

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 EX6C109040 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 EX6C109040 6LCSQWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

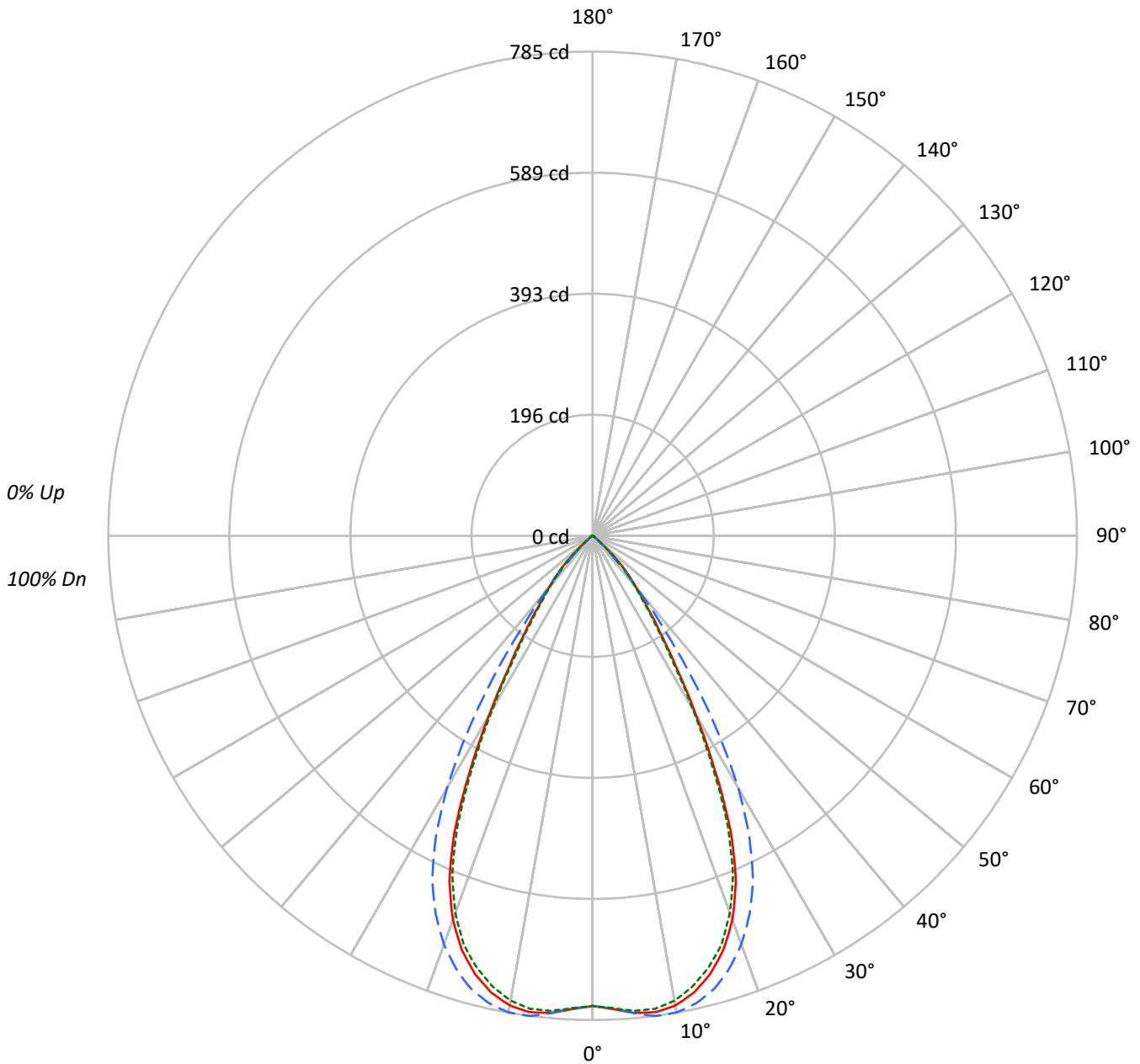
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 735.0 lumens
Efficiency: N/A
Efficacy: 75.0 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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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°	32826	32826	32826
5°	33560	33586	33413
10°	33809	34311	33454
15°	32798	33912	32321
20°	30350	32298	29805
25°	25226	29226	24623
30°	16635	23471	16138
35°	10002	14770	9545
40°	6222	6683	5969
45°	3635	2417	3501
50°	851	837	824
55°	405	390	405
60°	258	241	258
65°	183	163	183
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°	74.1	10.1
10°-20°	208.8	28.4
20°-30°	254.6	34.6
30°-40°	144.5	19.7
40°-50°	44.3	6.0
50°-60°	6.0	0.8
60°-70°	1.8	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°	537.5	73.1
0°-40°	682.0	92.8
0°-60°	732.3	99.6
0°-90°	735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	776	777	777	775	773	74
15°	736	752	761	746	725	205
25°	531	576	615	572	518	235
35°	190	218	281	211	182	124
45°	60	62	40	60	58	45
55°	5	6	5	5	5	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°	762.4	762.4	762.4	762.4	762.4
2.5°	768.0	767.4	766.6	766.4	766.6
5°	776.5	776.7	777.1	774.9	773.1
7.5°	779.1	782.8	785.2	779.3	773.5
10°	773.3	780.7	784.8	775.7	765.2
12.5°	758.6	770.9	776.3	764.6	748.5
15°	735.8	752.3	760.8	746.5	725.1
17.5°	704.3	726.7	736.2	720.3	694.7
20°	662.4	689.0	704.9	684.2	650.5
22.5°	606.6	642.2	664.4	637.8	594.5
25°	531.0	576.5	615.2	571.7	518.3
27.5°	431.4	491.1	549.7	484.6	419.9
30°	334.6	388.7	472.1	384.0	324.6
32.5°	251.6	295.3	378.6	290.1	241.1
35°	190.3	217.5	281.0	211.1	181.6
37.5°	144.7	159.9	188.3	155.2	137.3
40°	110.7	117.3	118.9	113.9	106.2
42.5°	86.5	86.5	69.5	83.9	83.9
45°	59.7	62.5	39.7	60.1	57.5
47.5°	30.0	40.1	21.8	38.7	28.0
50°	12.7	19.8	12.5	19.2	12.3
52.5°	7.7	8.7	7.7	8.7	7.3
55°	5.4	5.6	5.2	5.4	5.4
57.5°	4.0	4.0	3.8	4.0	4.0
60°	3.0	3.0	2.8	3.0	3.0
62.5°	2.2	2.4	2.2	2.4	2.2
65°	1.8	1.8	1.6	1.8	1.8
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)