

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: P684146

Luminaire Tested: **LX6C25D010 EX6C259035 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684146
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: LX6C25D010 EX6C259035 6LBMDH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

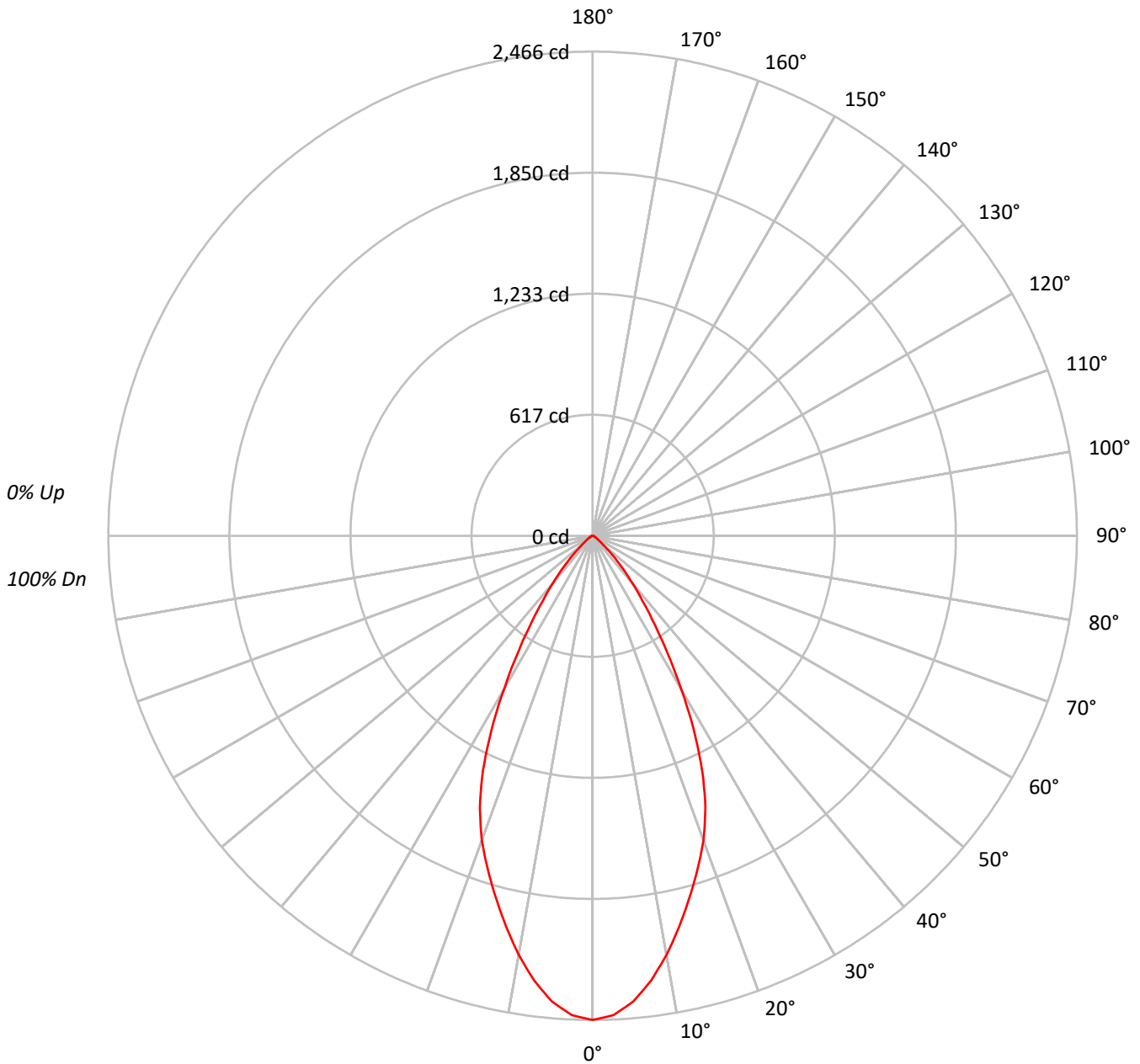
Lumens per Lamp: N/A
Luminaire Lumens: 1875.9 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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°	135170
5°	130987
10°	120617
15°	108185
20°	96258
25°	79940
30°	57110
35°	36707
40°	22370
45°	12435
50°	5509
55°	3192
60°	2105
65°	1492
70°	1058
75°	805
80°	505
85°	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.3	11.7
10°-20°	533.3	28.4
20°-30°	593.1	31.6
30°-40°	351.4	18.7
40°-50°	128.7	6.9
50°-60°	32.4	1.7
60°-70°	11.8	0.6
70°-80°	4.1	0.2
80°-90°	0.8	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°	1346.7	71.8
0°-40°	1698.2	90.5
0°-60°	1859.2	99.1
0°-90°	1875.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1875.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2466	
5°	2380	220
15°	1906	533
25°	1322	593
35°	548	351
45°	160	129
55°	33	32
65°	12	12
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2465.7
2.5°	2443.8
5°	2380.3
7.5°	2284.0
10°	2166.8
12.5°	2037.6
15°	1906.2
17.5°	1778.7
20°	1650.0
22.5°	1500.6
25°	1321.6
27.5°	1115.7
30°	902.2
32.5°	711.1
35°	548.5
37.5°	416.6
40°	312.6
42.5°	227.7
45°	160.4
47.5°	101.8
50°	64.6
52.5°	45.4
55°	33.4
57.5°	25.2
60°	19.2
62.5°	14.8
65°	11.5
67.5°	8.8
70°	6.6
72.5°	4.9
75°	3.8
77.5°	2.7
80°	1.6
82.5°	1.1
85°	0.5
87.5°	0.5
90°	0.0



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— 0°-180°







(END OF REPORT)