

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: P685266

Luminaire Tested: **LX6C90D010 EX6909027 6LRMDLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685266
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 EX6909027 6LRMDLI
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

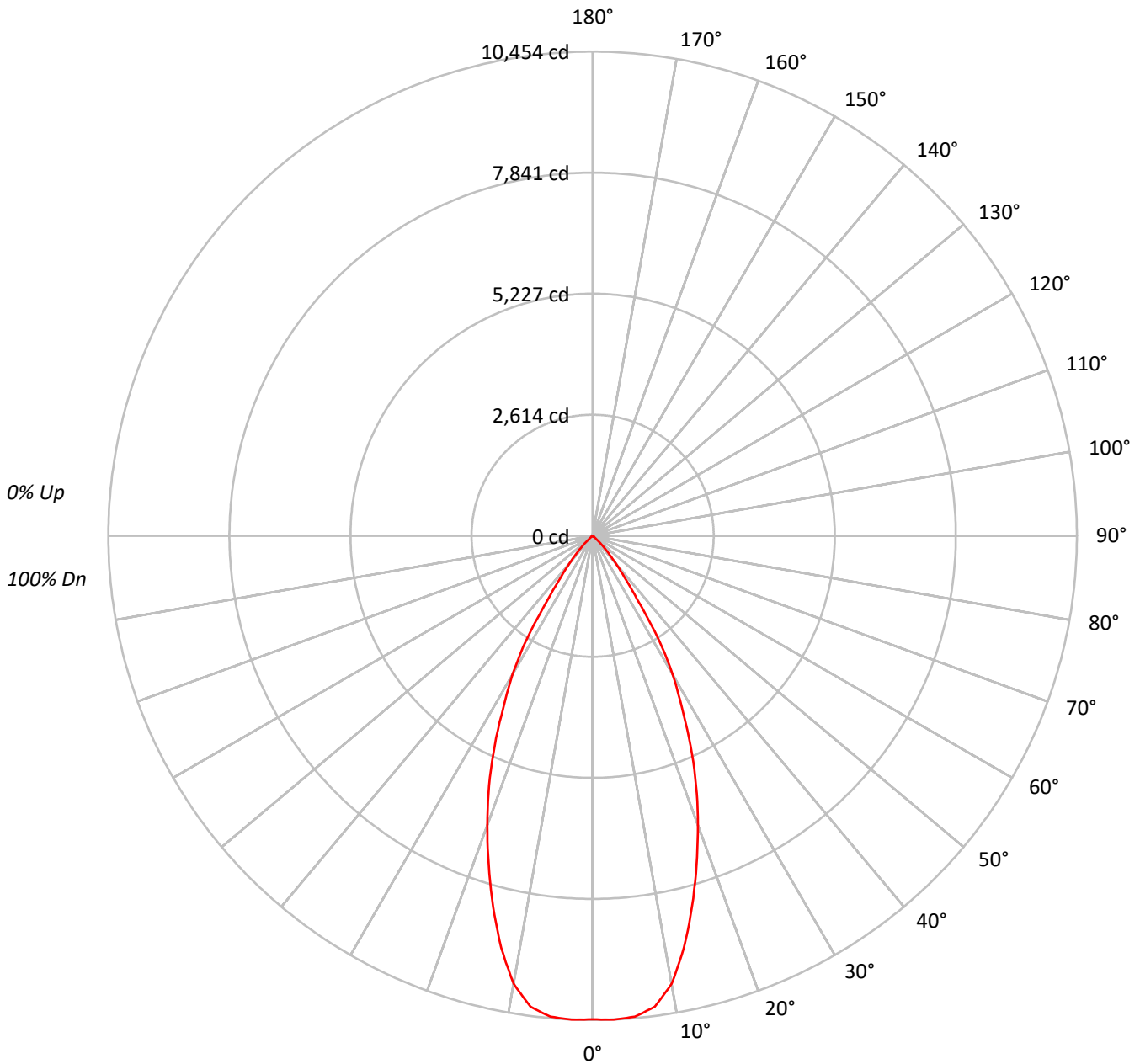
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6991.0 lumens
Efficiency: N/A
Efficacy: 72.0 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	572427
5°	573529
10°	546572
15°	470633
20°	387705
25°	302824
30°	218698
35°	112002
40°	54617
45°	22692
50°	4136
55°	2399
60°	1579
65°	1167
70°	866
75°	763
80°	568
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.9	14.0
10°-20°	2298.4	32.9
20°-30°	2276.4	32.6
30°-40°	1154.0	16.5
40°-50°	248.6	3.6
50°-60°	23.7	0.3
60°-70°	9.1	0.1
70°-80°	3.3	0.0
80°-90°	0.7	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°	5551.6	79.4
0°-40°	6705.6	95.9
0°-60°	6977.9	99.8
0°-90°	6991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6991.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10442	
5°	10422	977
15°	8292	2298
25°	5006	2276
35°	1674	1154
45°	293	249
55°	25	24
65°	9	9
75°	4	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10441.9
2.5°	10454.5
5°	10422.2
7.5°	10258.8
10°	9818.8
12.5°	9111.3
15°	8292.5
17.5°	7453.9
20°	6645.8
22.5°	5837.8
25°	5006.4
27.5°	4158.8
30°	3454.9
32.5°	2661.2
35°	1673.6
37.5°	1125.9
40°	763.2
42.5°	493.8
45°	292.7
47.5°	131.1
50°	48.5
52.5°	32.3
55°	25.1
57.5°	18.0
60°	14.4
62.5°	10.8
65°	9.0
67.5°	7.2
70°	5.4
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)