

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: P684387

Luminaire Tested: **LX6C50D010 EX6C509040 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684387
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 EX6C509040 6LBMDH
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

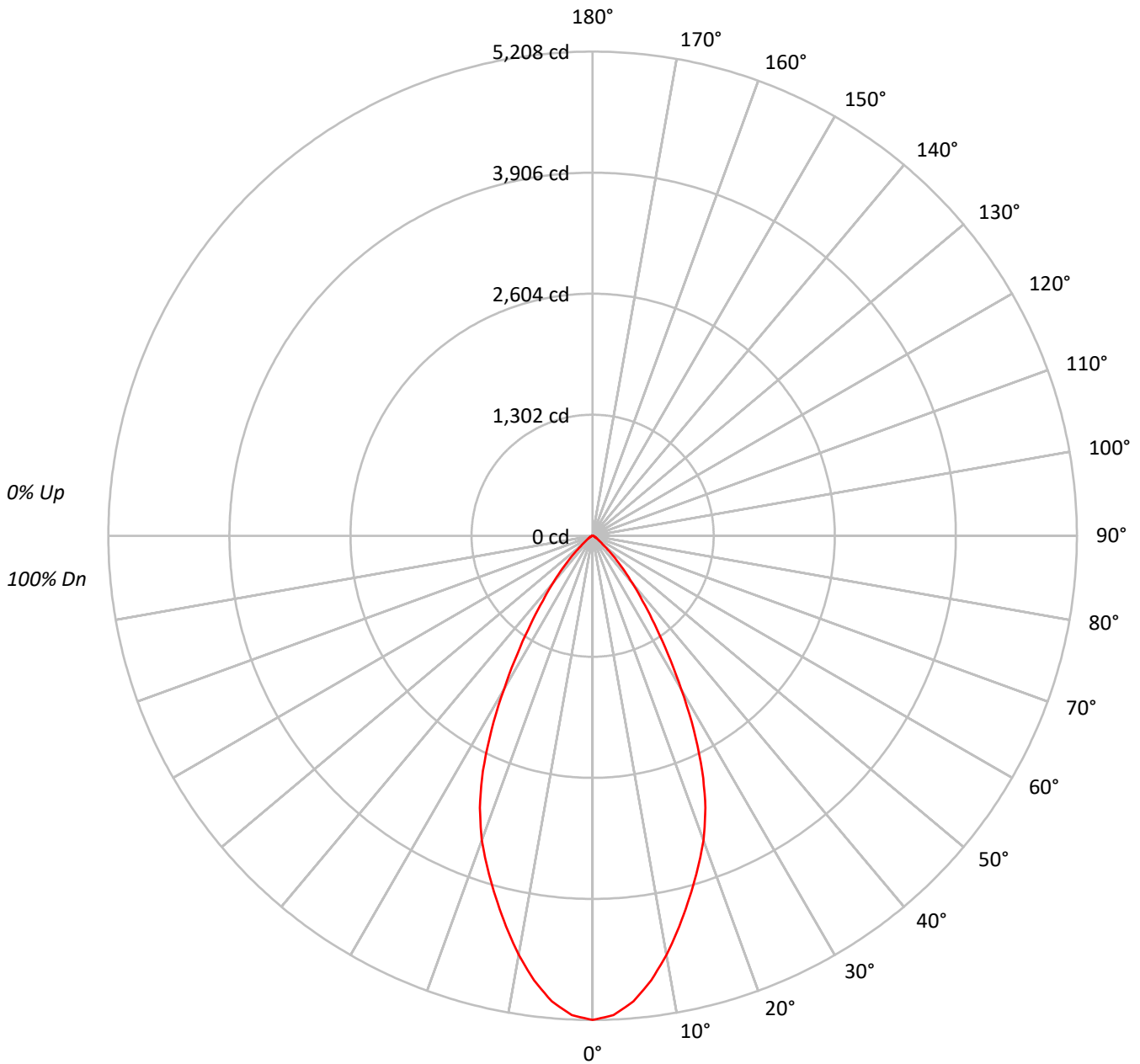
Lumens per Lamp: N/A
Luminaire Lumens: 3962.1 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	285476
5°	276639
10°	254738
15°	228486
20°	203298
25°	168820
30°	120613
35°	77530
40°	47246
45°	26266
50°	11633
55°	6738
60°	4440
65°	3152
70°	2228
75°	1716
80°	1105
85°	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.3	11.7
10°-20°	1126.3	28.4
20°-30°	1252.6	31.6
30°-40°	742.2	18.7
40°-50°	271.9	6.9
50°-60°	68.3	1.7
60°-70°	24.9	0.6
70°-80°	8.7	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°	2844.2	71.8
0°-40°	3586.5	90.5
0°-60°	3926.7	99.1
0°-90°	3962.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3962.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5208	
5°	5027	465
15°	4026	1126
25°	2791	1253
35°	1158	742
45°	339	272
55°	70	68
65°	24	25
75°	8	9
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5207.5
2.5°	5161.2
5°	5027.1
7.5°	4823.6
10°	4576.2
12.5°	4303.3
15°	4025.9
17.5°	3756.5
20°	3484.8
22.5°	3169.1
25°	2791.0
27.5°	2356.3
30°	1905.4
32.5°	1501.9
35°	1158.5
37.5°	879.9
40°	660.2
42.5°	481.0
45°	338.8
47.5°	215.1
50°	136.4
52.5°	96.0
55°	70.5
57.5°	53.2
60°	40.5
62.5°	31.2
65°	24.3
67.5°	18.5
70°	13.9
72.5°	10.4
75°	8.1
77.5°	5.8
80°	3.5
82.5°	2.3
85°	1.2
87.5°	1.2
90°	0.0



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— 0°-180°







(END OF REPORT)