

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 EX6C109030 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 EX6C109030 6LCSQWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

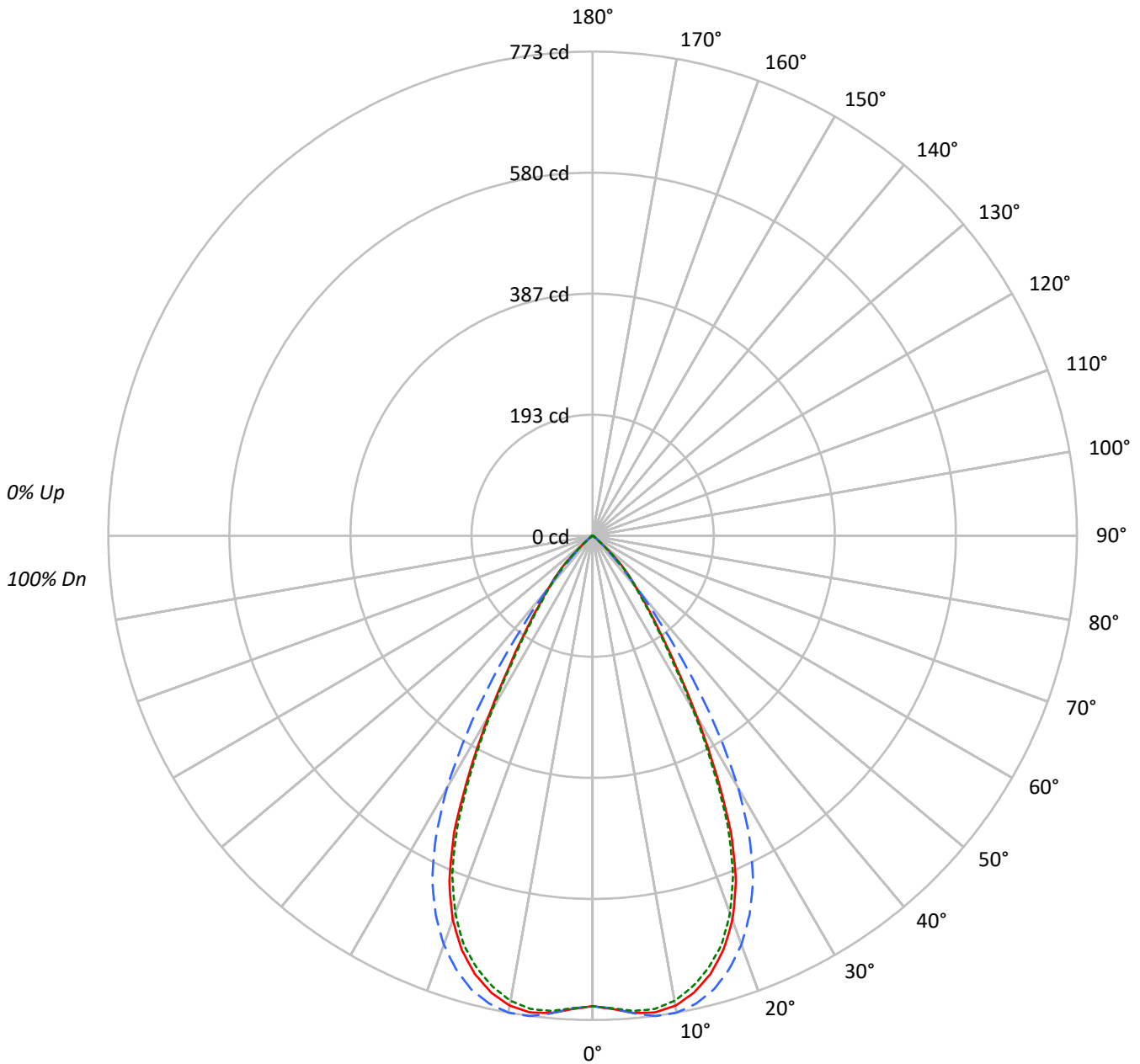
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 73.9 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): 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	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	52	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32335	32335	32335
5°	33059	33085	32912
10°	33301	33795	32956
15°	32308	33404	31835
20°	29897	31817	29361
25°	24846	28789	24252
30°	16387	23118	15894
35°	9850	14549	9403
40°	6126	6587	5879
45°	3580	2381	3446
50°	837	824	810
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°	73.0	10.1
10°-20°	205.7	28.4
20°-30°	250.8	34.6
30°-40°	142.3	19.7
40°-50°	43.6	6.0
50°-60°	5.9	0.8
60°-70°	1.8	0.3
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°	529.5	73.1
0°-40°	671.8	92.8
0°-60°	721.3	99.6
0°-90°	724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	765	765	766	763	762	73
15°	725	741	749	735	714	202
25°	523	568	606	563	510	231
35°	187	214	277	208	179	123
45°	59	62	39	59	57	44
55°	5	6	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°	751.0	751.0	751.0	751.0	751.0
2.5°	756.5	755.9	755.2	755.0	755.2
5°	764.9	765.1	765.5	763.3	761.5
7.5°	767.5	771.0	773.4	767.7	761.9
10°	761.7	769.1	773.0	764.1	753.8
12.5°	747.2	759.3	764.7	753.2	737.3
15°	724.8	741.1	749.4	735.3	714.2
17.5°	693.8	715.8	725.2	709.5	684.3
20°	652.5	678.7	694.4	673.9	640.8
22.5°	597.5	632.6	654.5	628.3	585.6
25°	523.0	567.9	606.0	563.1	510.5
27.5°	424.9	483.7	541.5	477.4	413.6
30°	329.6	382.8	465.0	378.3	319.7
32.5°	247.8	290.9	372.9	285.7	237.5
35°	187.4	214.3	276.8	207.9	178.9
37.5°	142.6	157.5	185.5	152.9	135.2
40°	109.0	115.6	117.2	112.2	104.6
42.5°	85.2	85.2	68.5	82.6	82.6
45°	58.8	61.6	39.1	59.2	56.6
47.5°	29.6	39.5	21.4	38.1	27.6
50°	12.5	19.5	12.3	18.9	12.1
52.5°	7.5	8.5	7.5	8.5	7.1
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)