

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: P684778

Luminaire Tested: **LX6C100D010 EX61009035 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684778
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: LX6C100D010 EX61009035 6LBSLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

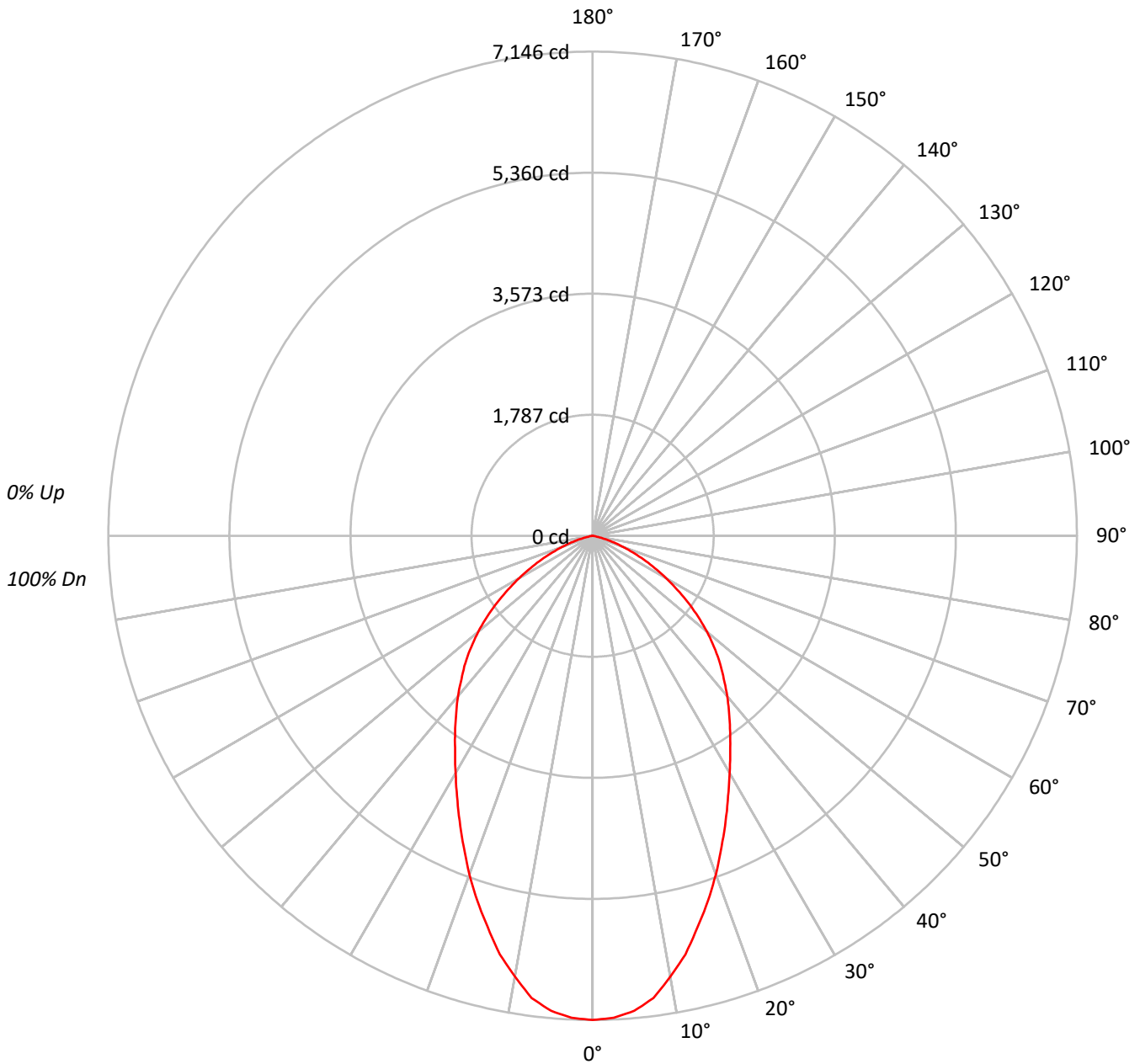
Lumens per Lamp: N/A
Luminaire Lumens: 11324.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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°	391745
5°	387282
10°	367645
15°	339332
20°	310209
25°	280891
30°	255875
35°	236707
40°	221250
45°	206114
50°	187755
55°	164419
60°	137171
65°	107664
70°	75205
75°	40752
80°	7640
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.5	5.8
10°-20°	1676.4	14.8
20°-30°	2137.7	18.9
30°-40°	2216.9	19.6
40°-50°	2042.7	18.0
50°-60°	1536.6	13.6
60°-70°	829.4	7.3
70°-80°	222.5	2.0
80°-90°	3.3	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°	4472.6	39.5
0°-40°	6689.5	59.1
0°-60°	10268.8	90.7
0°-90°	11324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11324.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7146	
5°	7038	658
15°	5979	1676
25°	4644	2138
35°	3537	2217
45°	2659	2043
55°	1720	1537
65°	830	829
75°	192	223
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7146.0
2.5°	7122.1
5°	7037.7
7.5°	6881.3
10°	6604.5
12.5°	6328.0
15°	5979.0
17.5°	5654.4
20°	5317.4
22.5°	4968.6
25°	4643.8
27.5°	4331.0
30°	4042.2
32.5°	3777.5
35°	3537.0
37.5°	3308.3
40°	3091.7
42.5°	2863.3
45°	2658.6
47.5°	2430.2
50°	2201.5
52.5°	1961.0
55°	1720.3
57.5°	1479.8
60°	1251.1
62.5°	1034.5
65°	830.0
67.5°	637.6
70°	469.2
72.5°	324.9
75°	192.4
77.5°	84.1
80°	24.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)