

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: P683876

Luminaire Tested: **LX6C100D010 EX6C1009030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683876
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 EX6C1009030 6LBMDH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

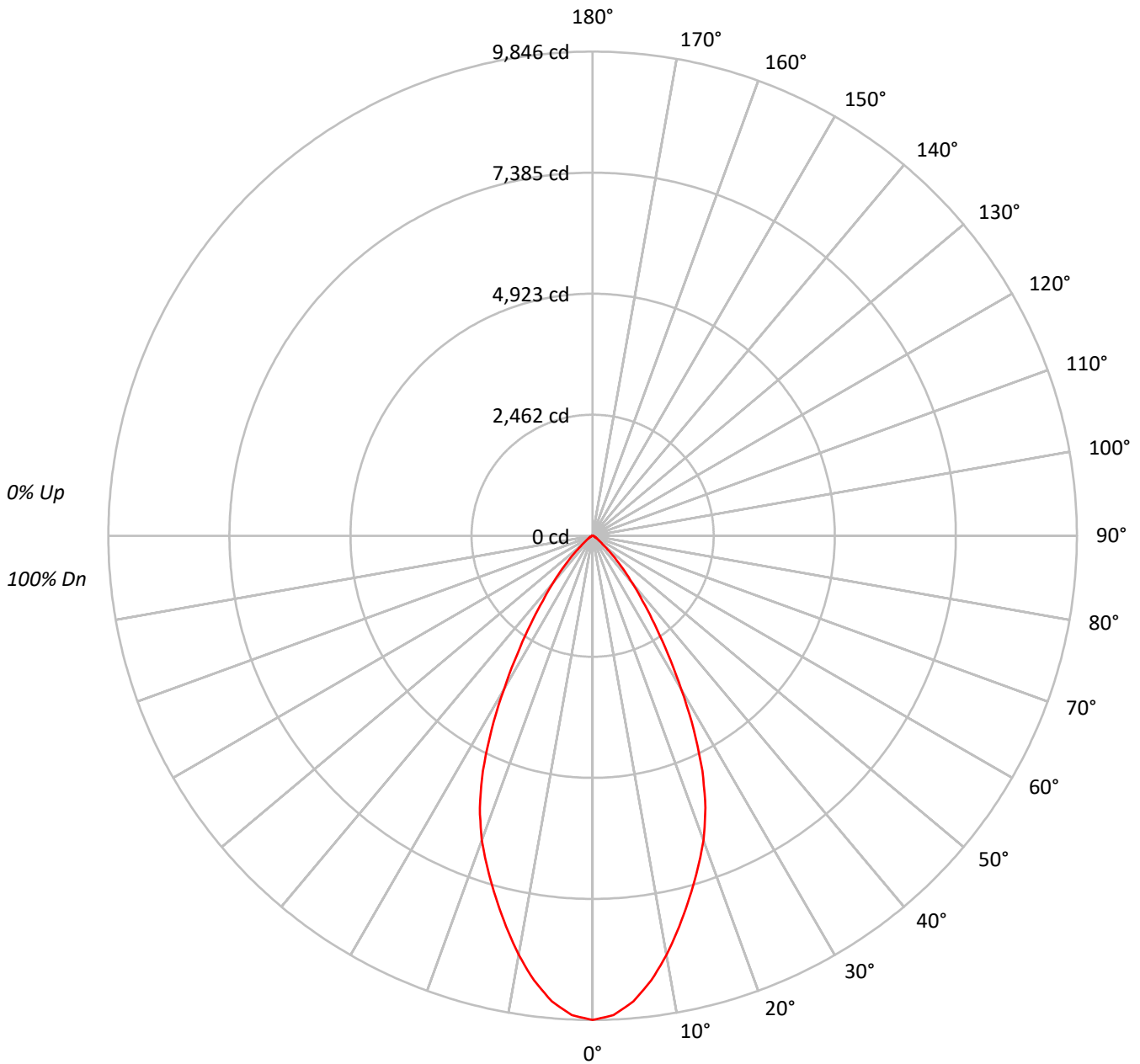
Lumens per Lamp: N/A
Luminaire Lumens: 7491.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	539748
5°	523045
10°	481638
15°	431995
20°	384374
25°	319198
30°	228048
35°	146588
40°	89324
45°	49656
50°	22004
55°	12740
60°	8387
65°	5954
70°	4199
75°	3241
80°	2084
85°	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	879.8	11.7
10°-20°	2129.6	28.4
20°-30°	2368.3	31.6
30°-40°	1403.3	18.7
40°-50°	514.1	6.9
50°-60°	129.2	1.7
60°-70°	47.1	0.6
70°-80°	16.4	0.2
80°-90°	3.3	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°	5377.7	71.8
0°-40°	6781.0	90.5
0°-60°	7424.2	99.1
0°-90°	7491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7491.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9846	
5°	9505	880
15°	7612	2130
25°	5277	2368
35°	2190	1403
45°	640	514
55°	133	129
65°	46	47
75°	15	16
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9845.8
2.5°	9758.4
5°	9504.8
7.5°	9120.1
10°	8652.3
12.5°	8136.4
15°	7611.7
17.5°	7102.4
20°	6588.7
22.5°	5991.9
25°	5277.1
27.5°	4455.1
30°	3602.6
32.5°	2839.6
35°	2190.4
37.5°	1663.6
40°	1248.2
42.5°	909.4
45°	640.5
47.5°	406.6
50°	258.0
52.5°	181.4
55°	133.3
57.5°	100.6
60°	76.5
62.5°	59.0
65°	45.9
67.5°	35.0
70°	26.2
72.5°	19.7
75°	15.3
77.5°	10.9
80°	6.6
82.5°	4.4
85°	2.2
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)