

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: P684316

Luminaire Tested: **LX6C45D010 EX6C459050 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C45D010 EX6C459050 6LBMDH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

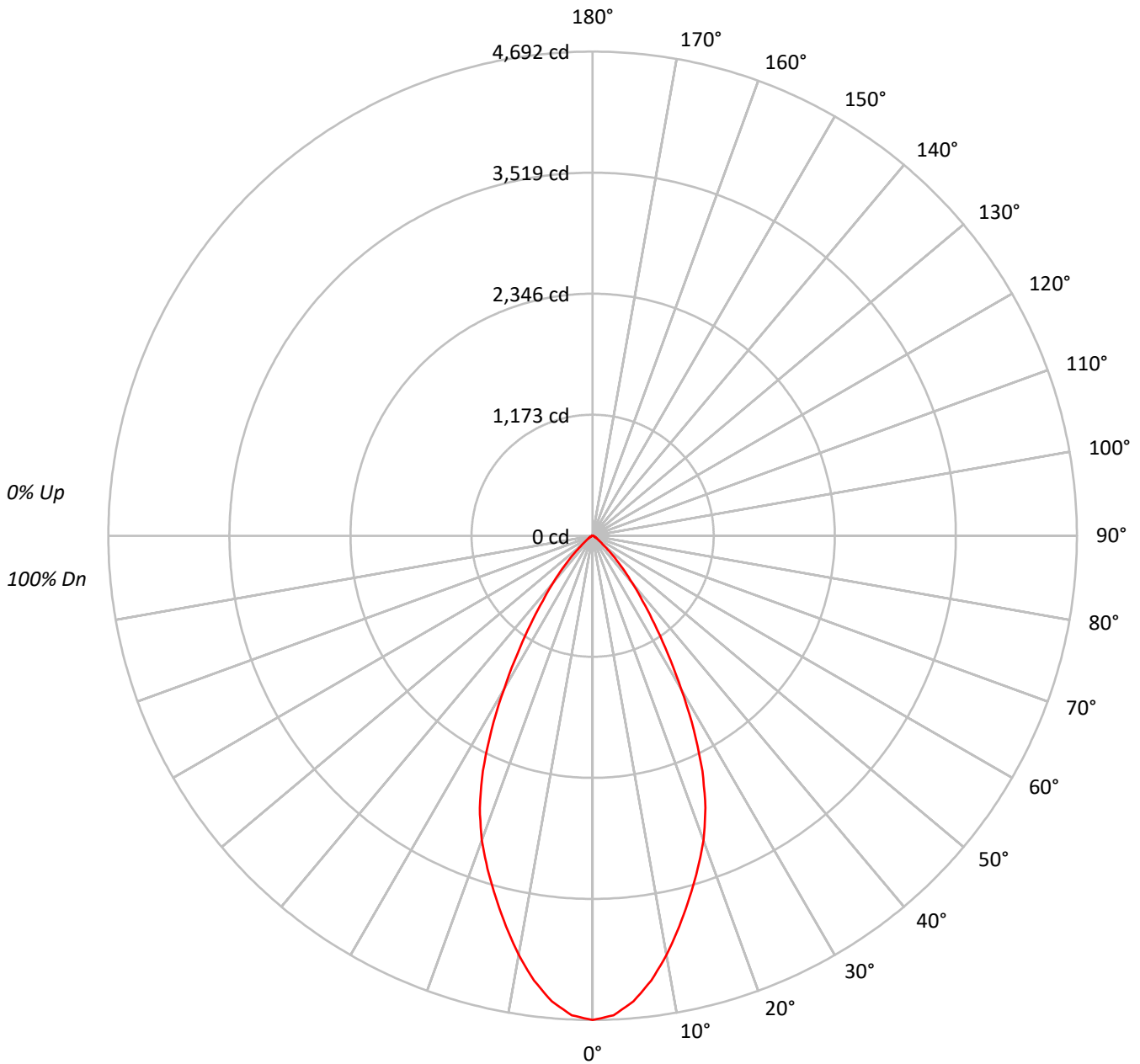
Lumens per Lamp: N/A
Luminaire Lumens: 3570.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P684316

CATALOG NUMBER: LX6C45D010 EX6C459050 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684316

CATALOG NUMBER: LX6C45D010 EX6C459050 6LBMDH

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			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257233
5°	249267
10°	229533
15°	205875
20°	183183
25°	152120
30°	108681
35°	69861
40°	42573
45°	23661
50°	10482
55°	6069
60°	4002
65°	2841
70°	2004
75°	1546
80°	979
85°	629



TEST NUMBER: P684316

CATALOG NUMBER: LX6C45D010 EX6C459050 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.3	11.7
10°-20°	1014.9	28.4
20°-30°	1128.7	31.6
30°-40°	668.8	18.7
40°-50°	245.0	6.9
50°-60°	61.6	1.7
60°-70°	22.5	0.6
70°-80°	7.8	0.2
80°-90°	1.5	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°	2562.8	71.8
0°-40°	3231.6	90.5
0°-60°	3538.2	99.1
0°-90°	3570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3570.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4692	
5°	4530	419
15°	3628	1015
25°	2515	1129
35°	1044	669
45°	305	245
55°	64	62
65°	22	22
75°	7	8
85°	1	2
90°	0	



TEST NUMBER: P684316

CATALOG NUMBER: LX6C45D010 EX6C459050 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4692.3
2.5°	4650.6
5°	4529.7
7.5°	4346.4
10°	4123.4
12.5°	3877.6
15°	3627.5
17.5°	3384.8
20°	3140.0
22.5°	2855.6
25°	2514.9
27.5°	2123.2
30°	1716.9
32.5°	1353.3
35°	1043.9
37.5°	792.8
40°	594.9
42.5°	433.4
45°	305.2
47.5°	193.8
50°	122.9
52.5°	86.5
55°	63.5
57.5°	47.9
60°	36.5
62.5°	28.1
65°	21.9
67.5°	16.7
70°	12.5
72.5°	9.4
75°	7.3
77.5°	5.2
80°	3.1
82.5°	2.1
85°	1.0
87.5°	1.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)