

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: P685264

Luminaire Tested: **LX6C90D010 EX6909027 6LBSLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P685264  
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: LX6C90D010 EX6909027 6LBSLI  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

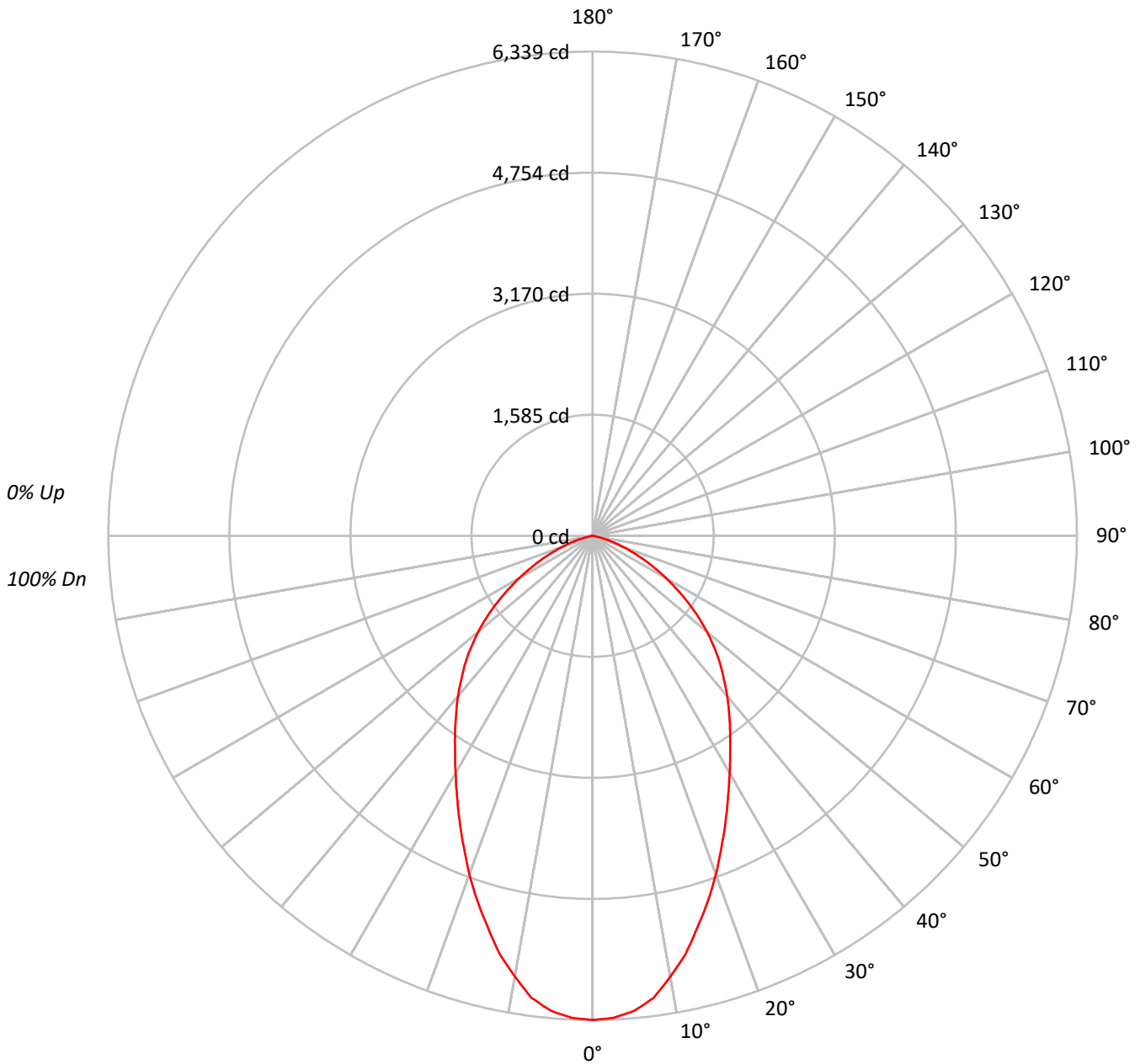
Lumens per Lamp: N/A  
Luminaire Lumens: 10045.0 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 97.1  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°	347500
5°	343539
10°	326124
15°	301006
20°	275171
25°	249166
30°	226972
35°	209971
40°	196261
45°	182833
50°	166553
55°	145849
60°	121679
65°	95510
70°	66710
75°	36156
80°	6756
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	584.1	5.8
10°-20°	1487.0	14.8
20°-30°	1896.3	18.9
30°-40°	1966.5	19.6
40°-50°	1812.0	18.0
50°-60°	1363.0	13.6
60°-70°	735.7	7.3
70°-80°	197.4	2.0
80°-90°	2.9	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°	3967.4	39.5
0°-40°	5934.0	59.1
0°-60°	9109.0	90.7
0°-90°	10045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10045.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6339	
5°	6243	584
15°	5304	1487
25°	4119	1896
35°	3138	1967
45°	2358	1812
55°	1526	1363
65°	736	736
75°	171	197
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6338.9
2.5°	6317.7
5°	6242.8
7.5°	6104.1
10°	5858.6
12.5°	5613.3
15°	5303.7
17.5°	5015.7
20°	4716.8
22.5°	4407.5
25°	4119.3
27.5°	3841.8
30°	3585.6
32.5°	3350.8
35°	3137.5
37.5°	2934.7
40°	2742.5
42.5°	2539.9
45°	2358.3
47.5°	2155.7
50°	1952.9
52.5°	1739.5
55°	1526.0
57.5°	1312.6
60°	1109.8
62.5°	917.7
65°	736.3
67.5°	565.6
70°	416.2
72.5°	288.2
75°	170.7
77.5°	74.6
80°	21.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)