

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: P684536

Luminaire Tested: **LX6C70D010 EX6C709035 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684536
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: LX6C70D010 EX6C709035 6LBMDH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

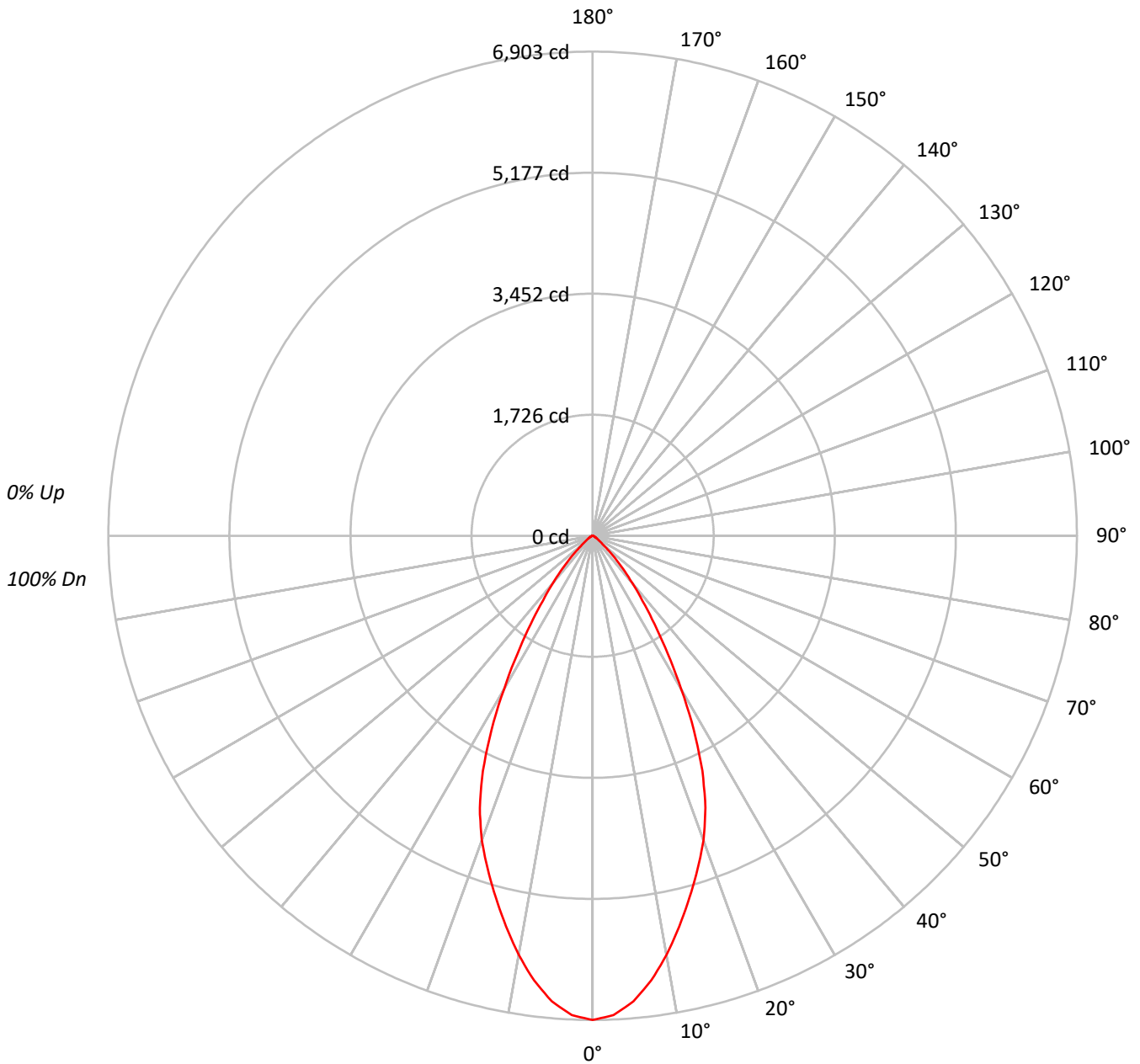
Lumens per Lamp: N/A
Luminaire Lumens: 5252.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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°	378424
5°	366712
10°	337680
15°	302873
20°	269488
25°	223791
30°	159885
35°	102774
40°	62624
45°	34818
50°	15428
55°	8936
60°	5877
65°	4177
70°	2949
75°	2266
80°	1452
85°	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.8	11.7
10°-20°	1493.1	28.4
20°-30°	1660.4	31.6
30°-40°	983.9	18.7
40°-50°	360.4	6.9
50°-60°	90.6	1.7
60°-70°	33.1	0.6
70°-80°	11.5	0.2
80°-90°	2.3	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°	3770.3	71.8
0°-40°	4754.2	90.5
0°-60°	5205.2	99.1
0°-90°	5252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6903	
5°	6664	617
15°	5337	1493
25°	3700	1660
35°	1536	984
45°	449	360
55°	94	91
65°	32	33
75°	11	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6903.0
2.5°	6841.7
5°	6663.9
7.5°	6394.2
10°	6066.2
12.5°	5704.5
15°	5336.6
17.5°	4979.5
20°	4619.4
22.5°	4201.0
25°	3699.8
27.5°	3123.5
30°	2525.8
32.5°	1990.9
35°	1535.7
37.5°	1166.3
40°	875.1
42.5°	637.6
45°	449.1
47.5°	285.1
50°	180.9
52.5°	127.2
55°	93.5
57.5°	70.5
60°	53.6
62.5°	41.4
65°	32.2
67.5°	24.5
70°	18.4
72.5°	13.8
75°	10.7
77.5°	7.7
80°	4.6
82.5°	3.1
85°	1.5
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)