

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: P684991

Luminaire Tested: **LX6C40D010 EX6409027 6LRMDLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C40D010 EX6409027 6LRMDLI
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

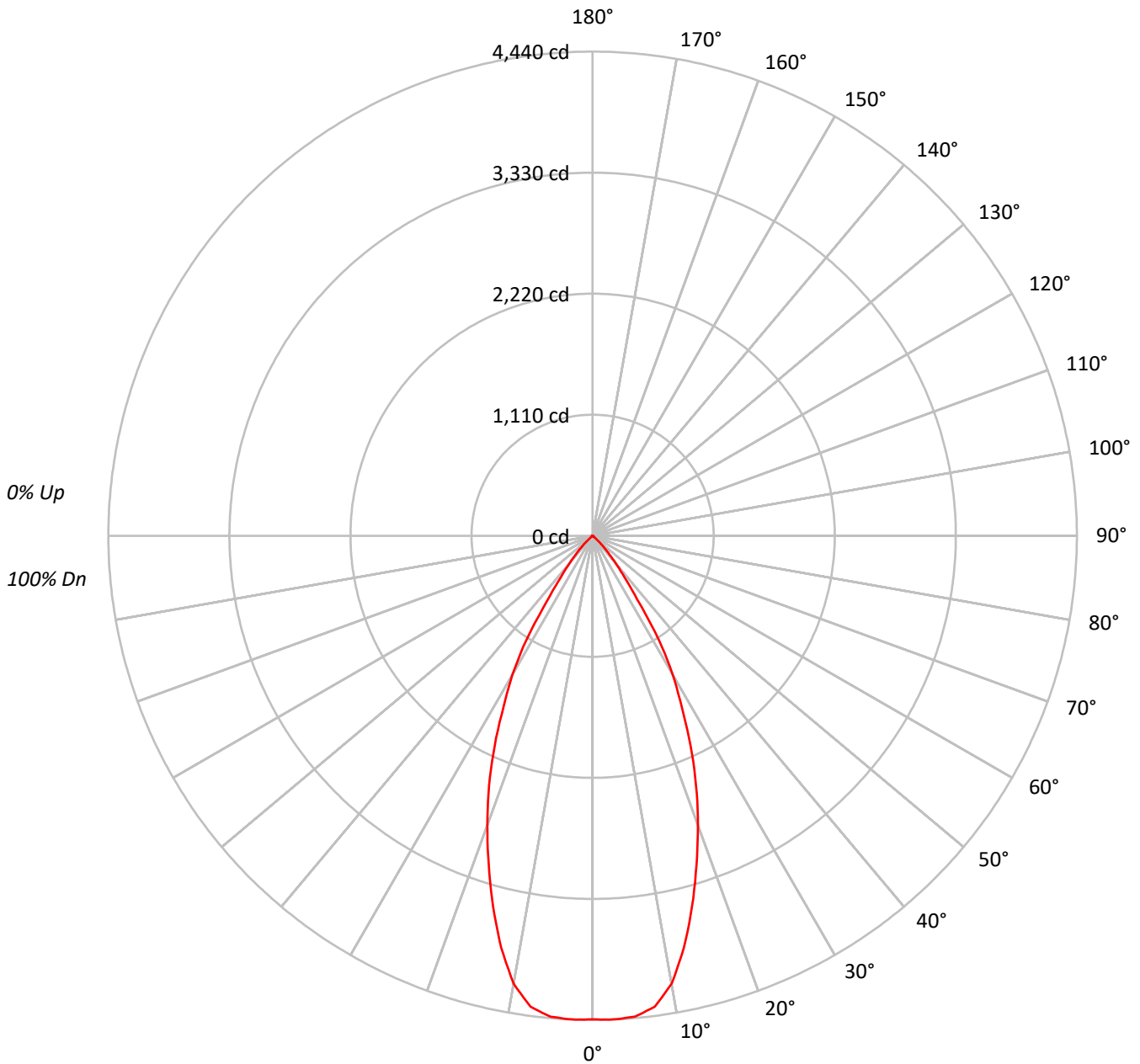
Lumens per Lamp: N/A
Luminaire Lumens: 2969.1 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78			78
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74			74
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70			70
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66			66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62			62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56			56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243106
5°	243572
10°	232121
15°	199871
20°	164654
25°	128608
30°	92881
35°	47569
40°	23193
45°	9637
50°	1757
55°	1023
60°	669
65°	493
70°	369
75°	318
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.9	14.0
10°-20°	976.1	32.9
20°-30°	966.8	32.6
30°-40°	490.1	16.5
40°-50°	105.6	3.6
50°-60°	10.1	0.3
60°-70°	3.9	0.1
70°-80°	1.4	0.0
80°-90°	0.3	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°	2357.7	79.4
0°-40°	2847.8	95.9
0°-60°	2963.4	99.8
0°-90°	2969.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2969.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4435	
5°	4426	415
15°	3522	976
25°	2126	967
35°	711	490
45°	124	106
55°	11	10
65°	4	4
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4434.6
2.5°	4439.9
5°	4426.2
7.5°	4356.8
10°	4169.9
12.5°	3869.5
15°	3521.7
17.5°	3165.6
20°	2822.4
22.5°	2479.2
25°	2126.2
27.5°	1766.2
30°	1467.3
32.5°	1130.2
35°	710.8
37.5°	478.2
40°	324.1
42.5°	209.7
45°	124.3
47.5°	55.7
50°	20.6
52.5°	13.7
55°	10.7
57.5°	7.6
60°	6.1
62.5°	4.6
65°	3.8
67.5°	3.1
70°	2.3
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)