

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: P684969

Luminaire Tested: **LX6C35D010 EX6359030 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684969
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 EX6359030 6LBSLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

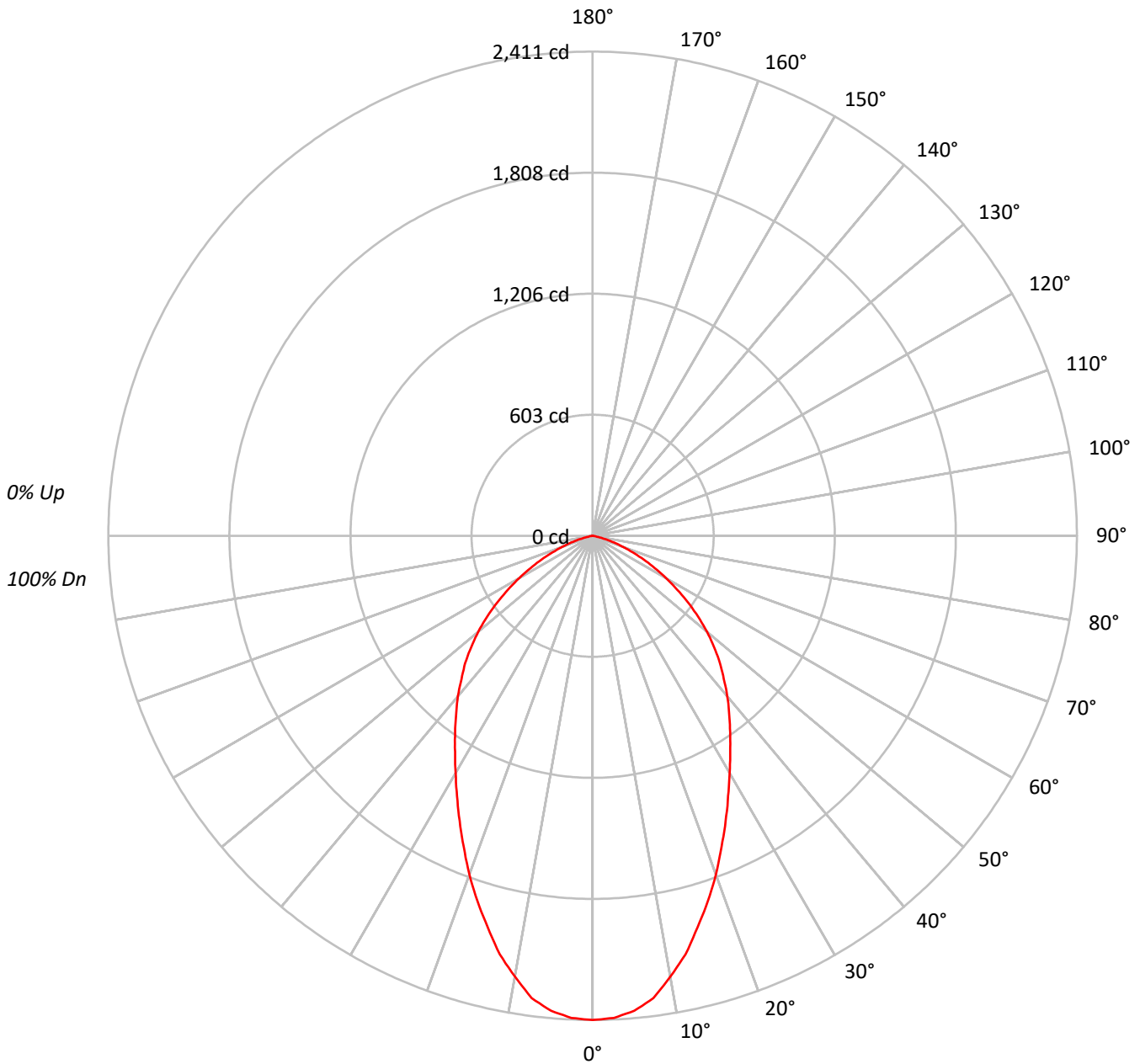
Lumens per Lamp: N/A
Luminaire Lumens: 3821.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			
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°	132182
5°	130679
10°	124051
15°	114501
20°	104671
25°	94778
30°	86336
35°	79873
40°	74654
45°	69550
50°	63350
55°	55482
60°	46290
65°	36333
70°	25373
75°	13746
80°	2589
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	5.8
10°-20°	565.6	14.8
20°-30°	721.3	18.9
30°-40°	748.0	19.6
40°-50°	689.3	18.0
50°-60°	518.5	13.6
60°-70°	279.9	7.3
70°-80°	75.1	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°	1509.2	39.5
0°-40°	2257.2	59.1
0°-60°	3465.0	90.7
0°-90°	3821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3821.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2411	
5°	2375	222
15°	2018	566
25°	1567	721
35°	1194	748
45°	897	689
55°	580	518
65°	280	280
75°	65	75
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2411.2
2.5°	2403.2
5°	2374.7
7.5°	2321.9
10°	2228.5
12.5°	2135.2
15°	2017.5
17.5°	1907.9
20°	1794.2
22.5°	1676.5
25°	1566.9
27.5°	1461.4
30°	1363.9
32.5°	1274.6
35°	1193.5
37.5°	1116.3
40°	1043.2
42.5°	966.2
45°	897.1
47.5°	820.0
50°	742.8
52.5°	661.7
55°	580.5
57.5°	499.3
60°	422.2
62.5°	349.1
65°	280.1
67.5°	215.2
70°	158.3
72.5°	109.6
75°	64.9
77.5°	28.4
80°	8.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)