

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: P684831

Luminaire Tested: **LX6C130D010 EX61309040 6LBMLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX61309040 6LBMLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

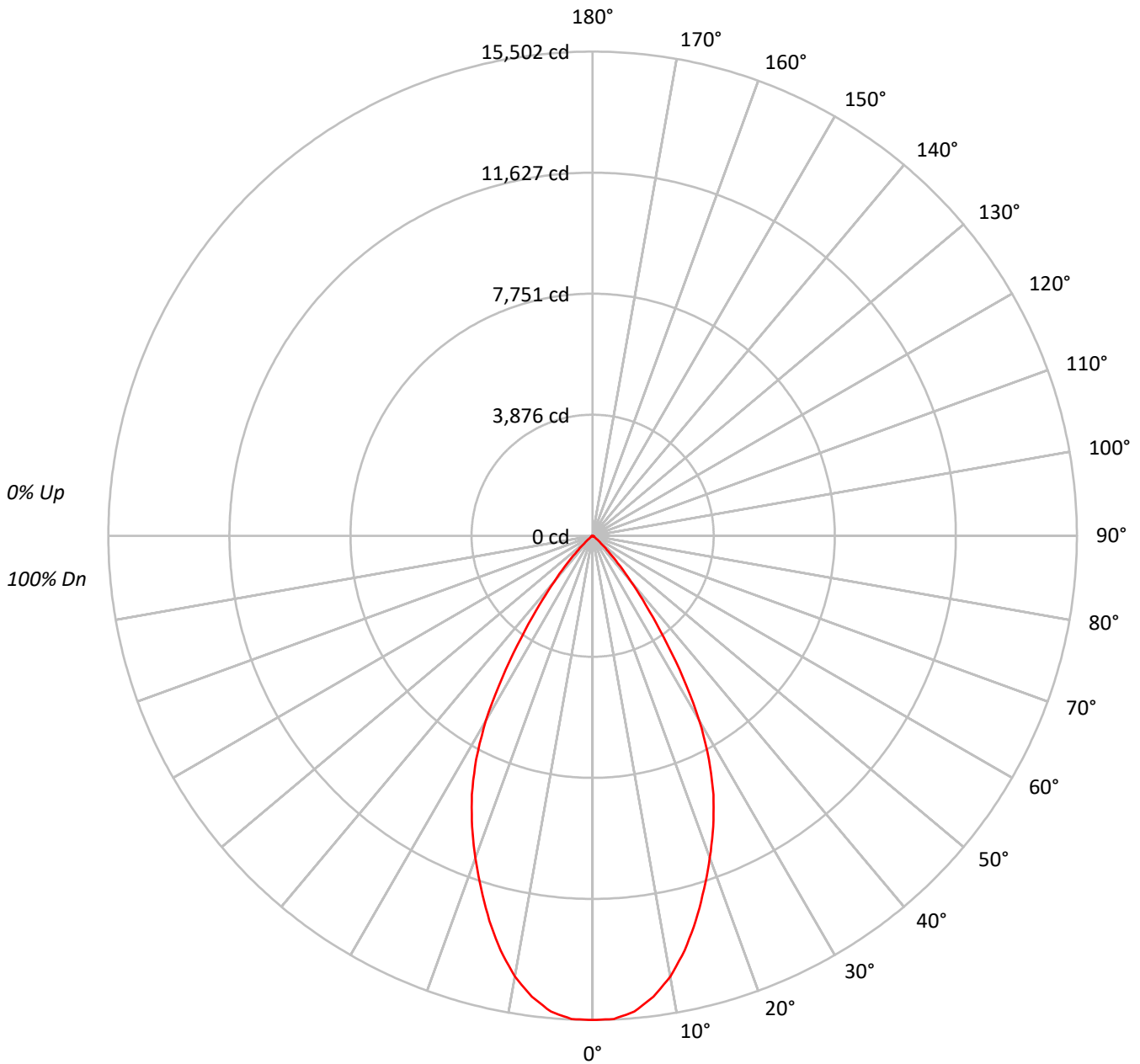
Lumens per Lamp: N/A
Luminaire Lumens: 12387.0 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82		
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71		
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67		
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63		
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	849806
5°	841721
10°	797608
15°	724159
20°	639896
25°	553211
30°	432440
35°	265196
40°	136119
45°	54075
50°	17560
55°	6050
60°	5186
65°	4138
70°	2565
75°	3389
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1428.0	11.5
10°-20°	3555.3	28.7
20°-30°	4132.9	33.4
30°-40°	2530.9	20.4
40°-50°	628.5	5.1
50°-60°	73.4	0.6
60°-70°	27.5	0.2
70°-80°	10.5	0.1
80°-90°	0.0	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°	9116.3	73.6
0°-40°	11647.2	94.0
0°-60°	12349.0	99.7
0°-90°	12387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12387.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15502	
5°	15296	###
15°	12760	3555
25°	9146	4133
35°	3963	2531
45°	698	628
55°	63	73
65°	32	27
75°	16	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15501.7
2.5°	15485.8
5°	15295.8
7.5°	14883.5
10°	14328.5
12.5°	13599.7
15°	12759.6
17.5°	11856.1
20°	10968.7
22.5°	10080.7
25°	9145.9
27.5°	8068.0
30°	6831.5
32.5°	5389.1
35°	3962.7
37.5°	2789.5
40°	1902.1
42.5°	1188.6
45°	697.5
47.5°	396.4
50°	205.9
52.5°	95.2
55°	63.3
57.5°	47.3
60°	47.3
62.5°	31.9
65°	31.9
67.5°	16.0
70°	16.0
72.5°	16.0
75°	16.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)