

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: P685229

Luminaire Tested: **LX6C08D010 EX6089040 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: P685229
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 EX6089040 6LBSLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

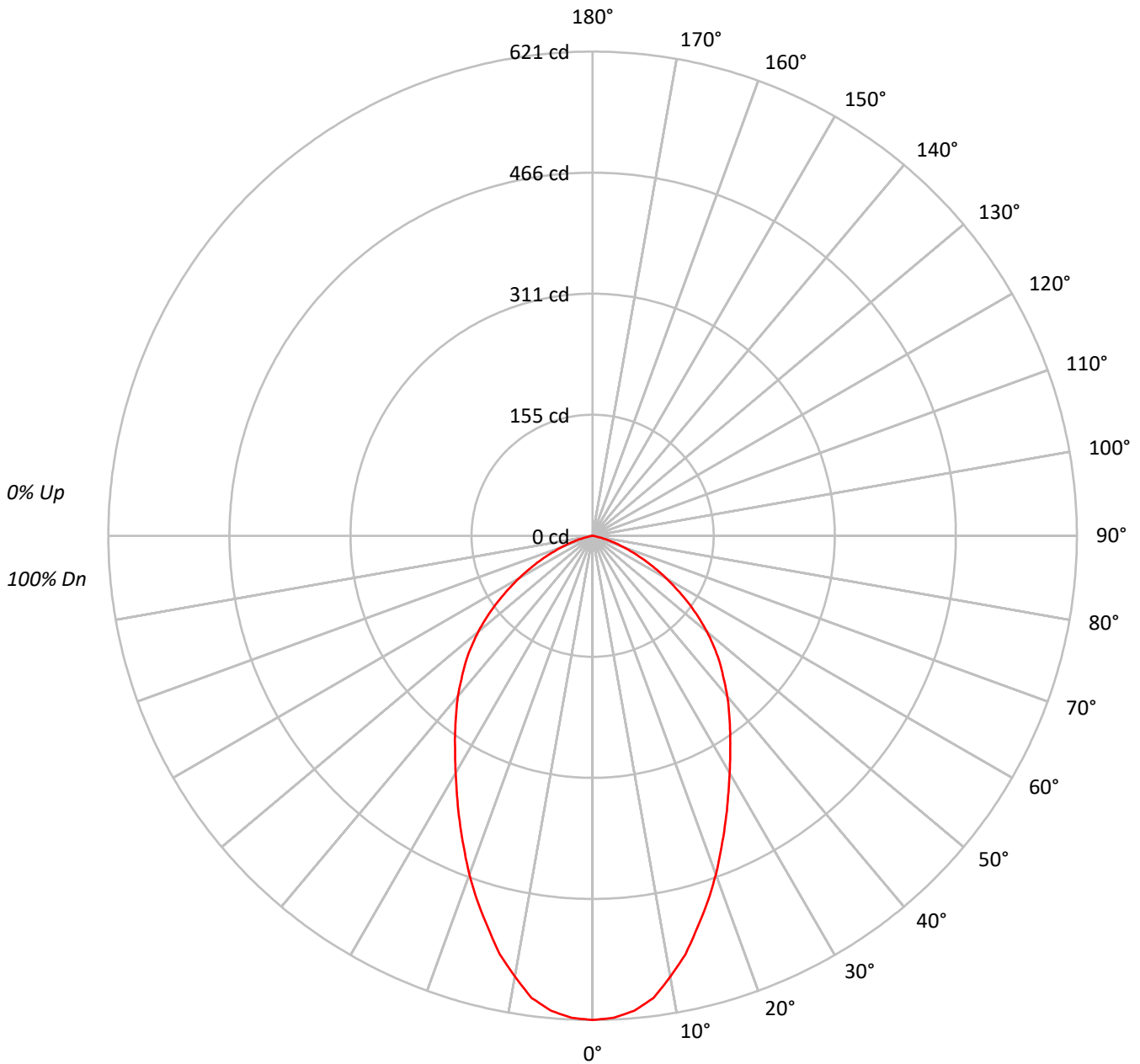
Lumens per Lamp: N/A
Luminaire Lumens: 984.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34043
5°	33651
10°	31947
15°	29484
20°	26958
25°	24407
30°	22231
35°	20565
40°	19229
45°	17909
50°	16315
55°	14289
60°	11918
65°	9352
70°	6540
75°	3537
80°	663
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	5.8
10°-20°	145.7	14.8
20°-30°	185.8	18.9
30°-40°	192.6	19.6
40°-50°	177.5	18.0
50°-60°	133.5	13.6
60°-70°	72.1	7.3
70°-80°	19.3	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°	388.6	39.5
0°-40°	581.3	59.1
0°-60°	892.3	90.7
0°-90°	984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	984.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	621	
5°	612	57
15°	520	146
25°	404	186
35°	307	193
45°	231	178
55°	150	134
65°	72	72
75°	17	19
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	621.0
2.5°	618.9
5°	611.5
7.5°	598.0
10°	573.9
12.5°	549.9
15°	519.5
17.5°	491.3
20°	462.1
22.5°	431.8
25°	403.5
27.5°	376.3
30°	351.2
32.5°	328.2
35°	307.3
37.5°	287.5
40°	268.7
42.5°	248.8
45°	231.0
47.5°	211.2
50°	191.3
52.5°	170.4
55°	149.5
57.5°	128.6
60°	108.7
62.5°	89.9
65°	72.1
67.5°	55.4
70°	40.8
72.5°	28.2
75°	16.7
77.5°	7.3
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)