

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: P684366

Luminaire Tested: **LX6C50D010 EX6C509027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684366
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 EX6C509027 6LBMDH
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

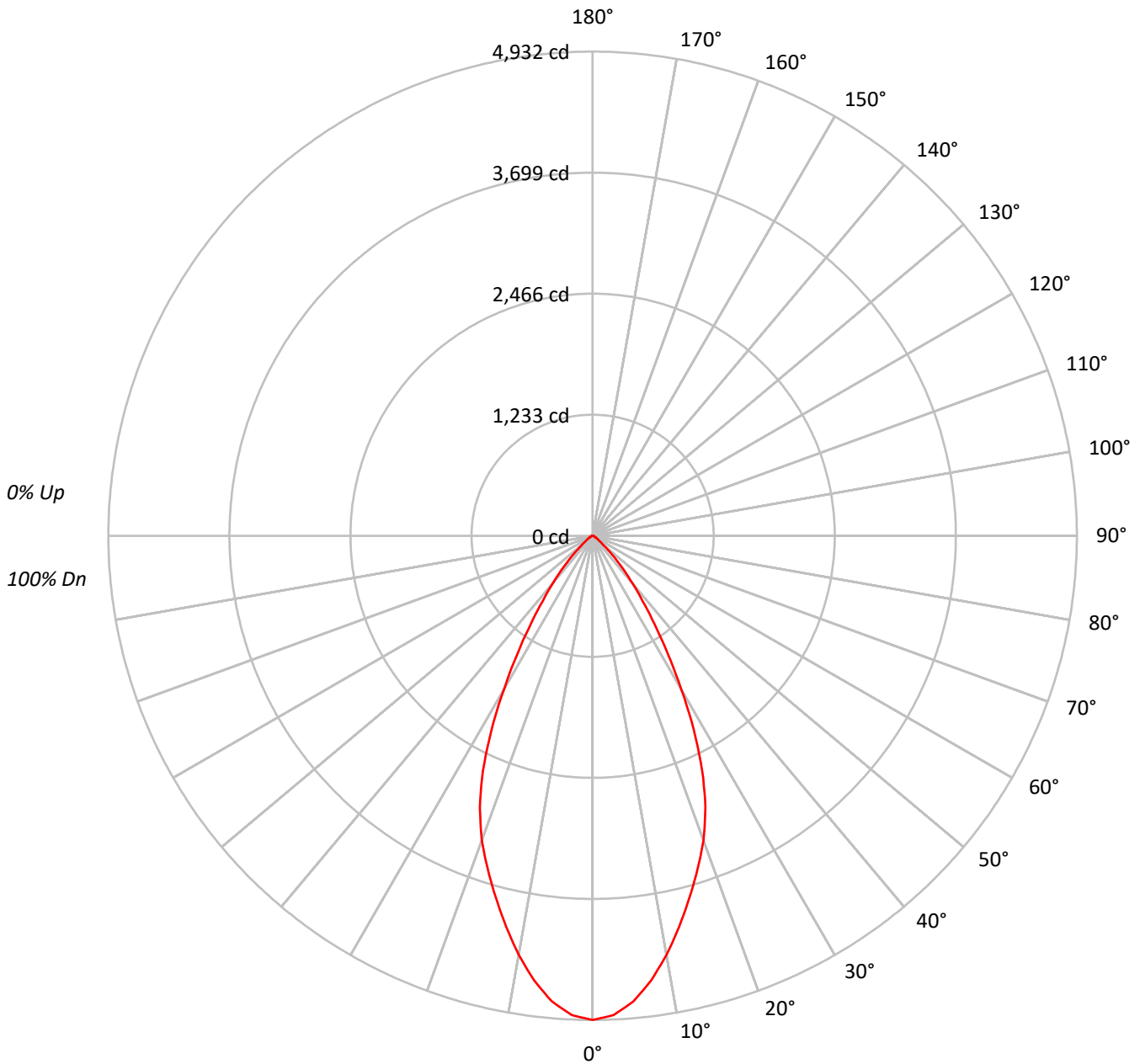
Lumens per Lamp: N/A
Luminaire Lumens: 3752.1 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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°	270346
5°	261979
10°	241234
15°	216375
20°	192523
25°	159874
30°	114220
35°	73421
40°	44741
45°	24871
50°	11019
55°	6384
60°	4199
65°	2983
70°	2100
75°	1631
80°	1042
85°	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.7	11.7
10°-20°	1066.6	28.4
20°-30°	1186.2	31.6
30°-40°	702.9	18.7
40°-50°	257.5	6.9
50°-60°	64.7	1.7
60°-70°	23.6	0.6
70°-80°	8.2	0.2
80°-90°	1.6	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°	2693.5	71.8
0°-40°	3396.4	90.5
0°-60°	3718.6	99.1
0°-90°	3752.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3752.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4932	
5°	4761	441
15°	3812	1067
25°	2643	1186
35°	1097	703
45°	321	257
55°	67	65
65°	23	24
75°	8	8
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4931.5
2.5°	4887.7
5°	4760.7
7.5°	4568.0
10°	4333.6
12.5°	4075.2
15°	3812.5
17.5°	3557.4
20°	3300.1
22.5°	3001.1
25°	2643.1
27.5°	2231.4
30°	1804.4
32.5°	1422.3
35°	1097.1
37.5°	833.2
40°	625.2
42.5°	455.5
45°	320.8
47.5°	203.7
50°	129.2
52.5°	90.9
55°	66.8
57.5°	50.4
60°	38.3
62.5°	29.6
65°	23.0
67.5°	17.5
70°	13.1
72.5°	9.9
75°	7.7
77.5°	5.5
80°	3.3
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0



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— 0°-180°







(END OF REPORT)