

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: P684231

Luminaire Tested: **LX6C35D010 EX6C359040 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684231
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: LX6C35D010 EX6C359040 6LBMDH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

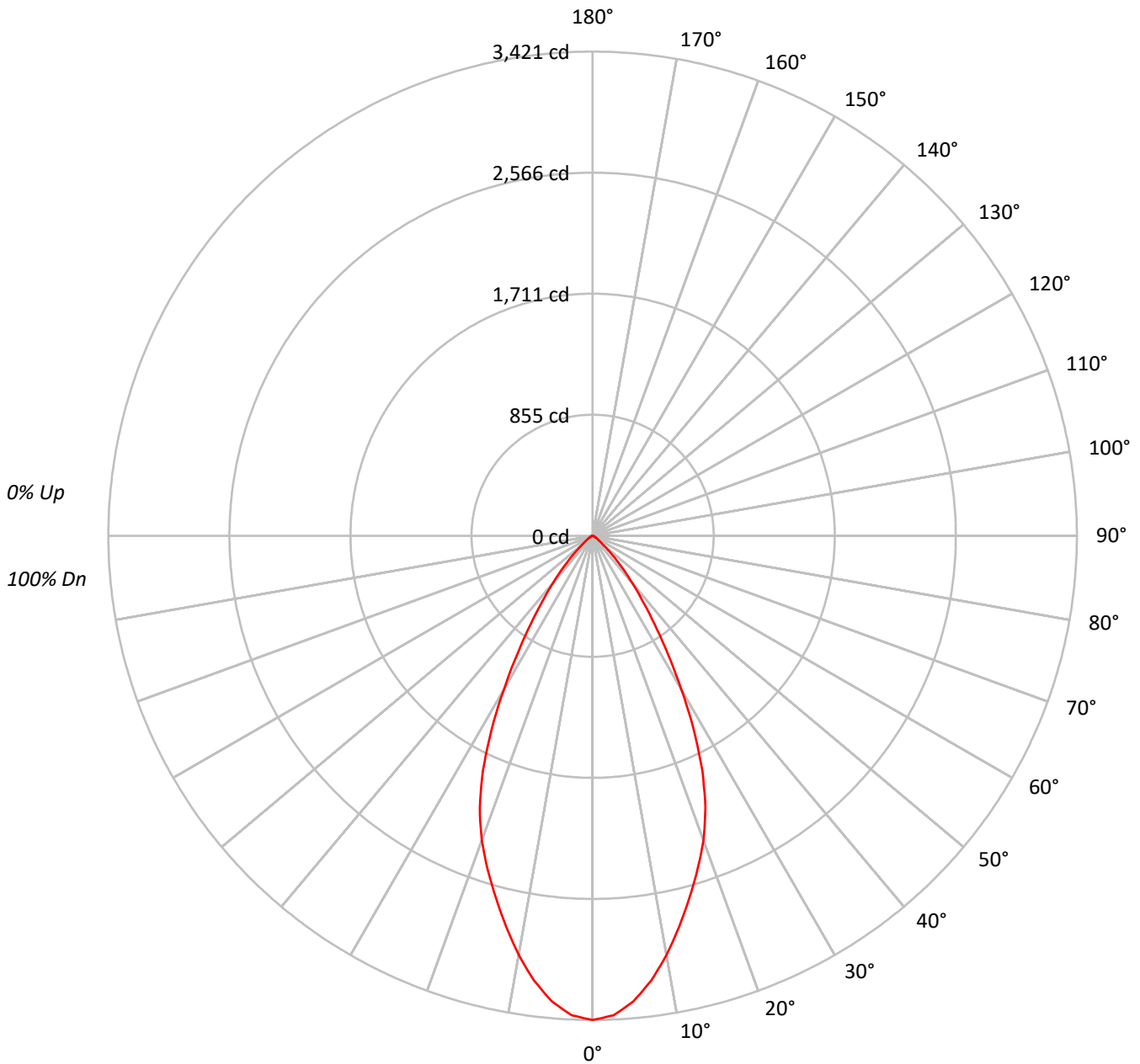
Lumens per Lamp: N/A
Luminaire Lumens: 2603.0 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	187556
5°	181752
10°	167359
15°	150114
20°	133566
25°	110916
30°	79240
35°	50935
40°	31037
45°	17258
50°	7642
55°	4425
60°	2916
65°	2075
70°	1459
75°	1123
80°	726
85°	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.7	11.7
10°-20°	740.0	28.4
20°-30°	822.9	31.6
30°-40°	487.6	18.7
40°-50°	178.6	6.9
50°-60°	44.9	1.7
60°-70°	16.4	0.6
70°-80°	5.7	0.2
80°-90°	1.2	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°	1868.7	71.8
0°-40°	2356.3	90.5
0°-60°	2579.8	99.1
0°-90°	2603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2603.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3421	
5°	3303	306
15°	2645	740
25°	1834	823
35°	761	488
45°	223	179
55°	46	45
65°	16	16
75°	5	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3421.3
2.5°	3390.9
5°	3302.8
7.5°	3169.1
10°	3006.5
12.5°	2827.3
15°	2645.0
17.5°	2468.0
20°	2289.5
22.5°	2082.1
25°	1833.7
27.5°	1548.1
30°	1251.8
32.5°	986.7
35°	761.1
37.5°	578.1
40°	433.7
42.5°	316.0
45°	222.6
47.5°	141.3
50°	89.6
52.5°	63.0
55°	46.3
57.5°	34.9
60°	26.6
62.5°	20.5
65°	16.0
67.5°	12.2
70°	9.1
72.5°	6.8
75°	5.3
77.5°	3.8
80°	2.3
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0



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— 0°-180°







(END OF REPORT)