

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 EX6C1309035 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: LX6C130D010 EX6C1309035 6LCSQWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

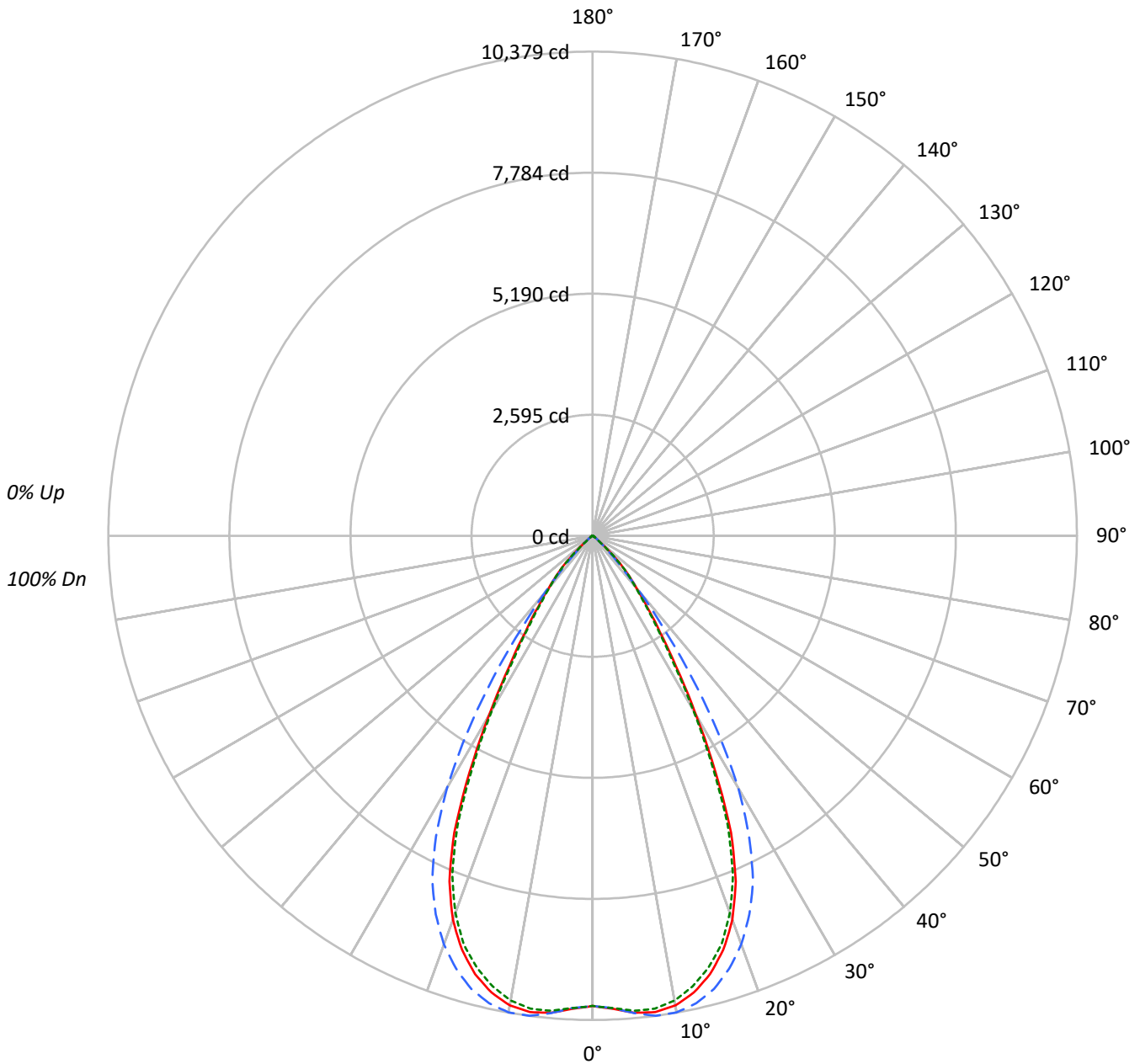
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9716.0 lumens
Efficiency: N/A
Efficacy: 67.3 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): 144.3
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°	433919	433919	433919
5°	443637	443983	441679
10°	446904	453545	442244
15°	433545	448277	427251
20°	401208	426968	394001
25°	333449	386362	325473
30°	219920	310270	213293
35°	132218	195249	126194
40°	82223	88366	78929
45°	48030	31967	46246
50°	11246	11066	10885
55°	5397	5202	5397
60°	3444	3212	3444
65°	2445	2170	2445
70°	1674	1674	1674
75°	882	1331	882
80°	1314	1314	1314
85°	1334	1334	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.9	10.1
10°-20°	2760.0	28.4
20°-30°	3365.9	34.6
30°-40°	1909.5	19.7
40°-50°	585.6	6.0
50°-60°	78.8	0.8
60°-70°	24.2	0.2
70°-80°	8.6	0.1
80°-90°	3.5	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°	7105.8	73.1
0°-40°	9015.3	92.8
0°-60°	9679.7	99.6
0°-90°	9716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10078	10078	10078	10078	10078	
5°	10265	10267	10273	10243	10219	978
15°	9726	9945	10057	9868	9585	2711
25°	7019	7621	8133	7557	6851	3102
35°	2516	2875	3715	2790	2401	1644
45°	789	826	525	794	760	594
