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°	7550.3	7550.3	7550.3	7550.3	7550.3
2.5°	7606.2	7600.2	7592.2	7590.2	7592.2
5°	7690.0	7692.0	7696.0	7674.0	7656.1
7.5°	7716.0	7751.9	7775.9	7718.0	7660.1
10°	7658.1	7731.9	7771.9	7682.0	7578.2
12.5°	7512.3	7634.1	7688.0	7572.2	7412.5
15°	7286.7	7450.4	7534.3	7392.6	7180.9
17.5°	6975.3	7196.9	7290.7	7133.0	6879.5
20°	6560.1	6823.6	6981.3	6775.7	6442.3
22.5°	6007.1	6360.4	6580.0	6316.5	5887.3
25°	5258.4	5709.6	6092.9	5661.7	5132.7
27.5°	4272.2	4863.2	5444.1	4799.3	4158.4
30°	3314.0	3849.0	4675.5	3803.1	3214.2
32.5°	2491.5	2924.7	3749.2	2872.8	2387.7
35°	1884.6	2154.1	2782.9	2090.2	1798.7
37.5°	1433.4	1583.1	1864.6	1537.2	1359.5
40°	1096.0	1161.9	1177.9	1127.9	1052.1
42.5°	856.4	856.4	688.7	830.5	830.5
45°	590.9	618.9	393.3	594.9	569.0
47.5°	297.5	397.3	215.6	383.3	277.5
50°	125.8	195.6	123.8	189.7	121.8
52.5°	75.9	85.8	75.9	85.8	71.9
55°	53.9	55.9	51.9	53.9	53.9
57.5°	39.9	39.9	37.9	39.9	39.9
60°	29.9	29.9	27.9	29.9	29.9
62.5°	22.0	24.0	22.0	24.0	22.0
65°	18.0	18.0	16.0	18.0	18.0
67.5°	14.0	14.0	12.0	14.0	14.0
70°	10.0	10.0	10.0	10.0	10.0
72.5°	8.0	8.0	8.0	8.0	8.0
75°	4.0	6.0	6.0	6.0	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)