

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: P685016

Luminaire Tested: **LX6C45D010 EX6459027 6LRMDLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685016
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 EX6459027 6LRMDLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

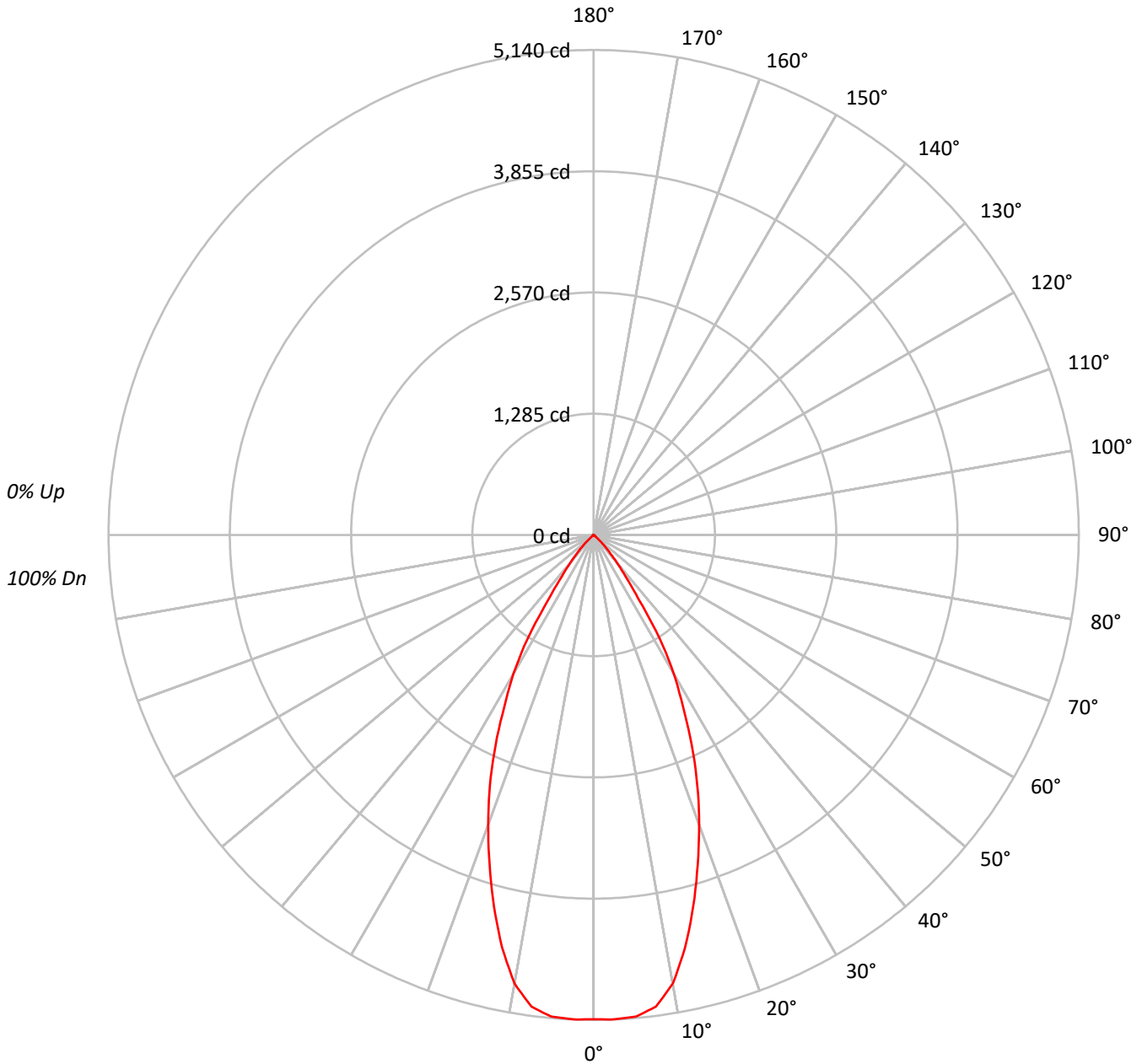
Lumens per Lamp: N/A
Luminaire Lumens: 3437.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P685016

CATALOG NUMBER: LX6C45D010 EX6459027 6LRMDLI

Luminous Intensity Polar Plot





TEST NUMBER: P685016

CATALOG NUMBER: LX6C45D010 EX6459027 6LRMDLI

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	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	89	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83	83	83	83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78	78	78	78
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74	74	74	74
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70	70	70	70
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66	66	66	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62	62	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59	59	59	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56	56	56	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281425
5°	281966
10°	268710
15°	231380
20°	190609
25°	148878
30°	107517
35°	55064
40°	26850
45°	11156
50°	2030
55°	1185
60°	778
65°	571
70°	417
75°	381
80°	284
85°	0



TEST NUMBER: P685016

CATALOG NUMBER: LX6C45D010 EX6459027 6LRMDLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.3	14.0
10°-20°	1130.0	32.9
20°-30°	1119.1	32.6
30°-40°	567.3	16.5
40°-50°	122.2	3.6
50°-60°	11.7	0.3
60°-70°	4.5	0.1
70°-80°	1.6	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°	2729.3	79.4
0°-40°	3296.7	95.9
0°-60°	3430.5	99.8
0°-90°	3437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3437.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5134	
5°	5124	480
15°	4077	1130
25°	2461	1119
35°	823	567
45°	144	122
55°	12	12
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P685016

CATALOG NUMBER: LX6C45D010 EX6459027 6LRMDLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	5133.6
2.5°	5139.8
5°	5123.9
7.5°	5043.5
10°	4827.2
12.5°	4479.4
15°	4076.9
17.5°	3664.6
20°	3267.3
22.5°	2870.0
25°	2461.3
27.5°	2044.6
30°	1698.5
32.5°	1308.3
35°	822.8
37.5°	553.5
40°	375.2
42.5°	242.8
45°	143.9
47.5°	64.4
50°	23.8
52.5°	15.9
55°	12.4
57.5°	8.8
60°	7.1
62.5°	5.3
65°	4.4
67.5°	3.5
70°	2.6
72.5°	1.8
75°	1.8
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)