

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 EX6C1309027 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 EX6C1309027 6LCSQWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

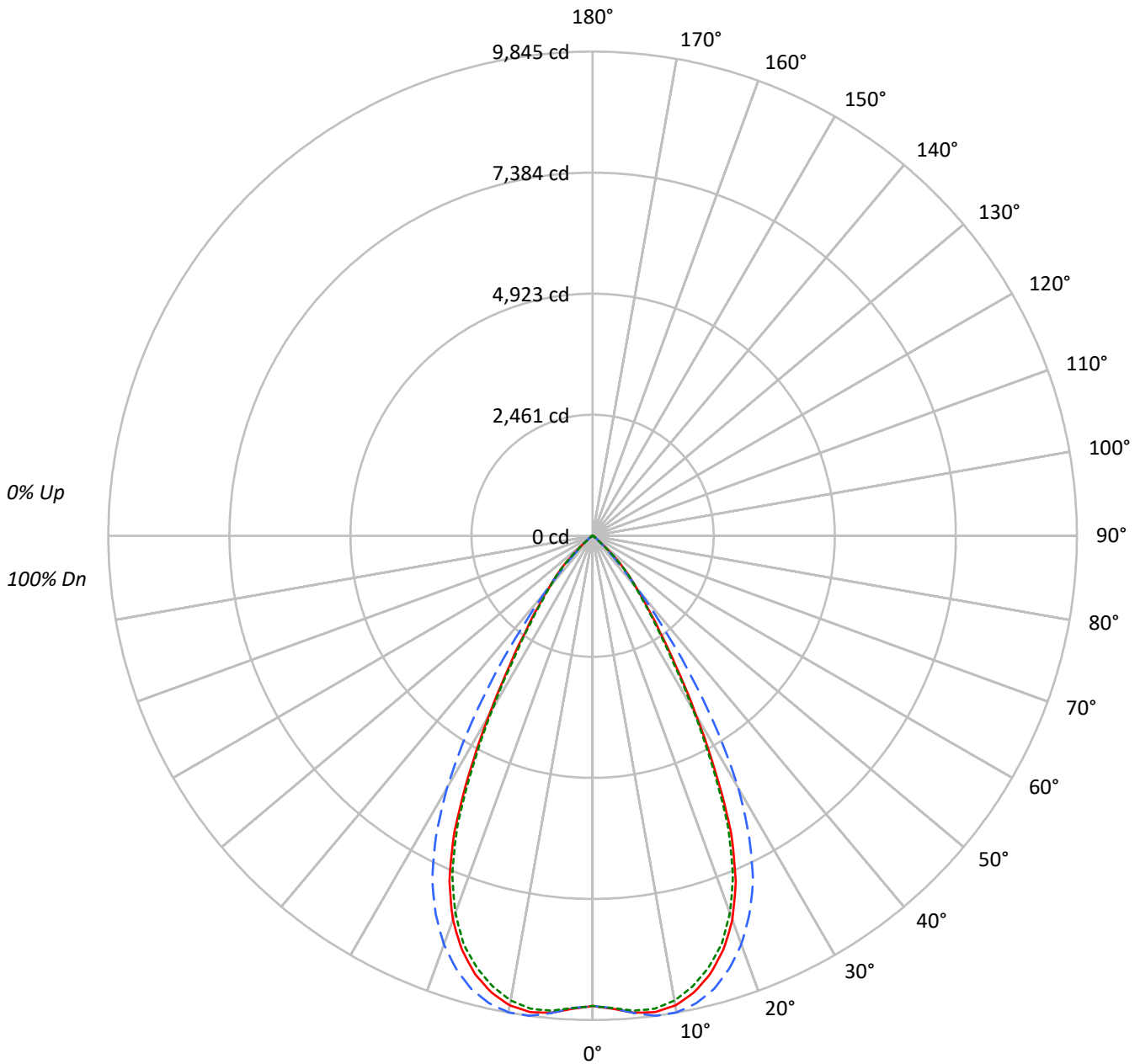
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9216.0 lumens
Efficiency: N/A
Efficacy: 63.9 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

