

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: P684217

Luminaire Tested: **LX6C35D010 EX6C359030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684217
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 EX6C359030 6LBMDH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

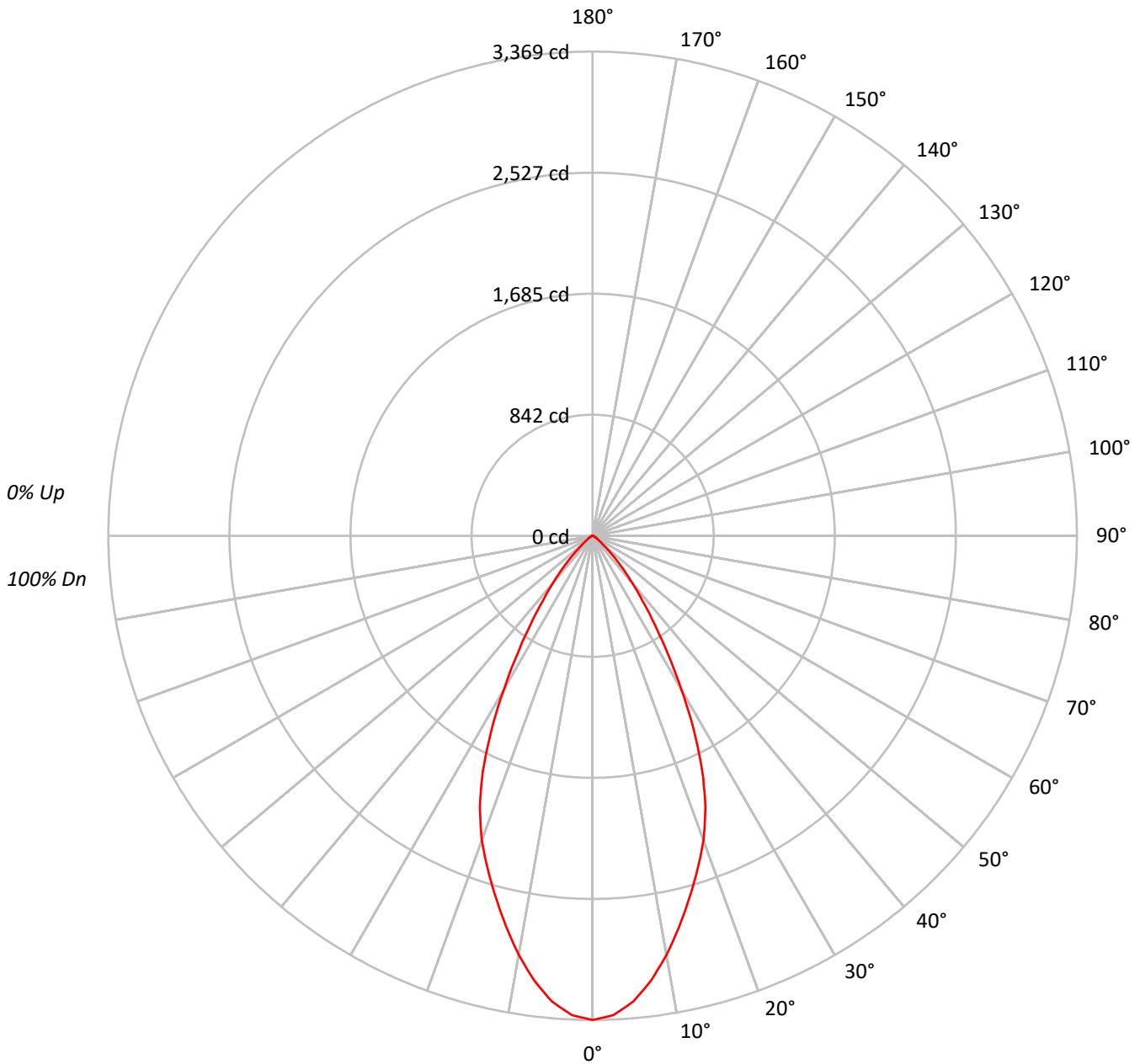
Lumens per Lamp: N/A
Luminaire Lumens: 2563.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P684217

CATALOG NUMBER: LX6C35D010 EX6C359030 6LBMDH

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°	184673
5°	178956
10°	164788
15°	147804
20°	131512
25°	109210
30°	78025
35°	50152
40°	30564
45°	16986
50°	7531
55°	4358
60°	2873
65°	2037
70°	1443
75°	1101
80°	695
85°	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	11.7
10°-20°	728.6	28.4
20°-30°	810.3	31.6
30°-40°	480.1	18.7
40°-50°	175.9	6.9
50°-60°	44.2	1.7
60°-70°	16.1	0.6
70°-80°	5.6	0.2
80°-90°	1.1	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°	1839.9	71.8
0°-40°	2320.1	90.5
0°-60°	2540.1	99.1
0°-90°	2563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3369	
5°	3252	301
15°	2604	729
25°	1806	810
35°	749	480
45°	219	176
55°	46	44
65°	16	16
75°	5	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3368.7
2.5°	3338.8
5°	3252.0
7.5°	3120.4
10°	2960.3
12.5°	2783.8
15°	2604.3
17.5°	2430.0
20°	2254.3
22.5°	2050.1
25°	1805.5
27.5°	1524.3
30°	1232.6
32.5°	971.6
35°	749.4
37.5°	569.2
40°	427.1
42.5°	311.1
45°	219.1
47.5°	139.1
50°	88.3
52.5°	62.1
55°	45.6
57.5°	34.4
60°	26.2
62.5°	20.2
65°	15.7
67.5°	12.0
70°	9.0
72.5°	6.7
75°	5.2
77.5°	3.7
80°	2.2
82.5°	1.5
85°	0.7
87.5°	0.7
90°	0.0



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— 0°-180°







(END OF REPORT)