

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: P685219

Luminaire Tested: **LX6C08D010 EX6089030 6LBSLI**

Issue Date: 2/15/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P685219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C08D010 EX6089030 6LBSLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

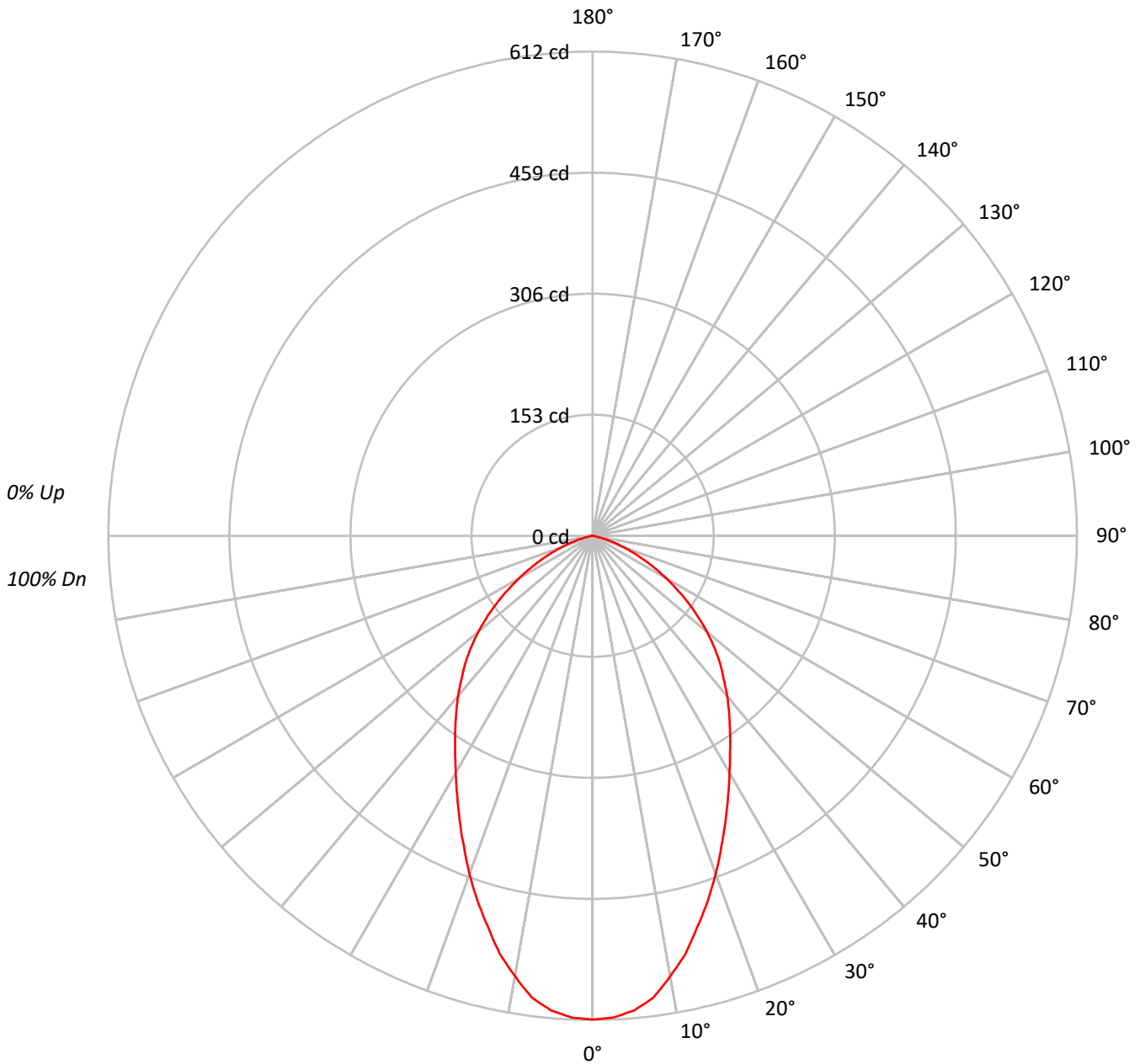
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 969.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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				20				
RC	80				70				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			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33523
5°	33139
10°	31462
15°	29035
20°	26544
25°	24038
30°	21896
35°	20258
40°	18935
45°	17637
50°	16068
55°	14069
60°	11742
65°	9210
70°	6427
75°	3495
80°	663
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	5.8
10°-20°	143.4	14.8
20°-30°	182.9	18.9
30°-40°	189.7	19.6
40°-50°	174.8	18.0
50°-60°	131.5	13.6
60°-70°	71.0	7.3
70°-80°	19.0	2.0
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°	382.7	39.5
0°-40°	572.4	59.1
0°-60°	878.7	90.7
0°-90°	969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	612	
5°	602	56
15°	512	143
25°	397	183
35°	303	190
45°	228	175
55°	147	131
65°	71	71
75°	16	19
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	611.5
2.5°	609.4
5°	602.2
7.5°	588.8
10°	565.2
12.5°	541.5
15°	511.6
17.5°	483.8
20°	455.0
22.5°	425.2
25°	397.4
27.5°	370.6
30°	345.9
32.5°	323.2
35°	302.7
37.5°	283.1
40°	264.6
42.5°	245.0
45°	227.5
47.5°	208.0
50°	188.4
52.5°	167.8
55°	147.2
57.5°	126.6
60°	107.1
62.5°	88.5
65°	71.0
67.5°	54.6
70°	40.1
72.5°	27.8
75°	16.5
77.5°	7.2
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)