55°	72	75	69	72	72	73
65°	24	24	21	24	24	24
75°	5	8	8	8	5	8
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10078.1	10078.1	10078.1	10078.1	10078.1
2.5°	10152.7	10144.7	10134.0	10131.4	10134.0
5°	10264.6	10267.3	10272.6	10243.3	10219.3
7.5°	10299.3	10347.2	10379.2	10301.9	10224.6
10°	10222.0	10320.6	10373.9	10254.0	10115.4
12.5°	10027.5	10190.0	10262.0	10107.4	9894.2
15°	9726.3	9944.8	10056.8	9867.6	9585.1
17.5°	9310.6	9606.4	9731.7	9521.1	9182.7
20°	8756.4	9108.1	9318.6	9044.2	8599.1
22.5°	8018.2	8489.9	8783.0	8431.3	7858.3
25°	7019.0	7621.2	8132.8	7557.2	6851.1
27.5°	5702.6	6491.3	7266.8	6406.1	5550.7
30°	4423.5	5137.6	6240.8	5076.3	4290.2
32.5°	3325.6	3903.9	5004.4	3834.6	3187.0
35°	2515.5	2875.3	3714.7	2790.0	2400.9
37.5°	1913.3	2113.1	2488.9	2051.9	1814.7
40°	1462.9	1550.9	1572.2	1505.6	1404.3
42.5°	1143.2	1143.2	919.3	1108.5	1108.5
45°	788.8	826.1	525.0	794.1	759.5
47.5°	397.0	530.3	287.8	511.6	370.4
50°	167.9	261.1	165.2	253.2	162.5
52.5°	101.3	114.6	101.3	114.6	95.9
55°	71.9	74.6	69.3	71.9	71.9
57.5°	53.3	53.3	50.6	53.3	53.3
60°	40.0	40.0	37.3	40.0	40.0
62.5°	29.3	32.0	29.3	32.0	29.3
65°	24.0	24.0	21.3	24.0	24.0
67.5°	18.7	18.7	16.0	18.7	18.7
70°	13.3	13.3	13.3	13.3	13.3
72.5°	10.7	10.7	10.7	10.7	10.7
75°	5.3	8.0	8.0	8.0	5.3
77.5°	5.3	5.3	5.3	5.3	5.3
80°	5.3	5.3	5.3	5.3	5.3
82.5°	2.7	5.3	5.3	5.3	2.7
85°	2.7	2.7	2.7	2.7	2.7
87.5°	2.7	2.7	2.7	2.7	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)