

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: P685064

Luminaire Tested: **LX6C50D010 EX6509027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685064
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: LX6C50D010 EX6509027 6LBSLI
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

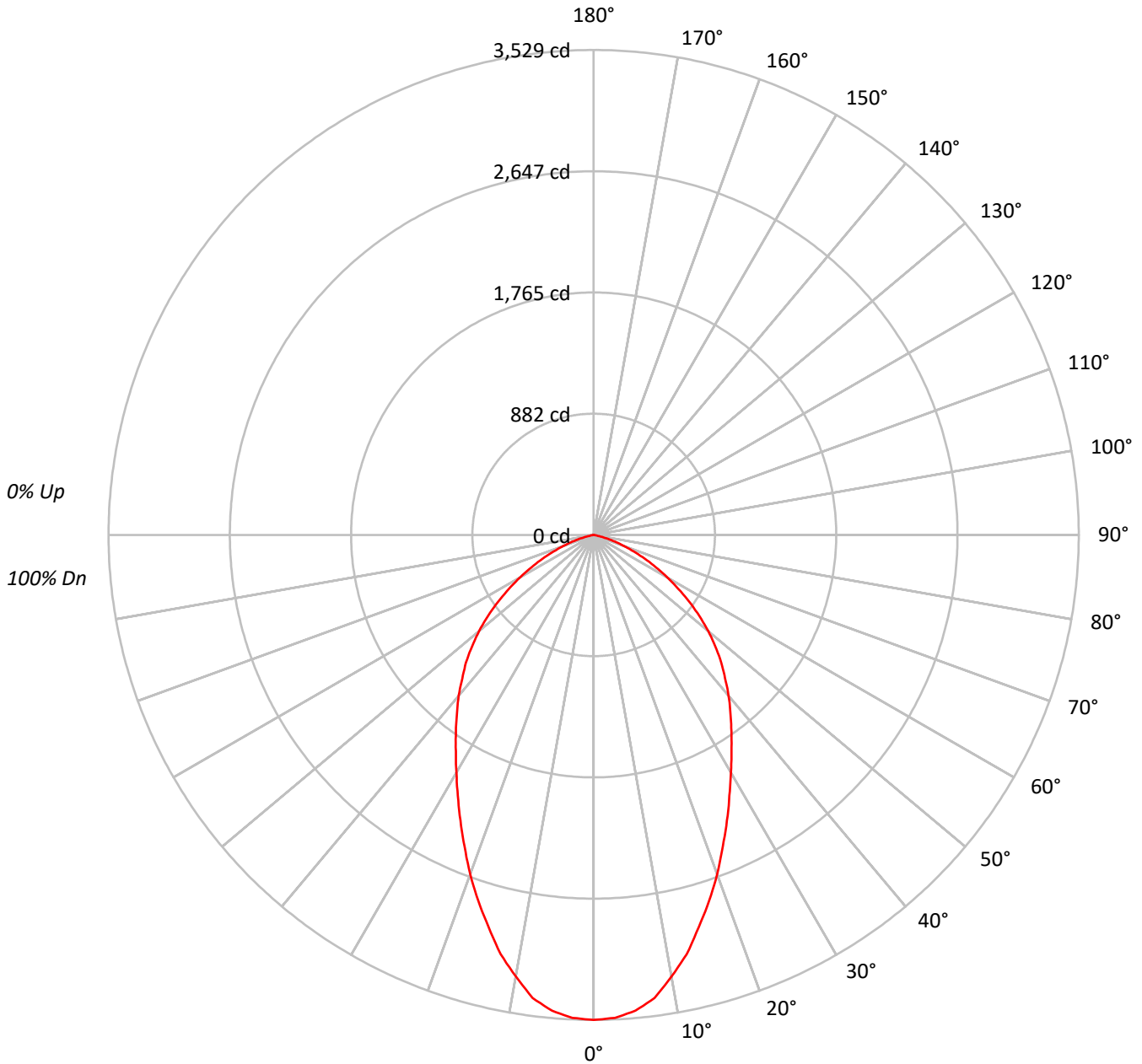
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5593.0 lumens
Efficiency: N/A
Efficacy: 95.8 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): 58.4
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				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°	193482
5°	191283
10°	181582
15°	167600
20°	153214
25°	138734
30°	126374
35°	116908
40°	109276
45°	101801
50°	92730
55°	81201
60°	67747
65°	53183
70°	37138
75°	20122
80°	3757
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	5.8
10°-20°	828.0	14.8
20°-30°	1055.8	18.9
30°-40°	1094.9	19.6
40°-50°	1008.9	18.0
50°-60°	758.9	13.6
60°-70°	409.7	7.3
70°-80°	109.9	2.0
80°-90°	1.6	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°	2209.0	39.5
0°-40°	3304.0	59.1
0°-60°	5071.8	90.7
0°-90°	5593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5593.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3529	
5°	3476	325
15°	2953	828
25°	2294	1056
35°	1747	1095
45°	1313	1009
55°	850	759
65°	410	410
75°	95	110
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3529.4
2.5°	3517.6
5°	3476.0
7.5°	3398.7
10°	3262.0
12.5°	3125.5
15°	2953.1
17.5°	2792.7
20°	2626.3
22.5°	2454.0
25°	2293.6
27.5°	2139.1
30°	1996.4
32.5°	1865.7
35°	1746.9
37.5°	1634.0
40°	1527.0
42.5°	1414.2
45°	1313.1
47.5°	1200.3
50°	1087.3
52.5°	968.6
55°	849.6
57.5°	730.9
60°	617.9
62.5°	511.0
65°	410.0
67.5°	314.9
70°	231.7
72.5°	160.5
75°	95.0
77.5°	41.5
80°	11.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)