

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: P685031

Luminaire Tested: **LX6C45D010 EX6459040 6LRMDLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685031
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: LX6C45D010 EX6459040 6LRMDLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

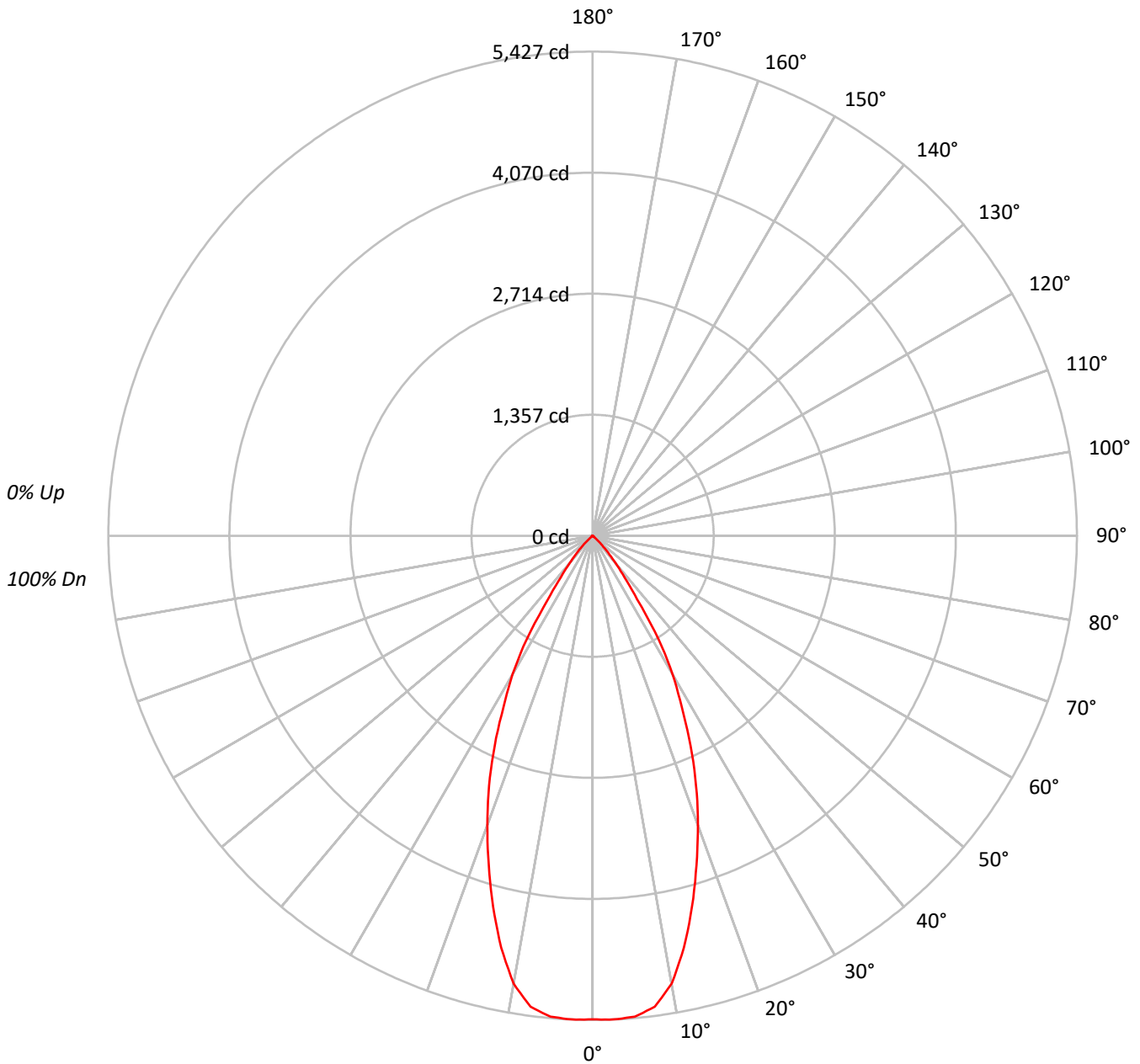
Lumens per Lamp: N/A
Luminaire Lumens: 3629.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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

TEST NUMBER: P685031

CATALOG NUMBER: LX6C45D010 EX6459040 6LRMDLI

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	101	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	71	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°	297147
5°	297715
10°	283723
15°	244303
20°	201256
25°	157195
30°	113524
35°	58136
40°	28353
45°	11776
50°	2149
55°	1242
60°	822
65°	610
70°	449
75°	402
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.1	14.0
10°-20°	1193.1	32.9
20°-30°	1181.7	32.6
30°-40°	599.0	16.5
40°-50°	129.0	3.6
50°-60°	12.3	0.3
60°-70°	4.7	0.1
70°-80°	1.7	0.0
80°-90°	0.4	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°	2881.8	79.4
0°-40°	3480.8	95.9
0°-60°	3622.1	99.8
0°-90°	3629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3629.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5420	
5°	5410	507
15°	4305	1193
25°	2599	1182
35°	869	599
45°	152	129
55°	13	12
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5420.4
2.5°	5426.9
5°	5410.1
7.5°	5325.3
10°	5096.9
12.5°	4729.6
15°	4304.6
17.5°	3869.3
20°	3449.8
22.5°	3030.4
25°	2598.8
27.5°	2158.8
30°	1793.4
32.5°	1381.4
35°	868.7
37.5°	584.4
40°	396.2
42.5°	256.3
45°	151.9
47.5°	68.0
50°	25.2
52.5°	16.8
55°	13.0
57.5°	9.3
60°	7.5
62.5°	5.6
65°	4.7
67.5°	3.7
70°	2.8
72.5°	1.9
75°	1.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)