

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: P684288

Luminaire Tested: **LX6C45D010 EX6C459027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684288
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 EX6C459027 6LBMDH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

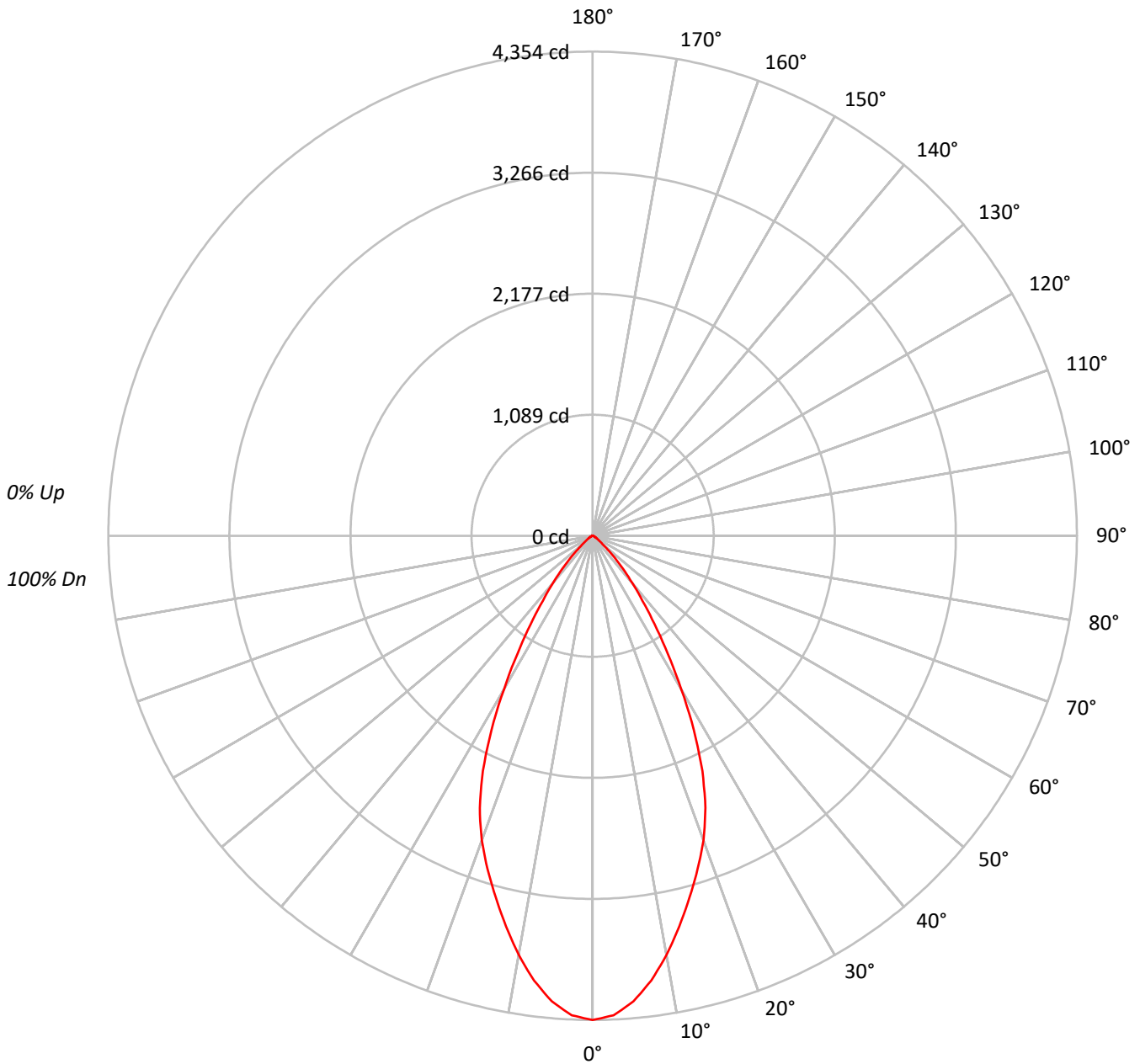
Lumens per Lamp: N/A
Luminaire Lumens: 3313.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P684288

CATALOG NUMBER: LX6C45D010 EX6C459027 6LBMDH

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			
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°	238714
5°	231322
10°	213011
15°	191057
20°	169992
25°	141171
30°	100857
35°	64828
40°	39503
45°	21964
50°	9731
55°	5639
60°	3706
65°	2633
70°	1859
75°	1440
80°	916
85°	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.1	11.7
10°-20°	941.8	28.4
20°-30°	1047.4	31.6
30°-40°	620.6	18.7
40°-50°	227.3	6.9
50°-60°	57.1	1.7
60°-70°	20.9	0.6
70°-80°	7.3	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°	2378.3	71.8
0°-40°	2999.0	90.5
0°-60°	3283.4	99.1
0°-90°	3313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3313.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4354	
5°	4204	389
15°	3366	942
25°	2334	1047
35°	969	621
45°	283	227
55°	59	57
65°	20	21
75°	7	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4354.5
2.5°	4315.8
5°	4203.6
7.5°	4033.5
10°	3826.6
12.5°	3598.4
15°	3366.4
17.5°	3141.1
20°	2913.9
22.5°	2650.0
25°	2333.9
27.5°	1970.3
30°	1593.3
32.5°	1255.9
35°	968.7
37.5°	735.7
40°	552.0
42.5°	402.2
45°	283.3
47.5°	179.8
50°	114.1
52.5°	80.2
55°	59.0
57.5°	44.5
60°	33.8
62.5°	26.1
65°	20.3
67.5°	15.5
70°	11.6
72.5°	8.7
75°	6.8
77.5°	4.8
80°	2.9
82.5°	1.9
85°	1.0
87.5°	1.0
90°	0.0



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— 0°-180°







(END OF REPORT)