

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: P568279

Luminaire Tested: **LD6C150D010 EU61509027 6LBMWMH**

Issue Date: 10/10/2022



Test Information

Test Method: LM-79-08
Report Number: P568279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 10/10/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C150D010 EU61509027 6LBMWMH
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBM TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

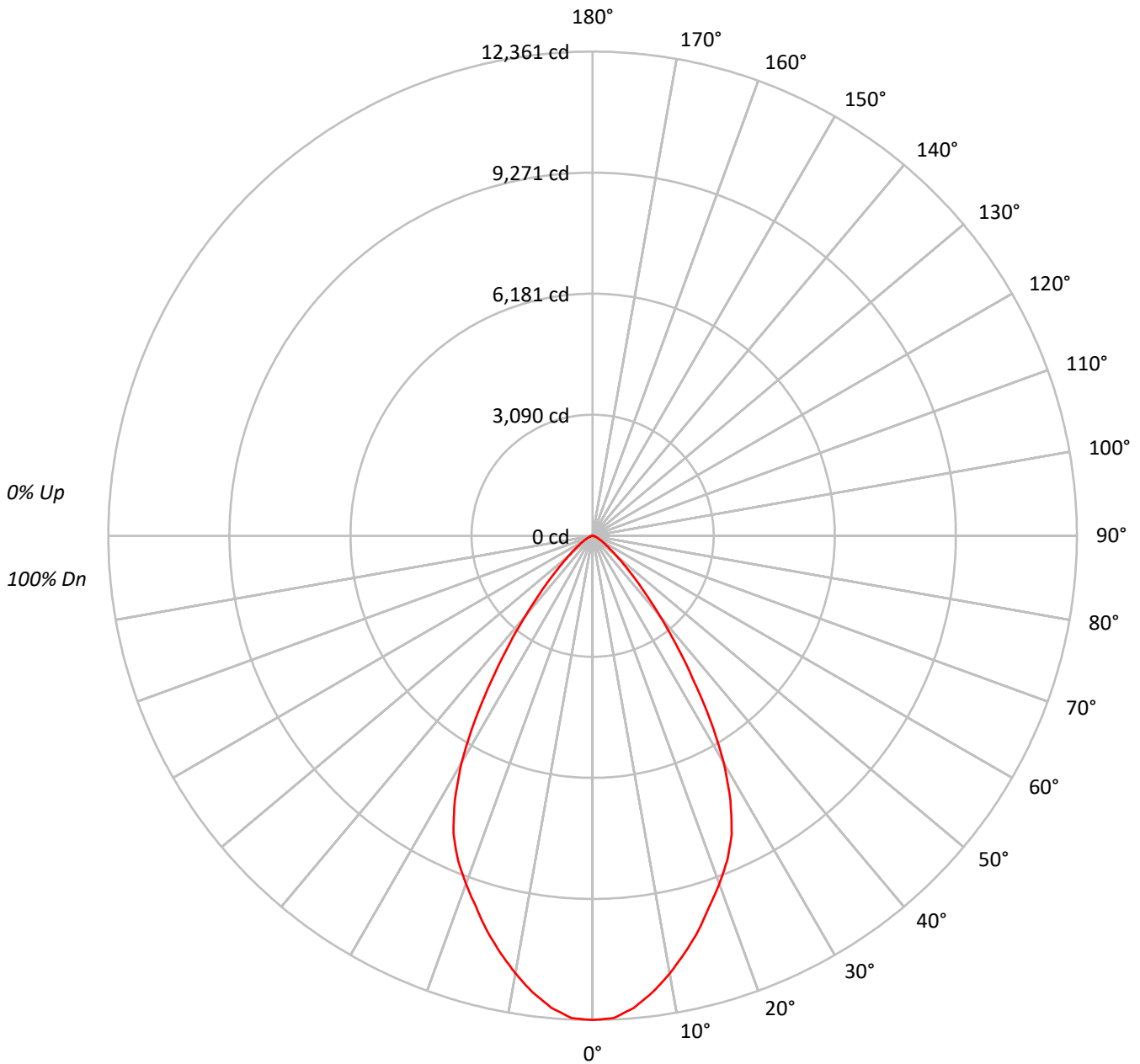
Lumens per Lamp: N/A
Luminaire Lumens: 12490.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 171.1
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				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				100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92				92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78				78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72				72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57				57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53				53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49				49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46				46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	677621
5°	665489
10°	631485
15°	592166
20°	551490
25°	508142
30°	423401
35°	298417
40°	190185
45°	113415
50°	66949
55°	42589
60°	29329
65°	20819
70°	14329
75°	11332
80°	5556
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.2	9.0
10°-20°	2923.7	23.4
20°-30°	3788.4	30.3
30°-40°	2812.6	22.5
40°-50°	1187.3	9.5
50°-60°	421.5	3.4
60°-70°	162.7	1.3
70°-80°	56.3	0.5
80°-90°	7.2	0.1
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°	7842.3	62.8
0°-40°	10654.9	85.3
0°-60°	12263.7	98.2
0°-90°	12490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12490.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12361	
5°	12093	###
15°	10434	2924
25°	8401	3788
35°	4459	2813
45°	1463	1187
55°	446	422
65°	160	163
75°	54	56
85°	0	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12360.8
2.5°	12324.9
5°	12093.3
7.5°	11753.9
10°	11344.2
12.5°	10897.9
15°	10433.9
17.5°	9917.2
20°	9453.3
22.5°	8971.7
25°	8400.8
27.5°	7615.8
30°	6688.7
32.5°	5600.3
35°	4459.1
37.5°	3496.1
40°	2657.6
42.5°	1979.6
45°	1462.9
47.5°	1070.1
50°	785.0
52.5°	588.5
55°	445.6
57.5°	338.6
60°	267.5
62.5°	196.4
65°	160.5
67.5°	124.6
70°	89.4
72.5°	71.1
75°	53.5
77.5°	35.9
80°	17.6
82.5°	17.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)