

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: P684210

Luminaire Tested: **LX6C35D010 EX6C359027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684210
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 EX6C359027 6LBMDH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

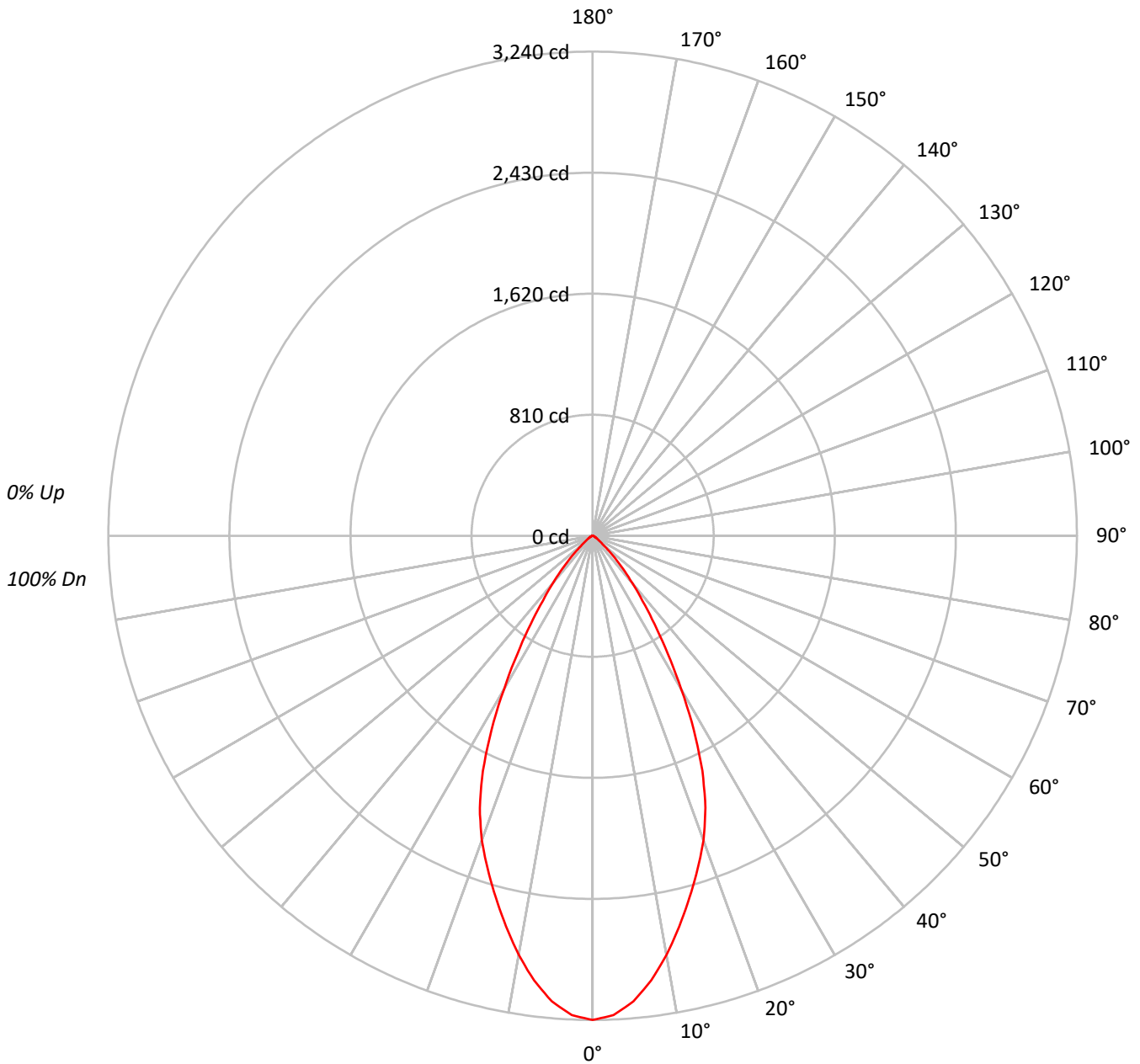
Lumens per Lamp: N/A
Luminaire Lumens: 2465.0 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	177612
5°	172116
10°	158486
15°	142152
20°	126483
25°	105036
30°	75043
35°	48238
40°	29391
45°	16343
50°	7241
55°	4196
60°	2763
65°	1959
70°	1378
75°	1059
80°	695
85°	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.5	11.7
10°-20°	700.8	28.4
20°-30°	779.3	31.6
30°-40°	461.8	18.7
40°-50°	169.2	6.9
50°-60°	42.5	1.7
60°-70°	15.5	0.6
70°-80°	5.4	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°	1769.6	71.8
0°-40°	2231.4	90.5
0°-60°	2443.0	99.1
0°-90°	2465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2465.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3240	
5°	3128	290
15°	2505	701
25°	1736	779
35°	721	462
45°	211	169
55°	44	43
65°	15	16
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3239.9
2.5°	3211.1
5°	3127.7
7.5°	3001.1
10°	2847.1
12.5°	2677.4
15°	2504.7
17.5°	2337.1
20°	2168.1
22.5°	1971.7
25°	1736.5
27.5°	1466.0
30°	1185.5
32.5°	934.4
35°	720.8
37.5°	547.4
40°	410.7
42.5°	299.2
45°	210.8
47.5°	133.8
50°	84.9
52.5°	59.7
55°	43.9
57.5°	33.1
60°	25.2
62.5°	19.4
65°	15.1
67.5°	11.5
70°	8.6
72.5°	6.5
75°	5.0
77.5°	3.6
80°	2.2
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0



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— 0°-180°







(END OF REPORT)