

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: **LX6C120D010 EX6C1209027 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: LX6C120D010 EX6C1209027 6LCSQWLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

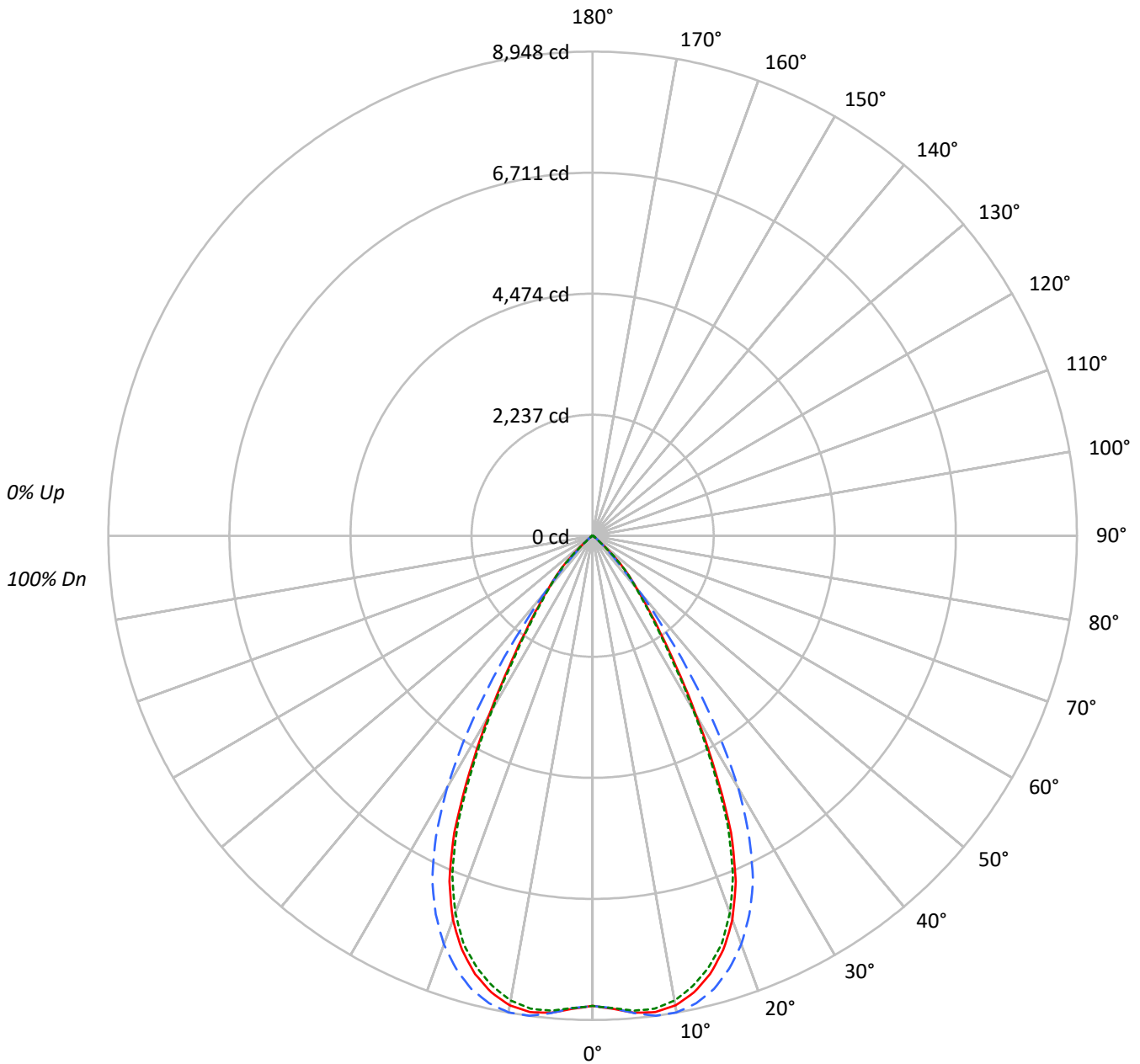
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8376.0 lumens
Efficiency: N/A
Efficacy: 58.9 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): 142.3
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°	374072	374072	374072
5°	382455	382749	380765
10°	385268	390991	381250
15°	373753	386452	368328
20°	345873	368081	339664
25°	287458	333079	280584
30°	189588	267479	183876
35°	113984	168317	108791
40°	70886	76180	68042
45°	41405	27559	39865
50°	9692	9538	9384
55°	4654	4481	4654
60°	2971	2773	2971
65°	2109	1875	2109
70°	1448	1448	1448
75°	765	1148	765
80°	1141	1141	1141
85°	1136	1136	1136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.8	10.1
10°-20°	2379.3	28.4
20°-30°	2901.7	34.6
30°-40°	1646.2	19.7
40°-50°	504.9	6.0
50°-60°	67.9	0.8
60°-70°	20.9	0.2
70°-80°	7.4	0.1
80°-90°	3.0	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°	6125.8	73.1
0°-40°	7771.9	92.8
0°-60°	8344.7	99.6
0°-90°	8376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8688	8688	8688	8688	8688	
5°	8849	8851	8856	8831	8810	843
15°	8385	8573	8670	8507	8263	2337
25°	6051	6570	7011	6515	5906	2674
35°	2169	2479	3202	2405	2070	1418
45°	680	712	453	685	655	512
