

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: P684270

Luminaire Tested: **LX6C40D010 EX6C409040 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684270
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: LX6C40D010 EX6C409040 6LBMDH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

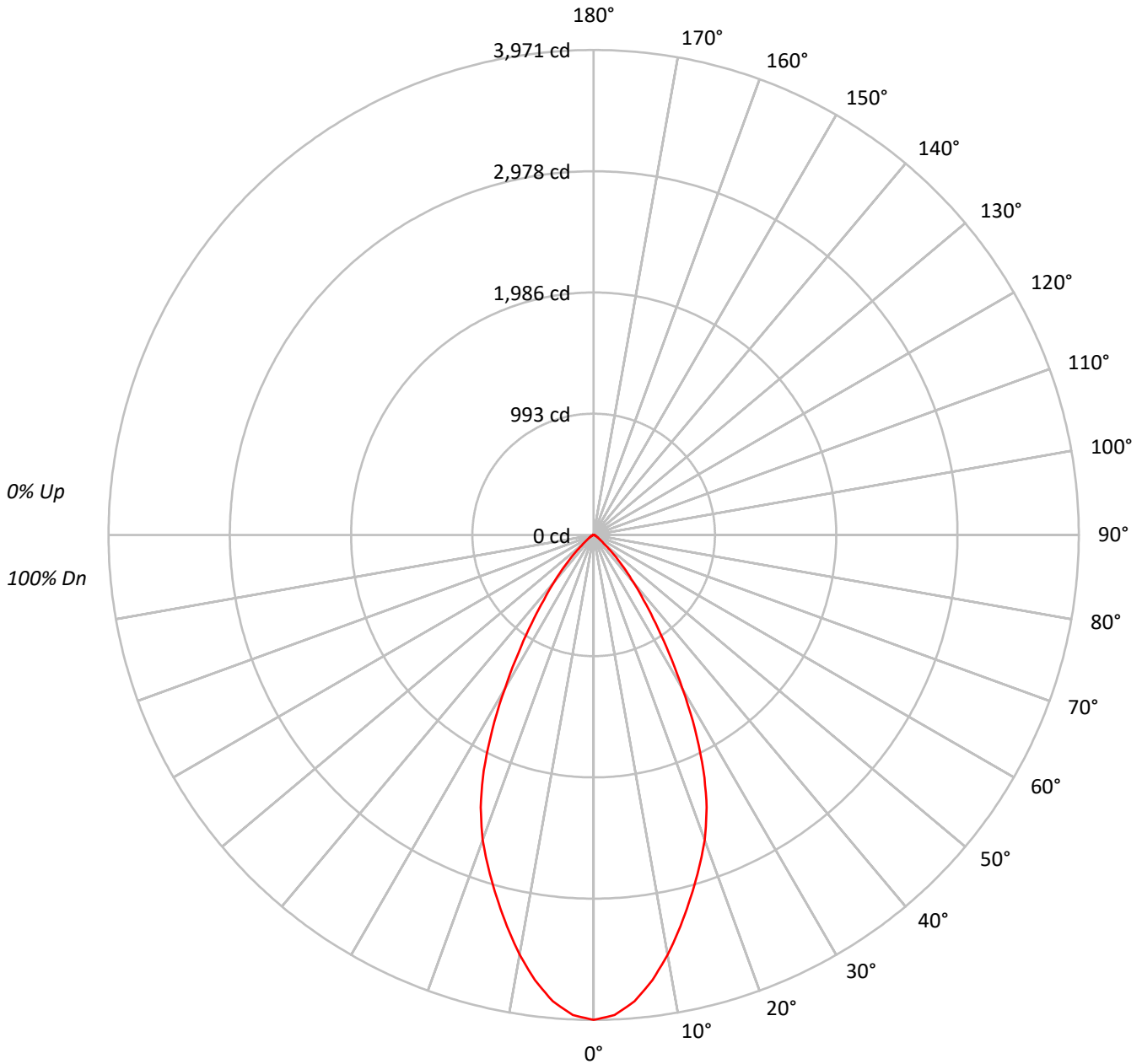
Lumens per Lamp: N/A
Luminaire Lumens: 3021.1 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	217674
5°	210934
10°	194235
15°	174218
20°	155011
25°	128729
30°	91970
35°	59120
40°	36025
45°	20025
50°	8870
55°	5142
60°	3388
65°	2400
70°	1699
75°	1313
80°	821
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	11.7
10°-20°	858.8	28.4
20°-30°	955.1	31.6
30°-40°	565.9	18.7
40°-50°	207.3	6.9
50°-60°	52.1	1.7
60°-70°	19.0	0.6
70°-80°	6.6	0.2
80°-90°	1.3	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°	2168.7	71.8
0°-40°	2734.7	90.5
0°-60°	2994.1	99.1
0°-90°	3021.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3021.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3971	
5°	3833	355
15°	3070	859
25°	2128	955
35°	883	566
45°	258	207
55°	54	52
65°	18	19
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3970.7
2.5°	3935.4
5°	3833.1
7.5°	3678.0
10°	3489.3
12.5°	3281.3
15°	3069.7
17.5°	2864.3
20°	2657.1
22.5°	2416.4
25°	2128.2
27.5°	1796.7
30°	1452.9
32.5°	1145.2
35°	883.4
37.5°	670.9
40°	503.4
42.5°	366.7
45°	258.3
47.5°	164.0
50°	104.0
52.5°	73.2
55°	53.8
57.5°	40.6
60°	30.9
62.5°	23.8
65°	18.5
67.5°	14.1
70°	10.6
72.5°	7.9
75°	6.2
77.5°	4.4
80°	2.6
82.5°	1.8
85°	0.9
87.5°	0.9
90°	0.0



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— 0°-180°







(END OF REPORT)