

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: P685281

Luminaire Tested: **LX6C90D010 EX6909040 6LRMDLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685281
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: LX6C90D010 EX6909040 6LRMDLI
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

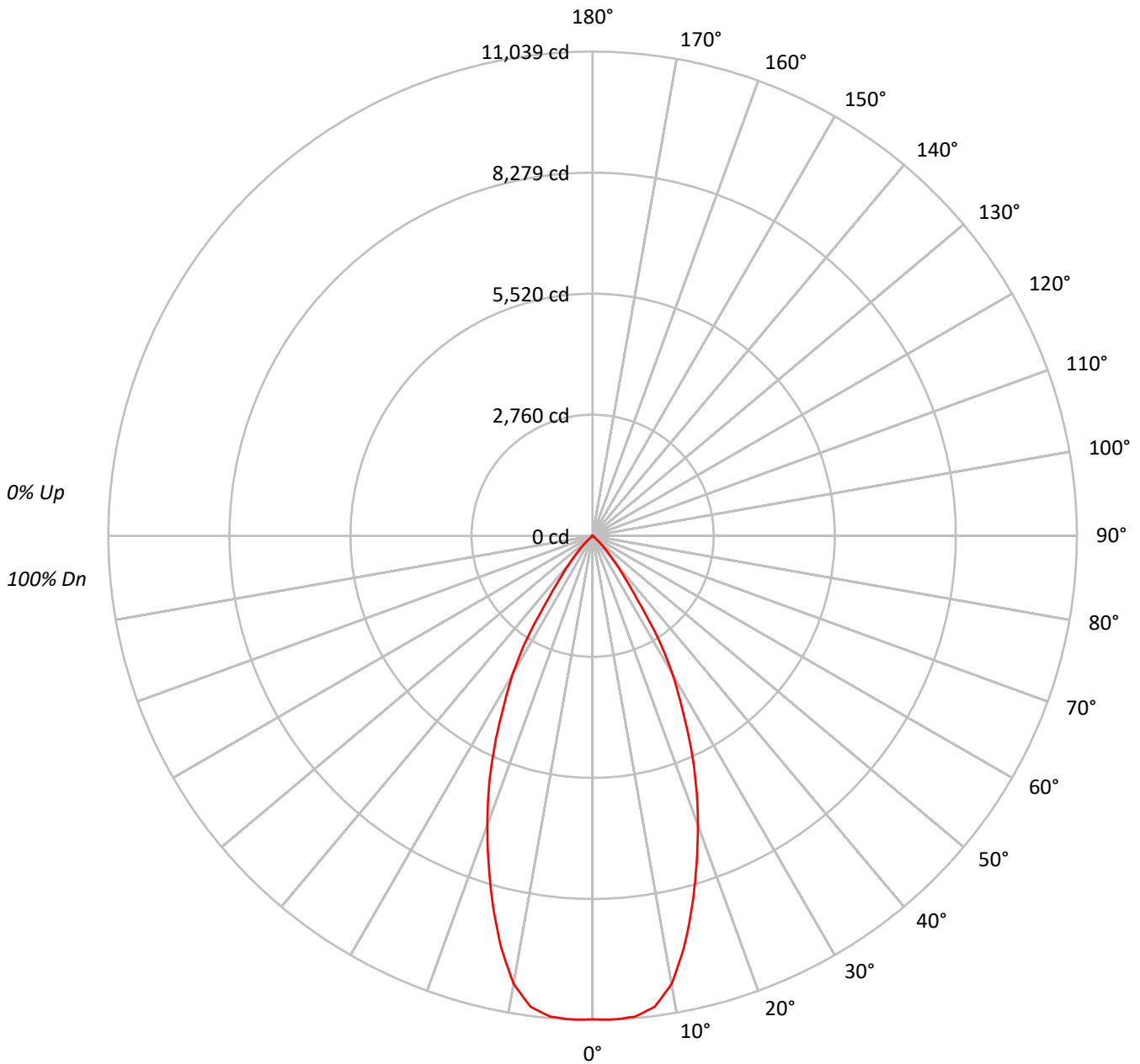
Lumens per Lamp: N/A
Luminaire Lumens: 7382.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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°	604442
5°	605606
10°	577144
15°	496955
20°	409390
25°	319760
30°	230928
35°	118266
40°	57672
45°	23964
50°	4367
55°	2533
60°	1667
65°	1232
70°	914
75°	805
80°	600
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1031.5	14.0
10°-20°	2426.9	32.9
20°-30°	2403.7	32.6
30°-40°	1218.5	16.5
40°-50°	262.5	3.6
50°-60°	25.0	0.3
60°-70°	9.6	0.1
70°-80°	3.5	0.0
80°-90°	0.8	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°	5862.1	79.4
0°-40°	7080.6	95.9
0°-60°	7368.1	99.8
0°-90°	7382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7382.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11026	
5°	11005	###
15°	8756	2427
25°	5286	2404
35°	1767	1218
45°	309	263
55°	26	25
65°	10	10
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11025.9
2.5°	11039.2
5°	11005.1
7.5°	10832.5
10°	10368.0
12.5°	9620.9
15°	8756.3
17.5°	7870.8
20°	7017.5
22.5°	6164.3
25°	5286.4
27.5°	4391.4
30°	3648.1
32.5°	2810.0
35°	1767.2
37.5°	1188.9
40°	805.9
42.5°	521.4
45°	309.1
47.5°	138.4
50°	51.2
52.5°	34.1
55°	26.5
57.5°	19.0
60°	15.2
62.5°	11.4
65°	9.5
67.5°	7.6
70°	5.7
72.5°	3.8
75°	3.8
77.5°	1.9
80°	1.9
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)