TEST NUMBER: P#
CATALOG NUMBER: LX6C130D010 EX6C1309027 6LCSQWLI

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°	411586	411586	411586
5°	420808	421137	418950
10°	423903	430203	419483
15°	411235	425205	405262
20°	380562	404998	373726
25°	316285	366481	308722
30°	208600	294306	202321
35°	125416	185200	119703
40°	77996	83819	74871
45°	45558	30317	43865
50°	10664	10496	10329
55°	5119	4932	5119
60°	3264	3048	3264
65°	2313	2058	2313
70°	1586	1586	1586
75°	848	1264	848
80°	1265	1265	1265
85°	1235	1235	1235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	929.5	10.1
10°-20°	2617.9	28.4
20°-30°	3192.7	34.6
30°-40°	1811.2	19.7
40°-50°	555.5	6.0
50°-60°	74.8	0.8
60°-70°	23.0	0.2
70°-80°	8.2	0.1
80°-90°	3.3	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°	6740.1	73.1
0°-40°	8551.4	92.8
0°-60°	9181.6	99.6
0°-90°	9216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9559	9559	9559	9559	9559	
5°	9736	9739	9744	9716	9693	928
15°	9226	9433	9539	9360	9092	2572
25°	6658	7229	7714	7168	6498	2943
35°	2386	2727	3524	2646	2277	1560
45°	748	784	498	753	720	564
55°	68	71	66	68	68	69
65°	23	23	20	23	23	23
75°	5	8	8	8	5	8
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9559.4	9559.4	9559.4	9559.4	9559.4
2.5°	9630.2	9622.6	9612.5	9610.0	9612.5
5°	9736.4	9738.9	9744.0	9716.2	9693.4
7.5°	9769.2	9814.7	9845.1	9771.8	9698.5
10°	9695.9	9789.5	9840.0	9726.3	9594.8
12.5°	9511.4	9665.6	9733.9	9587.3	9385.0
15°	9225.8	9433.1	9539.2	9359.8	9091.8
17.5°	8831.5	9112.1	9230.9	9031.2	8710.2
20°	8305.8	8639.4	8839.1	8578.7	8156.6
22.5°	7605.6	8053.0	8331.0	7997.4	7453.9
25°	6657.7	7229.0	7714.3	7168.3	6498.5
27.5°	5409.1	6157.3	6892.8	6076.4	5265.0
30°	4195.8	4873.2	5919.7	4815.1	4069.5
32.5°	3154.5	3703.0	4746.9	3637.2	3023.0
35°	2386.1	2727.3	3523.5	2646.4	2277.4
37.5°	1814.8	2004.4	2360.8	1946.3	1721.3
40°	1387.7	1471.1	1491.3	1428.1	1332.1
42.5°	1084.3	1084.3	872.0	1051.5	1051.5
45°	748.2	783.6	497.9	753.2	720.4
47.5°	376.6	503.0	273.0	485.3	351.3
50°	159.2	247.7	156.7	240.1	154.2
52.5°	96.0	108.7	96.0	108.7	91.0
55°	68.2	70.8	65.7	68.2	68.2
57.5°	50.6	50.6	48.0	50.6	50.6
60°	37.9	37.9	35.4	37.9	37.9
62.5°	27.8	30.3	27.8	30.3	27.8
65°	22.7	22.7	20.2	22.7	22.7
67.5°	17.7	17.7	15.2	17.7	17.7
70°	12.6	12.6	12.6	12.6	12.6
72.5°	10.1	10.1	10.1	10.1	10.1
75°	5.1	7.6	7.6	7.6	5.1
77.5°	5.1	5.1	5.1	5.1	5.1
80°	5.1	5.1	5.1	5.1	5.1
82.5°	2.5	5.1	5.1	5.1	2.5
85°	2.5	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	2.5	2.5	2.5
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)