

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: P684818

Luminaire Tested: **LX6C130D010 EX61309027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684818
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: LX6C130D010 EX61309027 6LBSLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

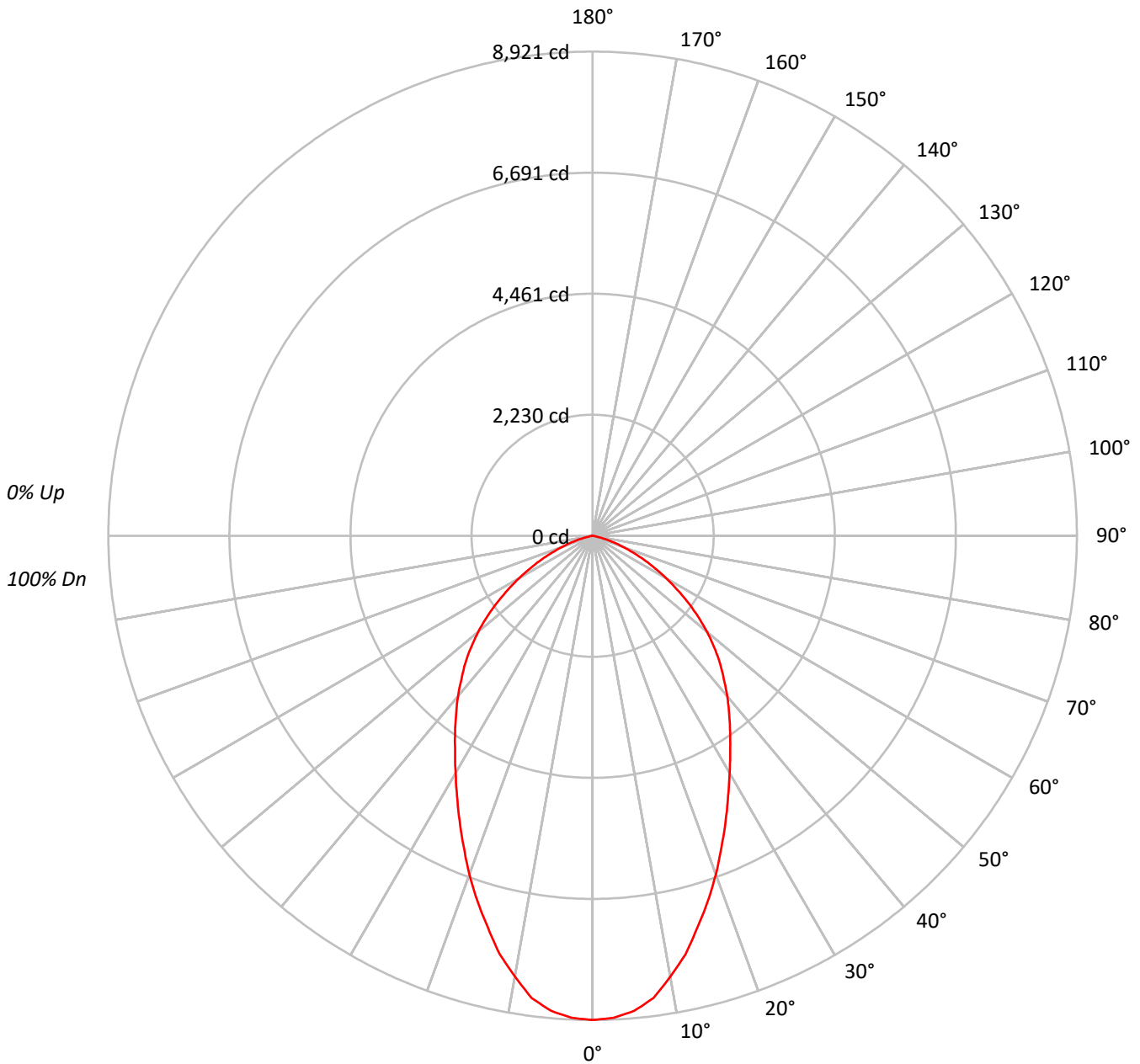
Lumens per Lamp: N/A
Luminaire Lumens: 14137.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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°	489056
5°	483484
10°	458976
15°	423623
20°	387268
25°	350663
30°	319435
35°	295506
40°	276218
45°	257314
50°	234397
55°	205259
60°	171247
65°	134411
70°	93878
75°	50876
80°	9534
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.1	5.8
10°-20°	2092.8	14.8
20°-30°	2668.8	18.9
30°-40°	2767.6	19.6
40°-50°	2550.2	18.0
50°-60°	1918.3	13.6
60°-70°	1035.4	7.3
70°-80°	277.8	2.0
80°-90°	4.1	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°	5583.6	39.5
0°-40°	8351.3	59.1
0°-60°	12819.7	90.7
0°-90°	14137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14137.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8921	
5°	8786	822
15°	7464	2093
25°	5797	2669
35°	4416	2768
45°	3319	2550
55°	2148	1918
65°	1036	1035
75°	240	278
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8921.1
2.5°	8891.3
5°	8785.9
7.5°	8590.7
10°	8245.2
12.5°	7900.0
15°	7464.2
17.5°	7059.0
20°	6638.3
22.5°	6202.9
25°	5797.3
27.5°	5406.9
30°	5046.3
32.5°	4715.8
35°	4415.6
37.5°	4130.1
40°	3859.8
42.5°	3574.6
45°	3319.0
47.5°	3033.9
50°	2748.4
52.5°	2448.2
55°	2147.6
57.5°	1847.4
60°	1561.9
62.5°	1291.5
65°	1036.2
67.5°	796.0
70°	585.7
72.5°	405.6
75°	240.2
77.5°	105.0
80°	30.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)