

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: P684394

Luminaire Tested: **LX6C50D010 EX6C509050 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684394
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: LX6C50D010 EX6C509050 6LBMDH
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

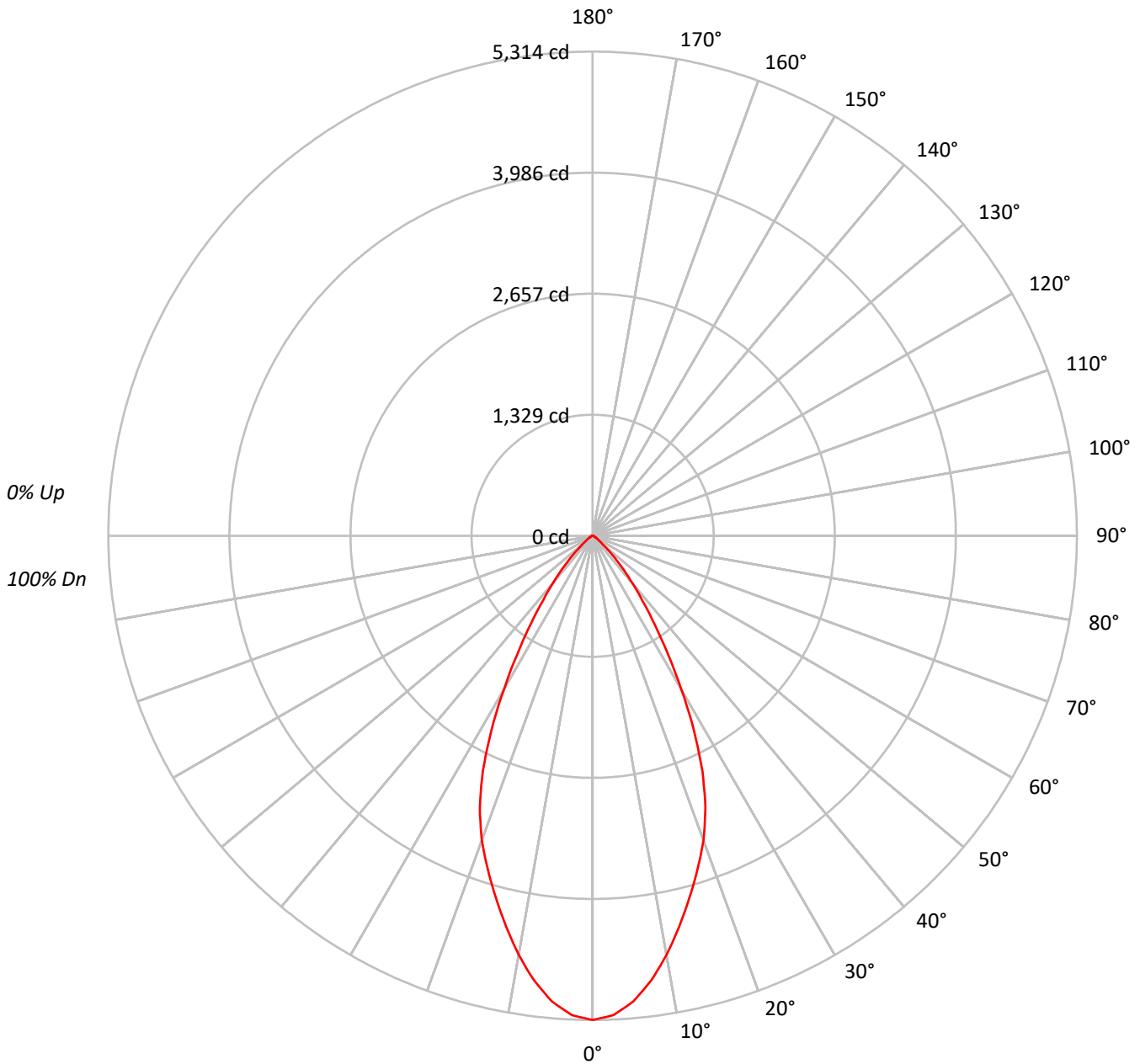
Lumens per Lamp: N/A
Luminaire Lumens: 4043.1 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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: P684394

CATALOG NUMBER: LX6C50D010 EX6C509050 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684394

CATALOG NUMBER: LX6C50D010 EX6C509050 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°	291309
5°	282296
10°	259948
15°	233157
20°	207451
25°	172274
30°	123082
35°	79116
40°	48212
45°	26801
50°	11872
55°	6881
60°	4528
65°	3217
70°	2276
75°	1758
80°	1105
85°	755



TEST NUMBER: P684394

CATALOG NUMBER: LX6C50D010 EX6C509050 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.8	11.7
10°-20°	1149.4	28.4
20°-30°	1278.2	31.6
30°-40°	757.4	18.7
40°-50°	277.4	6.9
50°-60°	69.7	1.7
60°-70°	25.5	0.6
70°-80°	8.9	0.2
80°-90°	1.8	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°	2902.4	71.8
0°-40°	3659.8	90.5
0°-60°	4006.9	99.1
0°-90°	4043.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4043.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5314	
5°	5130	475
15°	4108	1149
25°	2848	1278
35°	1182	757
45°	346	277
55°	72	70
65°	25	25
75°	8	9
85°	1	2
90°	0	



TEST NUMBER: P684394

CATALOG NUMBER: LX6C50D010 EX6C509050 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	5313.9
2.5°	5266.7
5°	5129.9
7.5°	4922.2
10°	4669.8
12.5°	4391.3
15°	4108.2
17.5°	3833.3
20°	3556.0
22.5°	3233.9
25°	2848.1
27.5°	2404.5
30°	1944.4
32.5°	1532.6
35°	1182.2
37.5°	897.8
40°	673.7
42.5°	490.8
45°	345.7
47.5°	219.4
50°	139.2
52.5°	97.9
55°	72.0
57.5°	54.3
60°	41.3
62.5°	31.9
65°	24.8
67.5°	18.9
70°	14.2
72.5°	10.6
75°	8.3
77.5°	5.9
80°	3.5
82.5°	2.4
85°	1.2
87.5°	1.2
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)