

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: P684959

Luminaire Tested: **LX6C30D010 EX6309050 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684959
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 EX6309050 6LBSLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

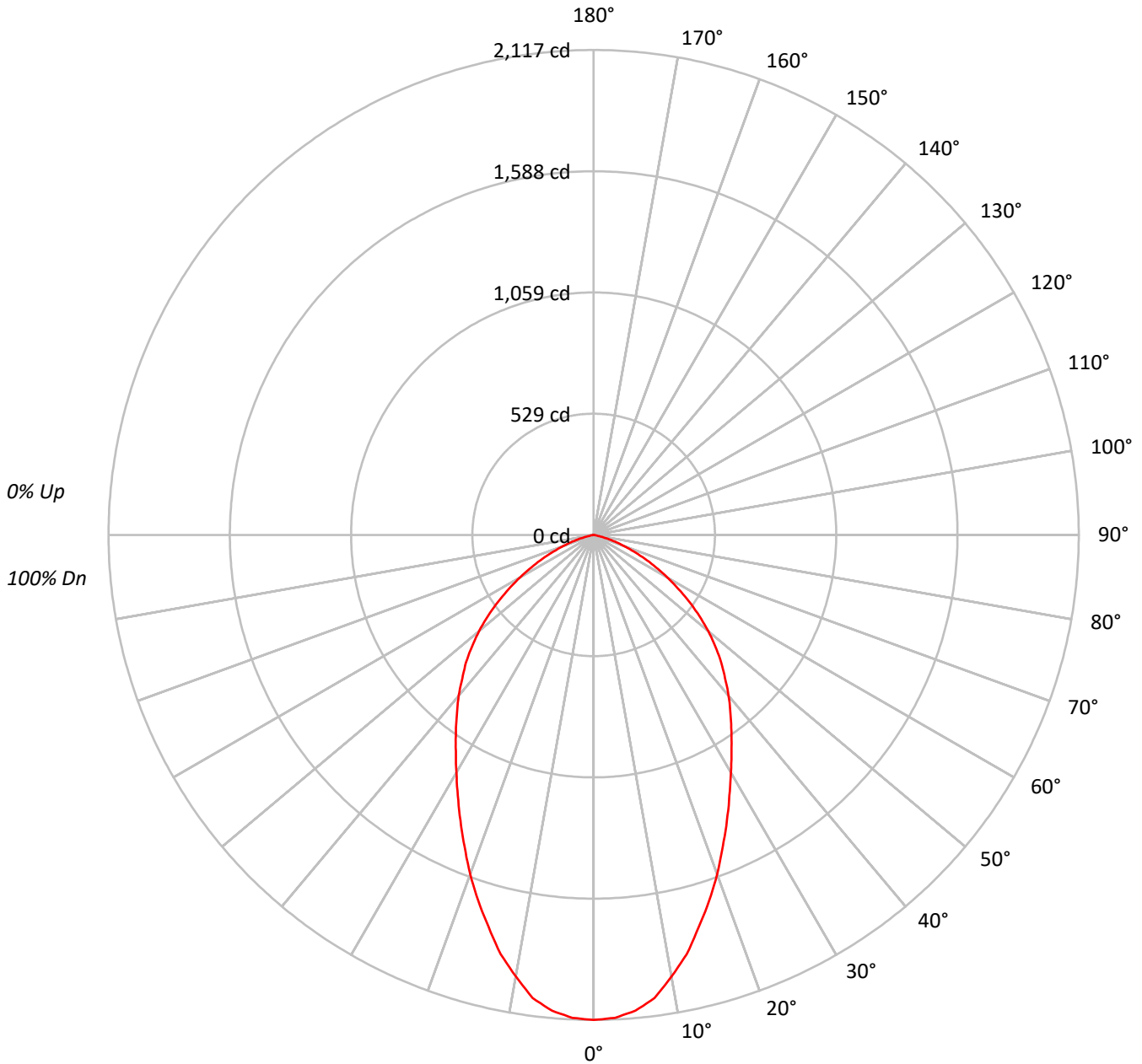
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3355.0 lumens
Efficiency: N/A
Efficacy: 106.2 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): 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			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°	116065
5°	114742
10°	108921
15°	100534
20°	91906
25°	83219
30°	75809
35°	70129
40°	65551
45°	61068
50°	55623
55°	48715
60°	40644
65°	31897
70°	22279
75°	12073
80°	2273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	5.8
10°-20°	496.7	14.8
20°-30°	633.4	18.9
30°-40°	656.8	19.6
40°-50°	605.2	18.0
50°-60°	455.2	13.6
60°-70°	245.7	7.3
70°-80°	65.9	2.0
80°-90°	1.0	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°	1325.1	39.5
0°-40°	1981.9	59.1
0°-60°	3042.4	90.7
0°-90°	3355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3355.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2117	
5°	2085	195
15°	1771	497
25°	1376	633
35°	1048	657
45°	788	605
55°	510	455
65°	246	246
75°	57	66
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2117.2
2.5°	2110.1
5°	2085.1
7.5°	2038.7
10°	1956.7
12.5°	1874.8
15°	1771.4
17.5°	1675.2
20°	1575.4
22.5°	1472.1
25°	1375.8
27.5°	1283.2
30°	1197.6
32.5°	1119.2
35°	1047.9
37.5°	980.2
40°	916.0
42.5°	848.3
45°	787.7
47.5°	720.0
50°	652.2
52.5°	581.0
55°	509.7
57.5°	438.4
60°	370.7
62.5°	306.5
65°	245.9
67.5°	188.9
70°	139.0
72.5°	96.2
75°	57.0
77.5°	24.9
80°	7.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)