

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: **LX6C10D010 EX6C109050 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: LX6C10D010 EX6C109050 6LCSQWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

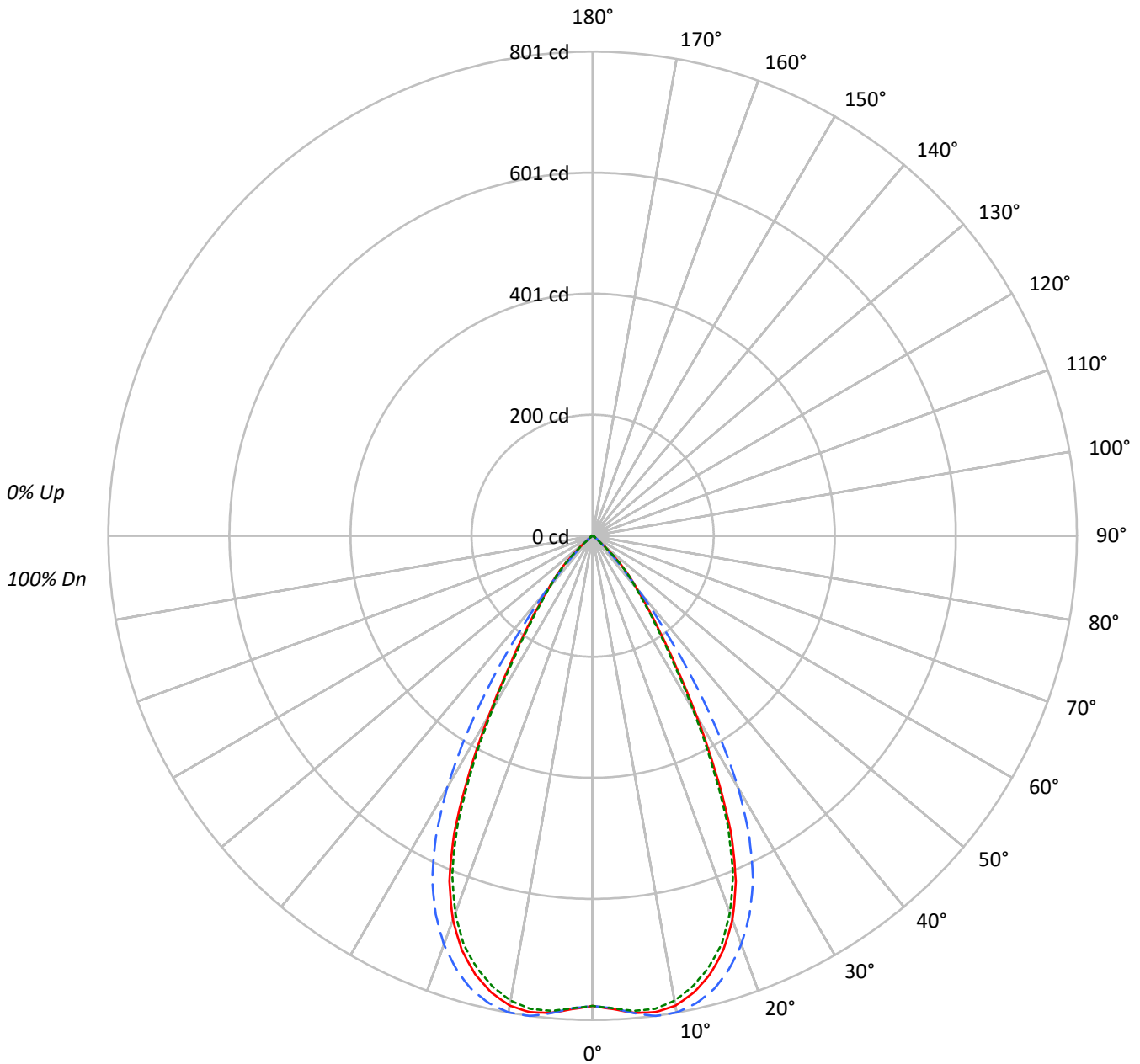
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 750.0 lumens
Efficiency: N/A
Efficacy: 76.5 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): 9.8
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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CATALOG NUMBER: LX6C10D010 EX6C109050 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°	33493	33493	33493
5°	34243	34274	34096
10°	34499	35011	34136
15°	33467	34603	32981
20°	30969	32958	30415
25°	25739	29825	25122
30°	16978	23948	16466
35°	10207	15069	9740
40°	6346	6823	6093
45°	3708	2466	3568
50°	871	857	837
55°	420	398	420
60°	267	250	267
65°	194	163	194
70°	126	126	126
75°	67	100	67
80°	99	99	99
85°	99	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	10.1
10°-20°	213.0	28.4
20°-30°	259.8	34.6
30°-40°	147.4	19.7
40°-50°	45.2	6.0
50°-60°	6.1	0.8
60°-70°	1.9	0.2
70°-80°	0.6	0.1
80°-90°	0.3	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°	548.5	73.1
0°-40°	695.9	92.8
0°-60°	747.2	99.6
0°-90°	750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	792	793	793	791	789	76
15°	751	768	776	762	740	209
25°	542	588	628	583	529	239
35°	194	222	287	215	185	127
45°	61	64	40	61	59	46
55°	6	6	5	6	6	6
65°	2	2	2	2	2	2
75°	0	1	1	1	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	777.9	777.9	777.9	777.9	777.9
2.5°	783.7	783.1	782.3	782.1	782.3
5°	792.3	792.6	793.0	790.7	788.9
7.5°	795.0	798.7	801.2	795.2	789.3
10°	789.1	796.7	800.8	791.5	780.8
12.5°	774.0	786.6	792.1	780.2	763.8
15°	750.8	767.7	776.3	761.7	739.9
17.5°	718.7	741.5	751.2	735.0	708.8
20°	675.9	703.1	719.3	698.1	663.8
22.5°	618.9	655.4	678.0	650.8	606.6
25°	541.8	588.3	627.8	583.4	528.8
27.5°	440.2	501.1	560.9	494.5	428.5
30°	341.5	396.6	481.7	391.9	331.2
32.5°	256.7	301.3	386.3	296.0	246.0
35°	194.2	221.9	286.7	215.4	185.3
37.5°	147.7	163.1	192.1	158.4	140.1
40°	112.9	119.7	121.4	116.2	108.4
42.5°	88.2	88.2	71.0	85.6	85.6
45°	60.9	63.8	40.5	61.3	58.6
47.5°	30.6	40.9	22.2	39.5	28.6
50°	13.0	20.2	12.8	19.5	12.5
52.5°	7.8	8.8	7.8	8.8	7.4
55°	5.6	5.8	5.3	5.6	5.6
57.5°	4.1	4.1	3.9	4.1	4.1
60°	3.1	3.1	2.9	3.1	3.1
62.5°	2.3	2.5	2.3	2.5	2.3
65°	1.9	1.9	1.6	1.9	1.9
67.5°	1.4	1.4	1.2	1.4	1.4
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.4	0.6	0.6	0.6	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.2	0.4	0.4	0.4	0.2
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.2
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)