

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 EX6C109027 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 EX6C109027 6LCSQWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

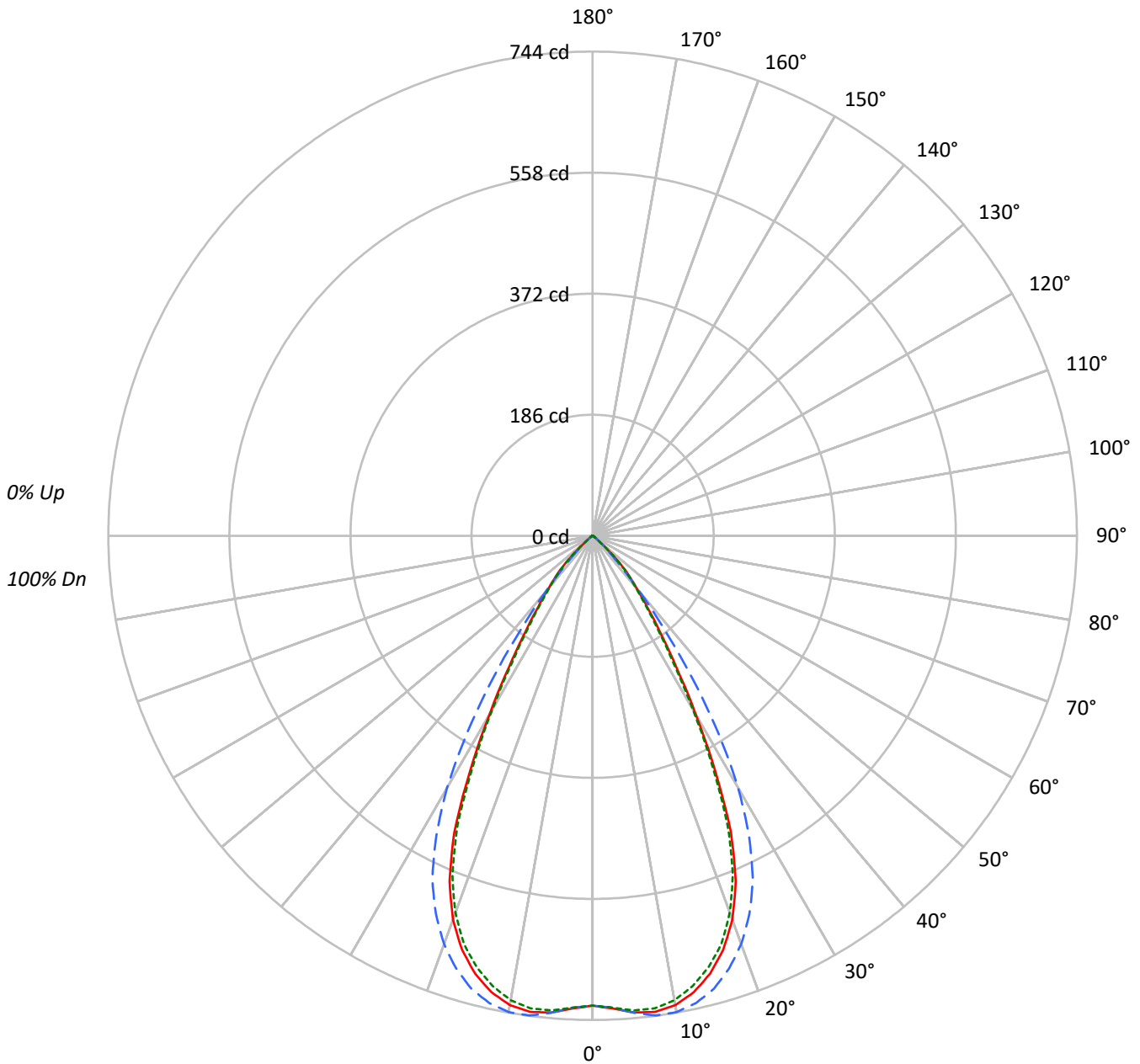
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.1 lumens
Efficiency: N/A
Efficacy: 71.0 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	99	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	86	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	52	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31082	31082	31082
5°	31780	31806	31641
10°	32012	32488	31679
15°	31055	32111	30605
20°	28742	30584	28224
25°	23886	27677	23316
30°	15755	22228	15278
35°	9472	13987	9041
40°	5890	6329	5654
45°	3440	2289	3312
50°	804	790	777
55°	390	375	390
60°	250	233	250
65°	173	153	173
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°	70.2	10.1
10°-20°	197.7	28.4
20°-30°	241.1	34.6
30°-40°	136.8	19.7
40°-50°	42.0	6.0
50°-60°	5.7	0.8
60°-70°	1.7	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°	509.0	73.1
0°-40°	645.8	92.8
0°-60°	693.4	99.6
0°-90°	696.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	735	736	736	734	732	70
15°	697	712	720	707	687	194
25°	503	546	583	541	491	222
35°	180	206	266	200	172	118
45°	56	59	38	57	54	43
55°	5	5	5	5	5	5
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°	721.9	721.9	721.9	721.9	721.9
2.5°	727.3	726.7	725.9	725.8	725.9
5°	735.3	735.5	735.9	733.8	732.1
7.5°	737.8	741.2	743.5	738.0	732.4
10°	732.2	739.3	743.1	734.5	724.6
12.5°	718.3	730.0	735.1	724.0	708.8
15°	696.7	712.4	720.4	706.9	686.6
17.5°	667.0	688.2	697.1	682.0	657.8
20°	627.3	652.5	667.5	647.9	616.0
22.5°	574.4	608.2	629.2	604.0	562.9
25°	502.8	545.9	582.6	541.4	490.8
27.5°	408.5	465.0	520.6	458.9	397.6
30°	316.9	368.0	447.1	363.6	307.3
32.5°	238.2	279.7	358.5	274.7	228.3
35°	180.2	206.0	266.1	199.9	172.0
37.5°	137.1	151.4	178.3	147.0	130.0
40°	104.8	111.1	112.6	107.9	100.6
42.5°	81.9	81.9	65.9	79.4	79.4
45°	56.5	59.2	37.6	56.9	54.4
47.5°	28.4	38.0	20.6	36.7	26.5
50°	12.0	18.7	11.8	18.1	11.6
52.5°	7.3	8.2	7.3	8.2	6.9
55°	5.2	5.3	5.0	5.2	5.2
57.5°	3.8	3.8	3.6	3.8	3.8
60°	2.9	2.9	2.7	2.9	2.9
62.5°	2.1	2.3	2.1	2.3	2.1
65°	1.7	1.7	1.5	1.7	1.7
67.5°	1.3	1.3	1.1	1.3	1.3
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)