

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: P684828

Luminaire Tested: **LX6C130D010 EX61309035 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684828
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 EX61309035 6LBSLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

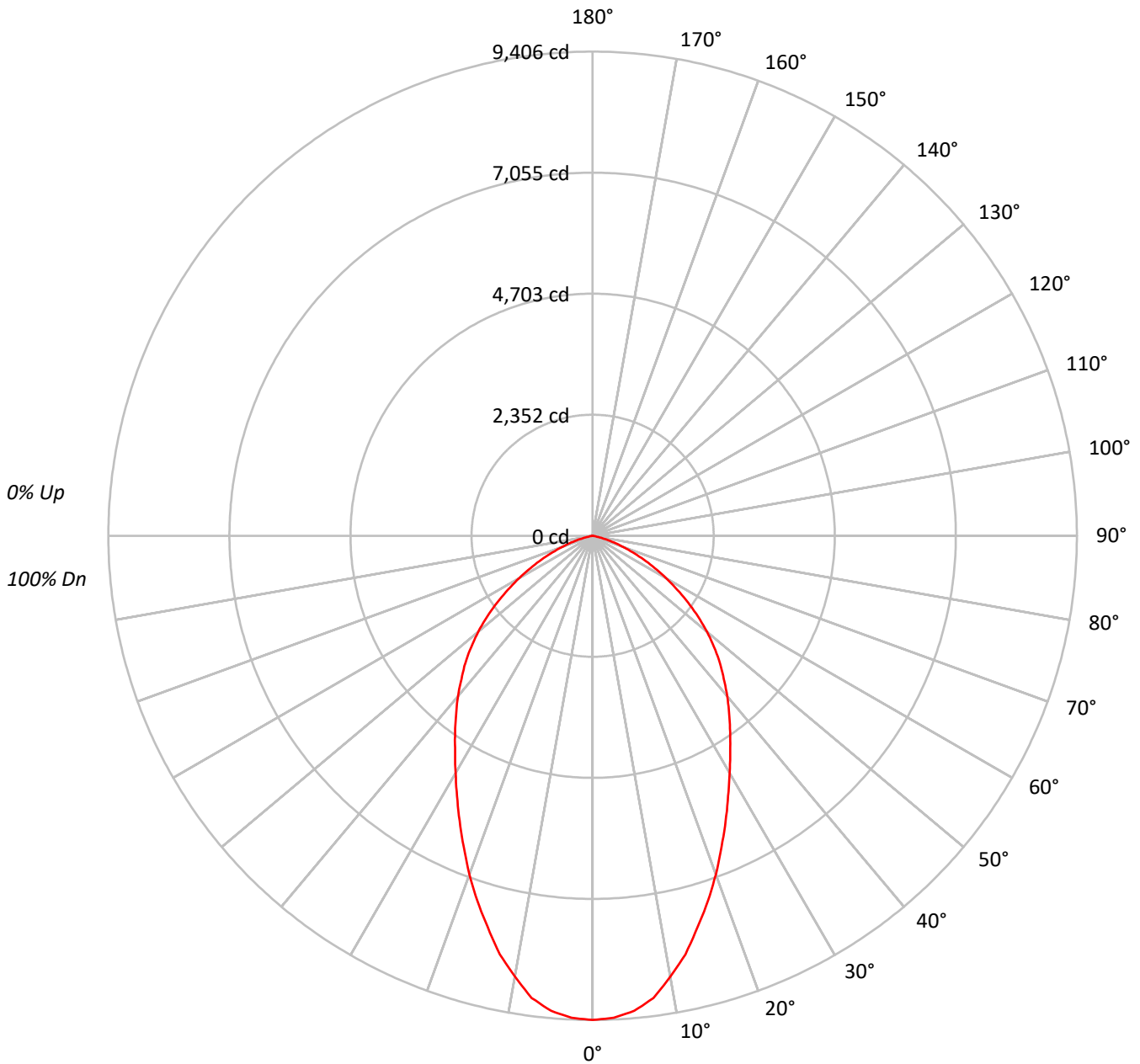
Lumens per Lamp: N/A
Luminaire Lumens: 14905.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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°	515628
5°	509750
10°	483909
15°	446637
20°	408311
25°	369717
30°	336786
35°	311560
40°	291217
45°	271292
50°	247130
55°	216413
60°	180545
65°	141714
70°	98975
75°	53630
80°	10039
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.7	5.8
10°-20°	2206.5	14.8
20°-30°	2813.8	18.9
30°-40°	2918.0	19.6
40°-50°	2688.7	18.0
50°-60°	2022.5	13.6
60°-70°	1091.7	7.3
70°-80°	292.8	2.0
80°-90°	4.3	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°	5887.0	39.5
0°-40°	8805.0	59.1
0°-60°	13516.2	90.7
0°-90°	14905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14905.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9406	
5°	9263	867
15°	7870	2207
25°	6112	2814
35°	4656	2918
45°	3499	2689
55°	2264	2023
65°	1092	1092
75°	253	293
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9405.8
2.5°	9374.3
5°	9263.2
7.5°	9057.4
10°	8693.1
12.5°	8329.2
15°	7869.7
17.5°	7442.5
20°	6999.0
22.5°	6539.9
25°	6112.3
27.5°	5700.6
30°	5320.4
32.5°	4972.0
35°	4655.5
37.5°	4354.5
40°	4069.4
42.5°	3768.8
45°	3499.3
47.5°	3198.7
50°	2897.7
52.5°	2581.2
55°	2264.3
57.5°	1947.7
60°	1646.7
62.5°	1361.7
65°	1092.5
67.5°	839.3
70°	617.5
72.5°	427.6
75°	253.2
77.5°	110.7
80°	31.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)