

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: P684224

Luminaire Tested: **LX6C35D010 EX6C359035 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684224
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 EX6C359035 6LBMDH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

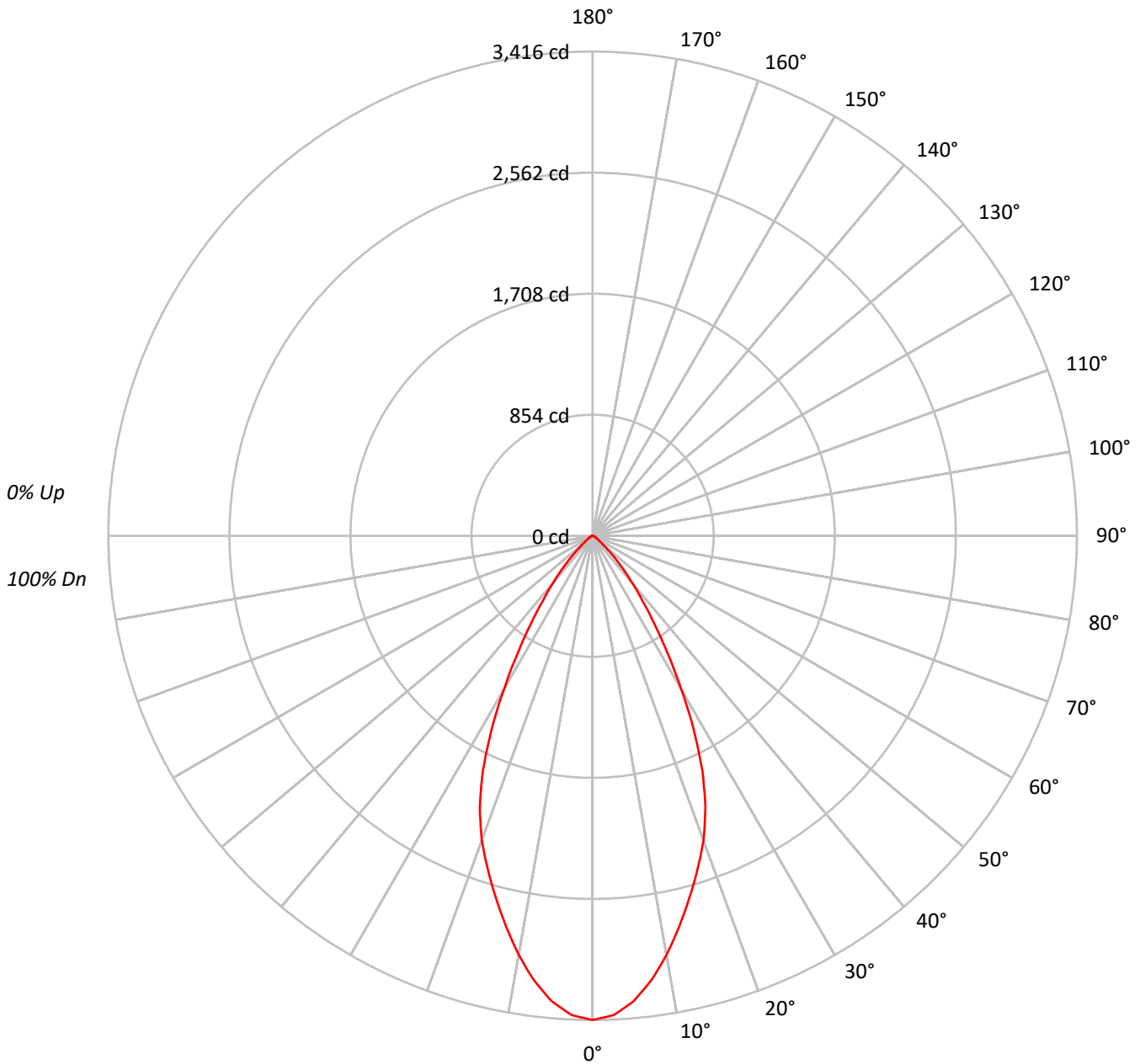
Lumens per Lamp: N/A
Luminaire Lumens: 2599.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	187266
5°	181471
10°	167103
15°	149882
20°	133356
25°	110746
30°	79120
35°	50862
40°	30994
45°	17227
50°	7633
55°	4425
60°	2905
65°	2062
70°	1459
75°	1123
80°	726
85°	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.2	11.7
10°-20°	738.9	28.4
20°-30°	821.7	31.6
30°-40°	486.9	18.7
40°-50°	178.4	6.9
50°-60°	44.8	1.7
60°-70°	16.3	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°	1865.8	71.8
0°-40°	2352.7	90.5
0°-60°	2575.8	99.1
0°-90°	2599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3416	
5°	3298	305
15°	2641	739
25°	1831	822
35°	760	487
45°	222	178
55°	46	45
65°	16	16
75°	5	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3416.0
2.5°	3385.7
5°	3297.7
7.5°	3164.2
10°	3001.9
12.5°	2822.9
15°	2640.9
17.5°	2464.2
20°	2285.9
22.5°	2078.9
25°	1830.9
27.5°	1545.7
30°	1249.9
32.5°	985.2
35°	760.0
37.5°	577.2
40°	433.1
42.5°	315.5
45°	222.2
47.5°	141.1
50°	89.5
52.5°	63.0
55°	46.3
57.5°	34.9
60°	26.5
62.5°	20.5
65°	15.9
67.5°	12.1
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)