

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: P563949

Luminaire Tested: **LX6C45D010 EX6C459030 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C45D010 EX6C459030 6LBMH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

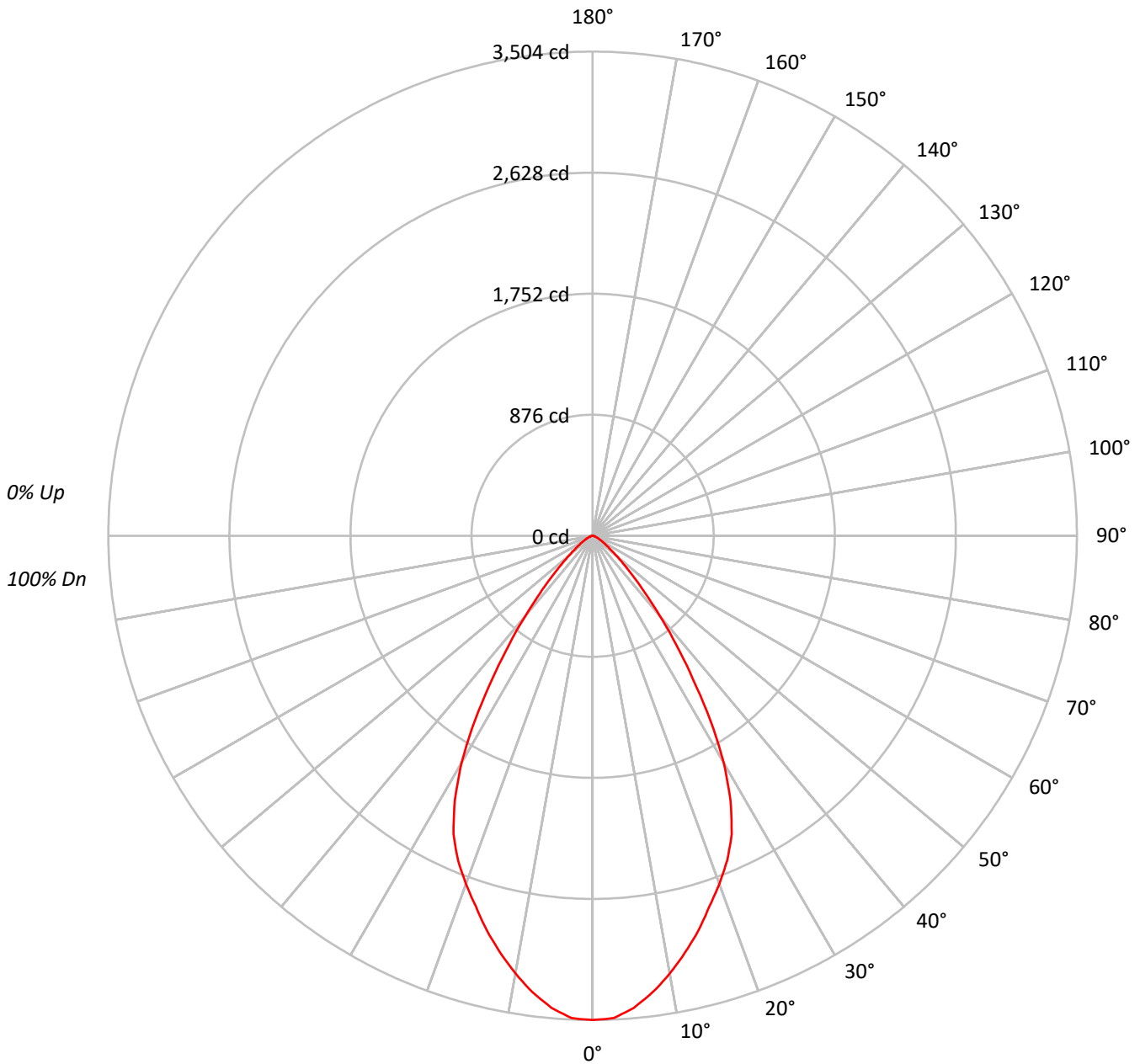
Lumens per Lamp: N/A
Luminaire Lumens: 3540.9 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P563949

CATALOG NUMBER: LX6C45D010 EX6C459030 6LBMH

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	192106
5°	188663
10°	179027
15°	167878
20°	156347
25°	144057
30°	120037
35°	84604
40°	53915
45°	32151
50°	18984
55°	12071
60°	8322
65°	5902
70°	4055
75°	3219
80°	1578
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	9.0
10°-20°	828.9	23.4
20°-30°	1074.0	30.3
30°-40°	797.4	22.5
40°-50°	336.6	9.5
50°-60°	119.5	3.4
60°-70°	46.1	1.3
70°-80°	16.0	0.5
80°-90°	2.0	0.1
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°	2223.3	62.8
0°-40°	3020.7	85.3
0°-60°	3476.8	98.2
0°-90°	3540.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3540.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3504	
5°	3428	320
15°	2958	829
25°	2382	1074
35°	1264	797
45°	415	337
55°	126	120
65°	46	46
75°	15	16
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3504.3
2.5°	3494.1
5°	3428.4
7.5°	3332.2
10°	3216.1
12.5°	3089.5
15°	2958.0
17.5°	2811.5
20°	2680.0
22.5°	2543.5
25°	2381.6
27.5°	2159.1
30°	1896.3
32.5°	1587.6
35°	1264.2
37.5°	991.2
40°	753.4
42.5°	561.2
45°	414.7
47.5°	303.3
50°	222.6
52.5°	166.8
55°	126.3
57.5°	96.0
60°	75.9
62.5°	55.6
65°	45.5
67.5°	35.3
70°	25.3
72.5°	20.1
75°	15.2
77.5°	10.2
80°	5.0
82.5°	5.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)