

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: P684999

Luminaire Tested: **LX6C40D010 EX6409035 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684999
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: LX6C40D010 EX6409035 6LBSLI
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

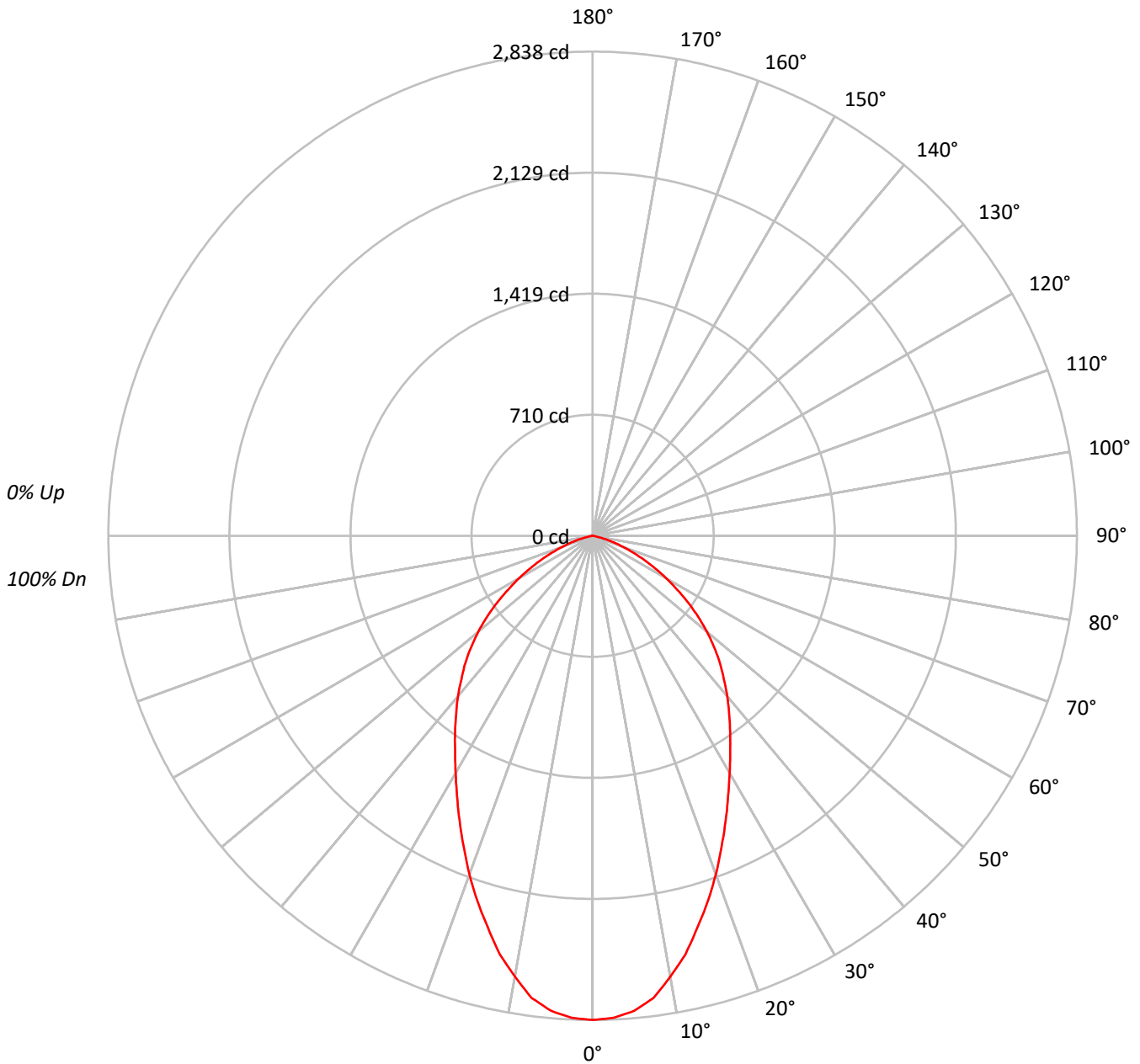
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4497.0 lumens
Efficiency: N/A
Efficacy: 95.7 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): 47
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°	155569
5°	153797
10°	146000
15°	134757
20°	123193
25°	111545
30°	101611
35°	94000
40°	87865
45°	81853
50°	74565
55°	65298
60°	54469
65°	42754
70°	29861
75°	16182
80°	3031
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.5	5.8
10°-20°	665.7	14.8
20°-30°	848.9	18.9
30°-40°	880.4	19.6
40°-50°	811.2	18.0
50°-60°	610.2	13.6
60°-70°	329.3	7.3
70°-80°	88.4	2.0
80°-90°	1.3	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°	1776.2	39.5
0°-40°	2656.5	59.1
0°-60°	4078.0	90.7
0°-90°	4497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4497.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2838	
5°	2795	262
15°	2374	666
25°	1844	849
35°	1405	880
45°	1056	811
55°	683	610
65°	330	329
75°	76	88
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2837.8
2.5°	2828.3
5°	2794.8
7.5°	2732.7
10°	2622.8
12.5°	2513.0
15°	2374.4
17.5°	2245.5
20°	2111.7
22.5°	1973.2
25°	1844.1
27.5°	1719.9
30°	1605.2
32.5°	1500.1
35°	1404.6
37.5°	1313.8
40°	1227.8
42.5°	1137.1
45°	1055.8
47.5°	965.1
50°	874.3
52.5°	778.8
55°	683.2
57.5°	587.6
60°	496.8
62.5°	410.8
65°	329.6
67.5°	253.2
70°	186.3
72.5°	129.0
75°	76.4
77.5°	33.4
80°	9.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)