

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: P683861

Luminaire Tested: **LX6C100D010 EX6C1009027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683861
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: LX6C100D010 EX6C1009027 6LBMDH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

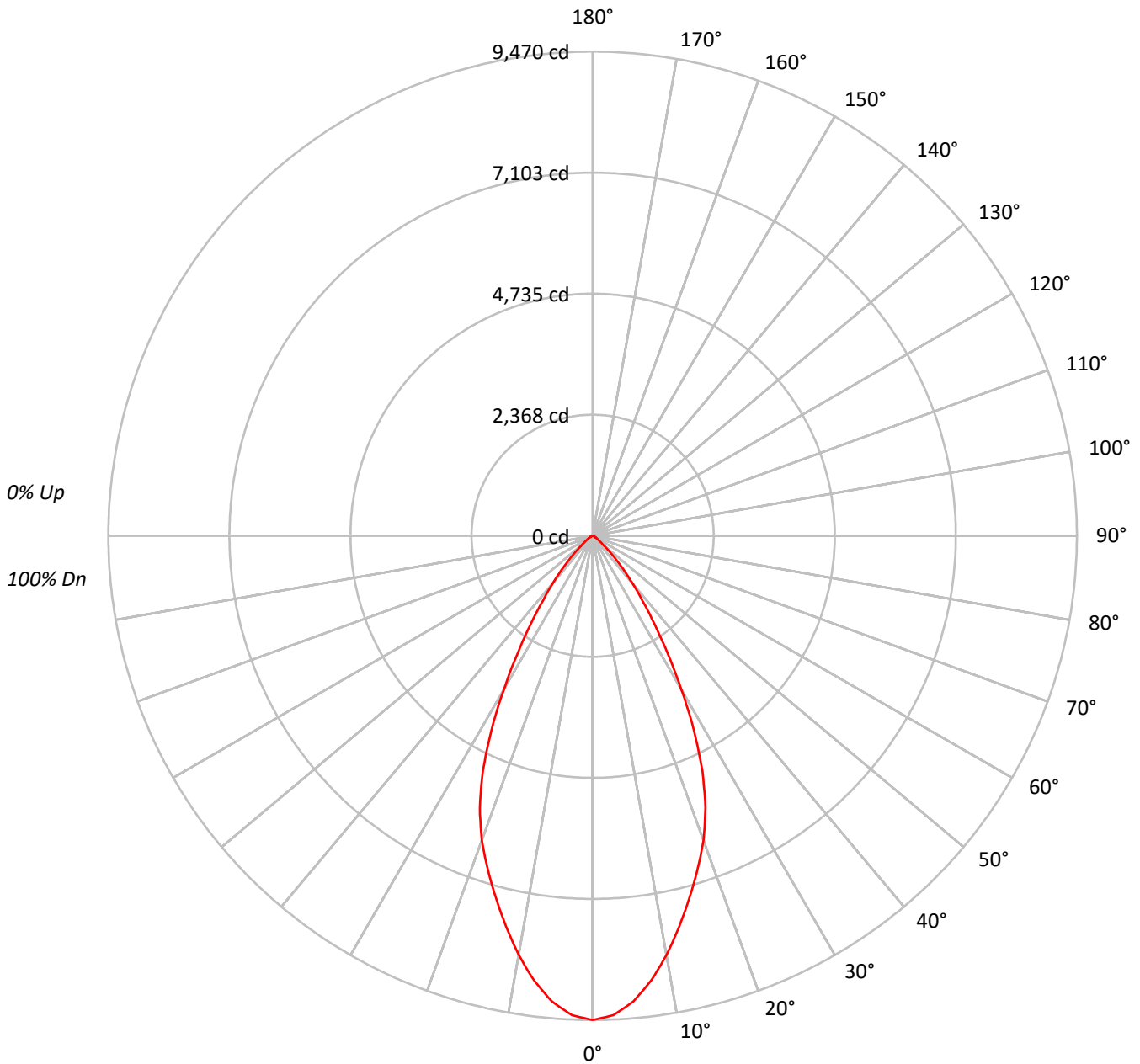
Lumens per Lamp: N/A
Luminaire Lumens: 7205.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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°	519142
5°	503075
10°	463246
15°	415502
20°	369696
25°	307010
30°	219338
35°	140994
40°	85918
45°	47765
50°	21159
55°	12262
60°	8070
65°	5733
70°	4039
75°	3114
80°	1989
85°	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	846.2	11.7
10°-20°	2048.3	28.4
20°-30°	2277.9	31.6
30°-40°	1349.7	18.7
40°-50°	494.5	6.9
50°-60°	124.2	1.7
60°-70°	45.4	0.6
70°-80°	15.8	0.2
80°-90°	3.1	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°	5172.3	71.8
0°-40°	6522.0	90.5
0°-60°	7140.7	99.1
0°-90°	7205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7205.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9470	
5°	9142	846
15°	7321	2048
25°	5076	2278
35°	2107	1350
45°	616	494
55°	128	124
65°	44	45
75°	15	16
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9469.9
2.5°	9385.8
5°	9141.9
7.5°	8771.9
10°	8321.9
12.5°	7825.7
15°	7321.1
17.5°	6831.2
20°	6337.1
22.5°	5763.1
25°	5075.6
27.5°	4285.0
30°	3465.0
32.5°	2731.2
35°	2106.8
37.5°	1600.0
40°	1200.6
42.5°	874.7
45°	616.1
47.5°	391.1
50°	248.1
52.5°	174.5
55°	128.3
57.5°	96.7
60°	73.6
62.5°	56.8
65°	44.2
67.5°	33.6
70°	25.2
72.5°	18.9
75°	14.7
77.5°	10.5
80°	6.3
82.5°	4.2
85°	2.1
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)