

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: P684974

Luminaire Tested: **LX6C35D010 EX6359035 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684974
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: LX6C35D010 EX6359035 6LBSLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

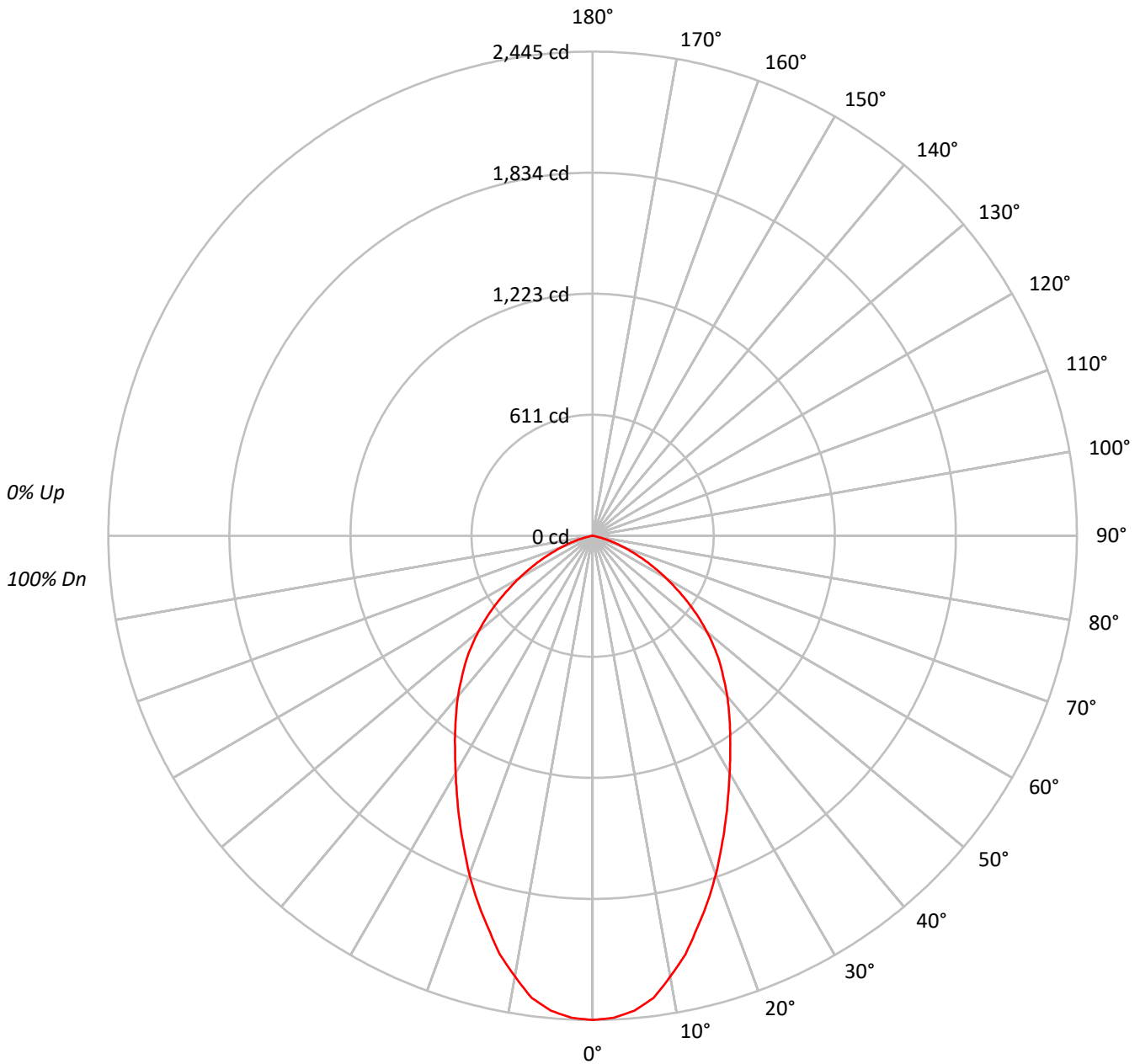
Lumens per Lamp: N/A
Luminaire Lumens: 3874.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	134019
5°	132489
10°	125771
15°	116085
20°	106123
25°	96096
30°	87532
35°	80977
40°	75692
45°	70511
50°	64228
55°	56247
60°	46926
65°	36839
70°	25725
75°	13937
80°	2620
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.3	5.8
10°-20°	573.5	14.8
20°-30°	731.3	18.9
30°-40°	758.4	19.6
40°-50°	698.8	18.0
50°-60°	525.7	13.6
60°-70°	283.7	7.3
70°-80°	76.1	2.0
80°-90°	1.1	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°	1530.1	39.5
0°-40°	2288.5	59.1
0°-60°	3513.0	90.7
0°-90°	3874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3874.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2445	
5°	2408	225
15°	2045	573
25°	1589	731
35°	1210	758
45°	910	699
55°	588	526
65°	284	284
75°	66	76
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2444.7
2.5°	2436.5
5°	2407.6
7.5°	2354.1
10°	2259.4
12.5°	2164.9
15°	2045.4
17.5°	1934.4
20°	1819.1
22.5°	1699.8
25°	1588.7
27.5°	1481.7
30°	1382.8
32.5°	1292.3
35°	1210.0
37.5°	1131.8
40°	1057.7
42.5°	979.6
45°	909.5
47.5°	831.4
50°	753.1
52.5°	670.9
55°	588.5
57.5°	506.2
60°	428.0
62.5°	353.9
65°	284.0
67.5°	218.1
70°	160.5
72.5°	111.1
75°	65.8
77.5°	28.8
80°	8.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)