

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: P684939

Luminaire Tested: **LX6C30D010 EX6309027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684939
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: LX6C30D010 EX6309027 6LBSLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

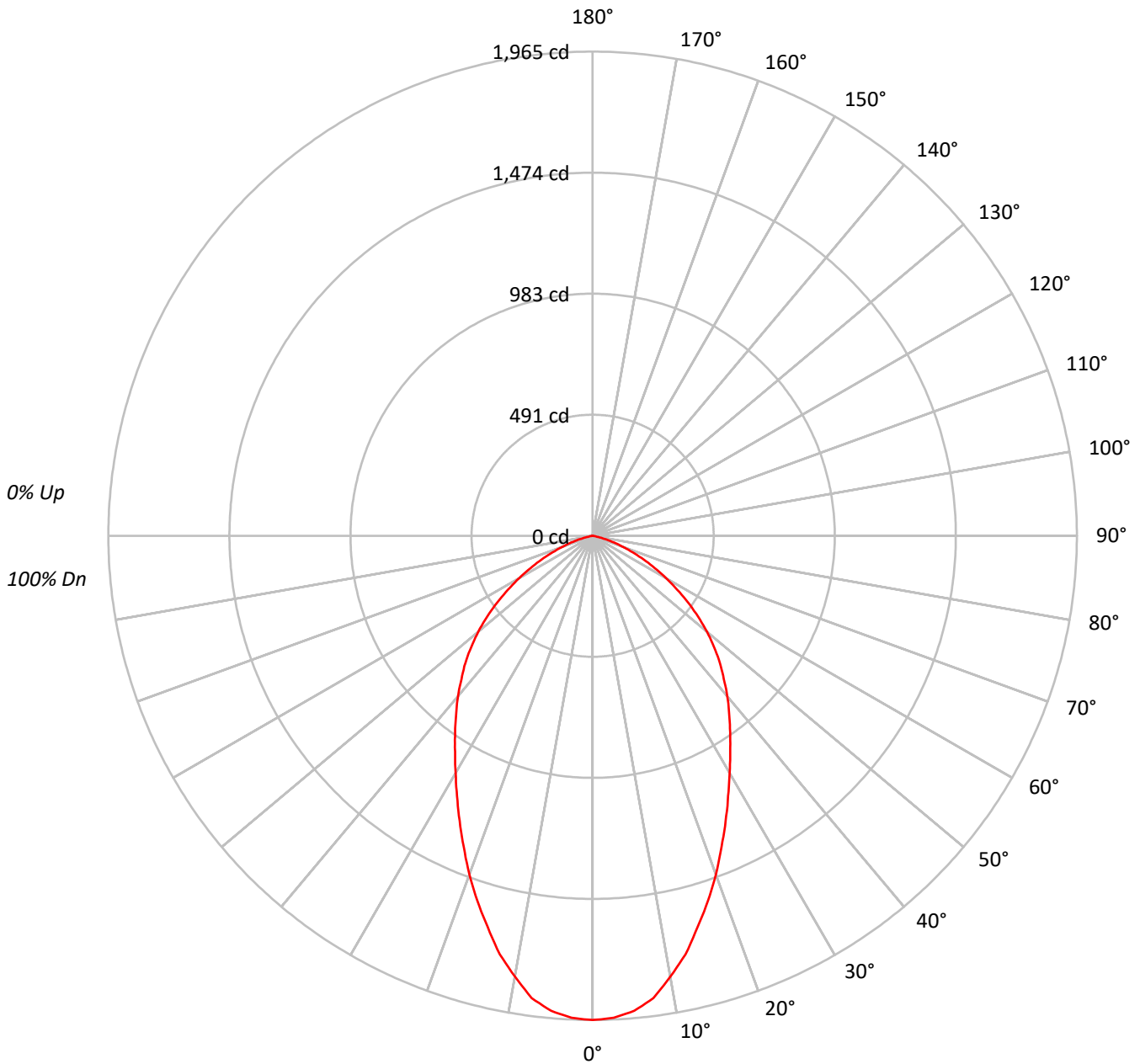
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3114.0 lumens
Efficiency: N/A
Efficacy: 98.5 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): 31.6
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°	107727
5°	106499
10°	101100
15°	93315
20°	85302
25°	77242
30°	70365
35°	65089
40°	60843
45°	56680
50°	51632
55°	45217
60°	37716
65°	29614
70°	20677
75°	11205
80°	2084
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	5.8
10°-20°	461.0	14.8
20°-30°	587.9	18.9
30°-40°	609.6	19.6
40°-50°	561.7	18.0
50°-60°	422.6	13.6
60°-70°	228.1	7.3
70°-80°	61.2	2.0
80°-90°	0.9	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°	1229.9	39.5
0°-40°	1839.6	59.1
0°-60°	2823.9	90.7
0°-90°	3114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3114.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1965	
5°	1935	181
15°	1644	461
25°	1277	588
35°	973	610
45°	731	562
55°	473	423
65°	228	228
75°	53	61
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1965.1
2.5°	1958.5
5°	1935.3
7.5°	1892.3
10°	1816.2
12.5°	1740.2
15°	1644.2
17.5°	1554.9
20°	1462.2
22.5°	1366.3
25°	1277.0
27.5°	1191.0
30°	1111.6
32.5°	1038.8
35°	972.6
37.5°	909.8
40°	850.2
42.5°	787.4
45°	731.1
47.5°	668.3
50°	605.4
52.5°	539.3
55°	473.1
57.5°	406.9
60°	344.0
62.5°	284.5
65°	228.3
67.5°	175.3
70°	129.0
72.5°	89.3
75°	52.9
77.5°	23.1
80°	6.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)