

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: P685074

Luminaire Tested: **LX6C50D010 EX6509035 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685074
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 EX6509035 6LBSLI
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

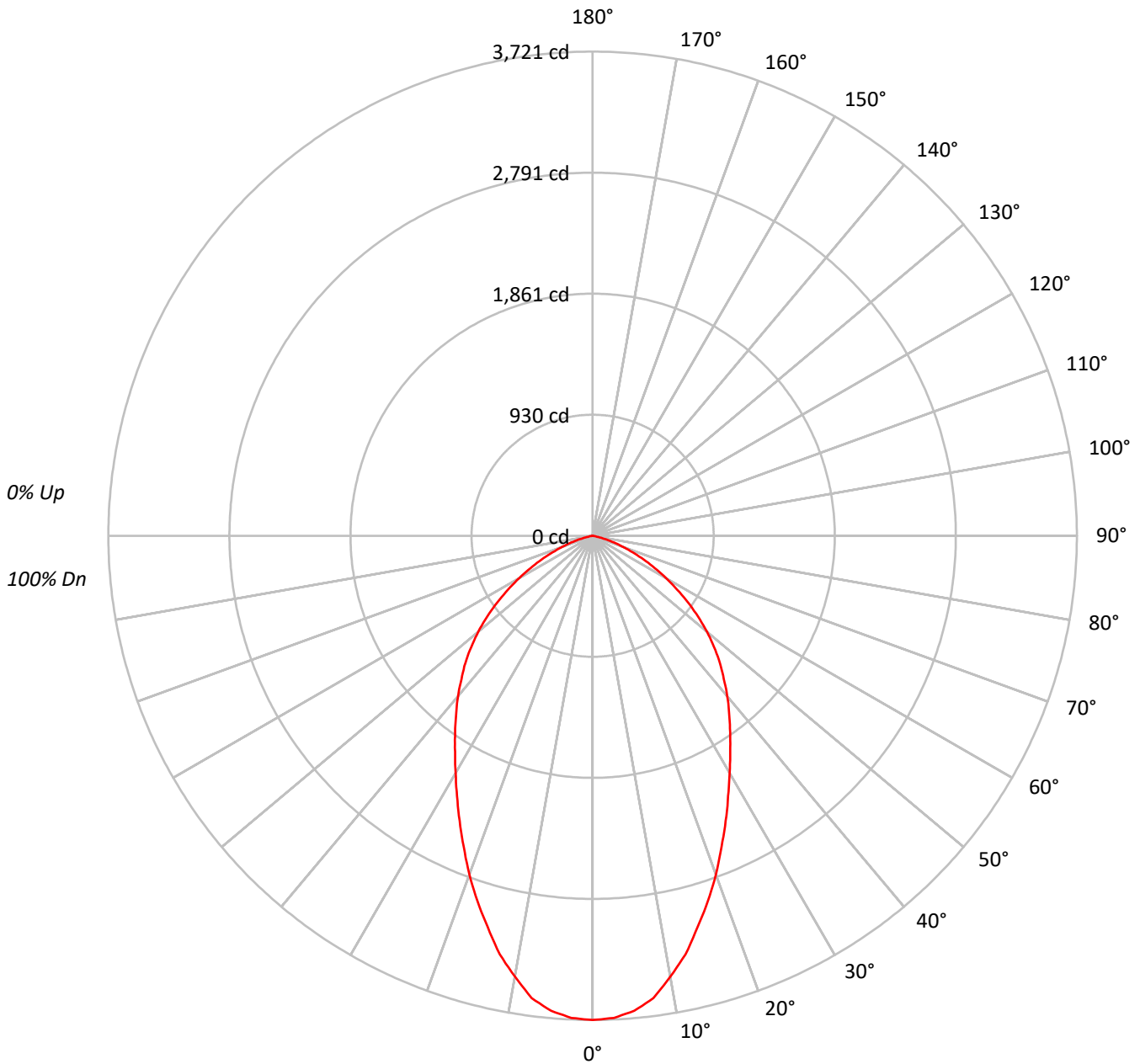
Lumens per Lamp: N/A
Luminaire Lumens: 5897.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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°	204002
5°	201678
10°	191452
15°	176709
20°	161545
25°	146277
30°	133248
35°	123266
40°	115216
45°	107337
50°	97771
55°	85617
60°	71431
65°	56063
70°	39157
75°	21223
80°	3978
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.9	5.8
10°-20°	873.0	14.8
20°-30°	1113.2	18.9
30°-40°	1154.5	19.6
40°-50°	1063.8	18.0
50°-60°	800.2	13.6
60°-70°	431.9	7.3
70°-80°	115.9	2.0
80°-90°	1.7	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°	2329.1	39.5
0°-40°	3483.6	59.1
0°-60°	5347.5	90.7
0°-90°	5897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5897.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3721	
5°	3665	343
15°	3114	873
25°	2418	1113
35°	1842	1154
45°	1384	1064
55°	896	800
65°	432	432
75°	100	116
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3721.3
2.5°	3708.8
5°	3664.9
7.5°	3583.5
10°	3439.3
12.5°	3295.3
15°	3113.6
17.5°	2944.5
20°	2769.1
22.5°	2587.4
25°	2418.3
27.5°	2255.4
30°	2105.0
32.5°	1967.1
35°	1841.9
37.5°	1722.8
40°	1610.0
42.5°	1491.1
45°	1384.5
47.5°	1265.5
50°	1146.4
52.5°	1021.2
55°	895.8
57.5°	770.6
60°	651.5
62.5°	538.7
65°	432.2
67.5°	332.1
70°	244.3
72.5°	169.2
75°	100.2
77.5°	43.8
80°	12.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)