

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: P684838

Luminaire Tested: **LX6C130D010 EX61309050 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684838
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 EX61309050 6LBSLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

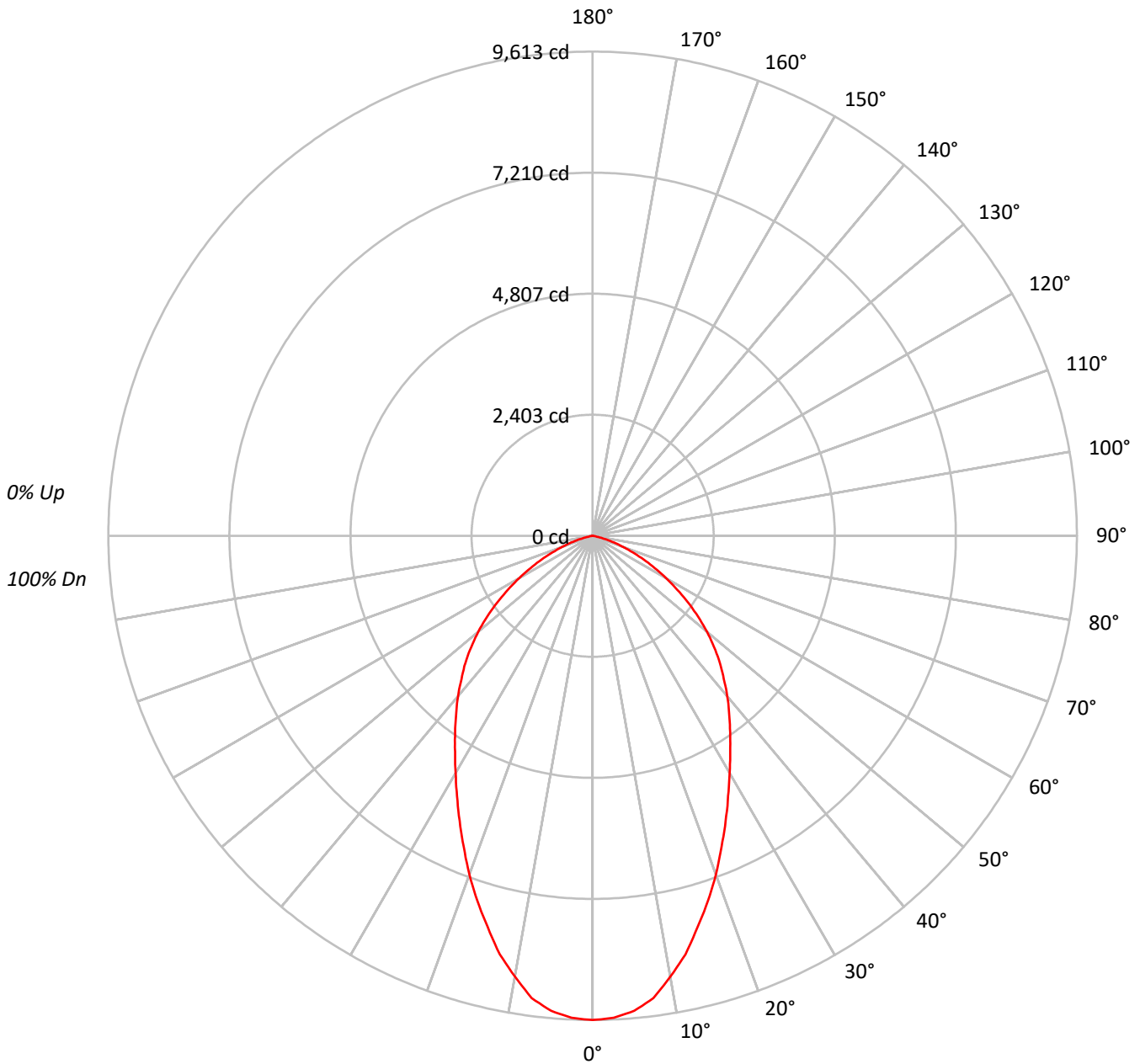
Lumens per Lamp: N/A
Luminaire Lumens: 15234.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	527008
5°	521003
10°	494591
15°	456495
20°	417324
25°	377877
30°	344218
35°	318433
40°	297651
45°	277285
50°	252589
55°	221182
60°	184536
65°	144840
70°	101171
75°	54816
80°	10260
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.9	5.8
10°-20°	2255.2	14.8
20°-30°	2875.9	18.9
30°-40°	2982.4	19.6
40°-50°	2748.1	18.0
50°-60°	2067.1	13.6
60°-70°	1115.8	7.3
70°-80°	299.3	2.0
80°-90°	4.4	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°	6016.9	39.5
0°-40°	8999.3	59.1
0°-60°	13814.5	90.7
0°-90°	15234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15234.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9613	
5°	9468	886
15°	8043	2255
25°	6247	2876
35°	4758	2982
45°	3577	2748
55°	2314	2067
65°	1117	1116
75°	259	299
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9613.4
2.5°	9581.2
5°	9467.7
7.5°	9257.3
10°	8885.0
12.5°	8513.0
15°	8043.4
17.5°	7606.8
20°	7153.5
22.5°	6684.2
25°	6247.2
27.5°	5826.4
30°	5437.8
32.5°	5081.8
35°	4758.2
37.5°	4450.6
40°	4159.3
42.5°	3852.0
45°	3576.6
47.5°	3269.3
50°	2961.7
52.5°	2638.1
55°	2314.2
57.5°	1990.7
60°	1683.1
62.5°	1391.7
65°	1116.6
67.5°	857.8
70°	631.2
72.5°	437.0
75°	258.8
77.5°	113.1
80°	32.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)