

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: P684813

Luminaire Tested: **LX6C120D010 EX61209050 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684813
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 EX61209050 6LBSLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

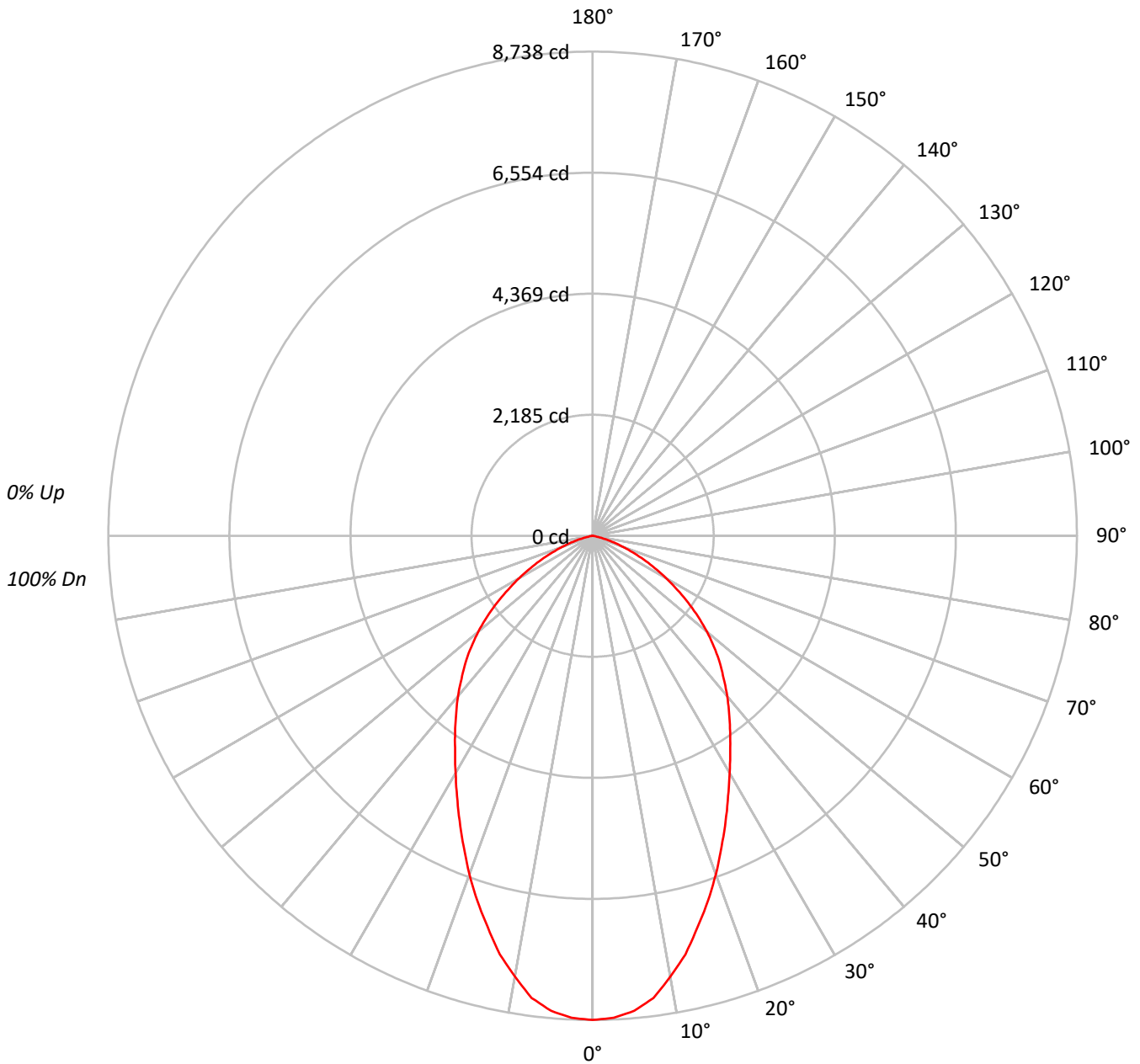
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13846.0 lumens
Efficiency: N/A
Efficacy: 97.3 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°	478991
5°	473535
10°	449530
15°	414906
20°	379299
25°	343447
30°	312858
35°	289422
40°	270528
45°	252018
50°	229570
55°	201035
60°	167717
65°	131648
70°	91955
75°	49817
80°	9345
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	805.2	5.8
10°-20°	2049.7	14.8
20°-30°	2613.8	18.9
30°-40°	2710.6	19.6
40°-50°	2497.7	18.0
50°-60°	1878.8	13.6
60°-70°	1014.1	7.3
70°-80°	272.0	2.0
80°-90°	4.0	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°	5468.7	39.5
0°-40°	8179.4	59.1
0°-60°	12555.8	90.7
0°-90°	13846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13846.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8738	
5°	8605	805
15°	7311	2050
25°	5678	2614
35°	4325	2711
45°	3251	2498
55°	2103	1879
65°	1015	1014
75°	235	272
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8737.5
2.5°	8708.2
5°	8605.1
7.5°	8413.9
10°	8075.5
12.5°	7737.4
15°	7310.6
17.5°	6913.7
20°	6501.7
22.5°	6075.2
25°	5678.0
27.5°	5295.6
30°	4942.4
32.5°	4618.8
35°	4324.7
37.5°	4045.1
40°	3780.3
42.5°	3501.0
45°	3250.7
47.5°	2971.4
50°	2691.8
52.5°	2397.8
55°	2103.4
57.5°	1809.3
60°	1529.7
62.5°	1264.9
65°	1014.9
67.5°	779.7
70°	573.7
72.5°	397.2
75°	235.2
77.5°	102.8
80°	29.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)