

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: P684803

Luminaire Tested: **LX6C120D010 EX61209035 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684803
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: LX6C120D010 EX61209035 6LBSLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

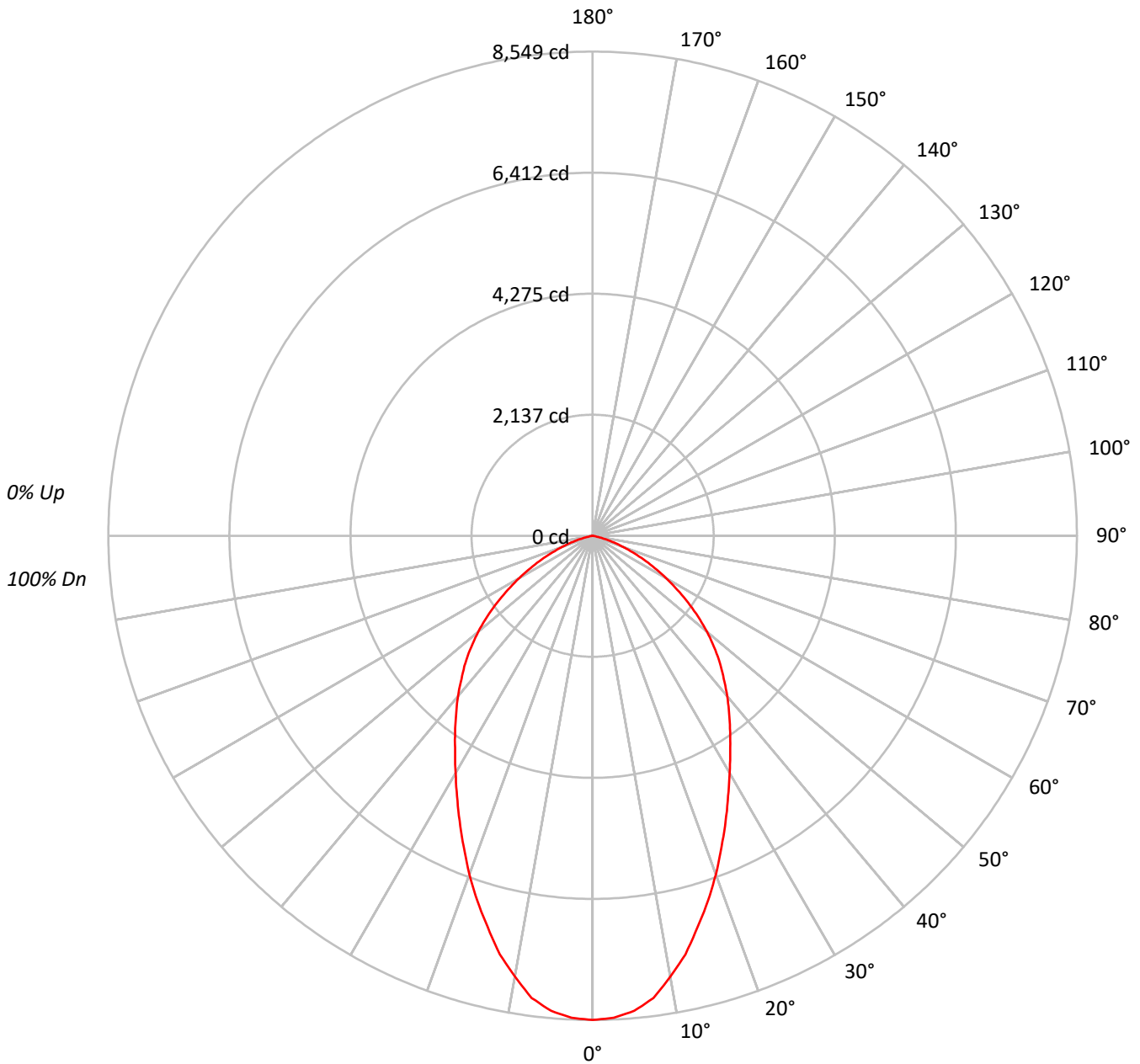
Lumens per Lamp: N/A
Luminaire Lumens: 13547.0 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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°	468647
5°	463310
10°	439822
15°	405944
20°	371108
25°	336032
30°	306104
35°	283172
40°	264689
45°	246576
50°	224615
55°	196696
60°	164099
65°	128808
70°	89967
75°	48758
80°	9124
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.8	5.8
10°-20°	2005.5	14.8
20°-30°	2557.4	18.9
30°-40°	2652.1	19.6
40°-50°	2443.7	18.0
50°-60°	1838.2	13.6
60°-70°	992.2	7.3
70°-80°	266.2	2.0
80°-90°	3.9	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°	5350.6	39.5
0°-40°	8002.7	59.1
0°-60°	12284.7	90.7
0°-90°	13547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13547.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8549	
5°	8419	788
15°	7153	2005
25°	5555	2557
35°	4231	2652
45°	3180	2444
55°	2058	1838
65°	993	992
75°	230	266
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8548.8
2.5°	8520.2
5°	8419.3
7.5°	8232.2
10°	7901.1
12.5°	7570.3
15°	7152.7
17.5°	6764.4
20°	6361.3
22.5°	5944.0
25°	5555.4
27.5°	5181.2
30°	4835.7
32.5°	4519.0
35°	4231.3
37.5°	3957.8
40°	3698.7
42.5°	3425.4
45°	3180.5
47.5°	2907.2
50°	2633.7
52.5°	2346.0
55°	2058.0
57.5°	1770.3
60°	1496.7
62.5°	1237.6
65°	993.0
67.5°	762.8
70°	561.3
72.5°	388.6
75°	230.2
77.5°	100.6
80°	28.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)