55°	62	64	60	62	62	63
65°	21	21	18	21	21	21
75°	5	7	7	7	5	7
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°	8688.1	8688.1	8688.1	8688.1	8688.1
2.5°	8752.5	8745.6	8736.4	8734.1	8736.4
5°	8849.0	8851.2	8855.8	8830.6	8809.9
7.5°	8878.8	8920.2	8947.7	8881.1	8814.5
10°	8812.2	8897.2	8943.1	8839.8	8720.3
12.5°	8644.5	8784.6	8846.7	8713.4	8529.6
15°	8384.9	8573.3	8669.8	8506.7	8263.2
17.5°	8026.5	8281.5	8389.5	8208.0	7916.3
20°	7548.7	7852.0	8033.4	7796.8	7413.2
22.5°	6912.4	7319.0	7571.7	7268.5	6774.5
25°	6050.9	6570.1	7011.2	6515.0	5906.2
27.5°	4916.1	5596.1	6264.6	5522.6	4785.1
30°	3813.4	4429.1	5380.1	4376.2	3698.5
32.5°	2867.0	3365.5	4314.2	3305.7	2747.5
35°	2168.6	2478.7	3202.3	2405.2	2069.8
37.5°	1649.4	1821.7	2145.6	1768.9	1564.4
40°	1261.2	1337.0	1355.4	1297.9	1210.6
42.5°	985.5	985.5	792.5	955.7	955.7
45°	680.0	712.1	452.6	684.6	654.7
47.5°	342.3	457.1	248.1	441.1	319.3
50°	144.7	225.1	142.4	218.2	140.1
52.5°	87.3	98.8	87.3	98.8	82.7
55°	62.0	64.3	59.7	62.0	62.0
57.5°	45.9	45.9	43.6	45.9	45.9
60°	34.5	34.5	32.2	34.5	34.5
62.5°	25.3	27.6	25.3	27.6	25.3
65°	20.7	20.7	18.4	20.7	20.7
67.5°	16.1	16.1	13.8	16.1	16.1
70°	11.5	11.5	11.5	11.5	11.5
72.5°	9.2	9.2	9.2	9.2	9.2
75°	4.6	6.9	6.9	6.9	4.6
77.5°	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6
82.5°	2.3	4.6	4.6	4.6	2.3
85°	2.3	2.3	2.3	2.3	2.3
87.5°	2.3	2.3	2.3	2.3	2.3
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)