

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: P839485

Luminaire Tested: **LD6C25D010 EU6259050 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25D010 EU6259050 6LCSQWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

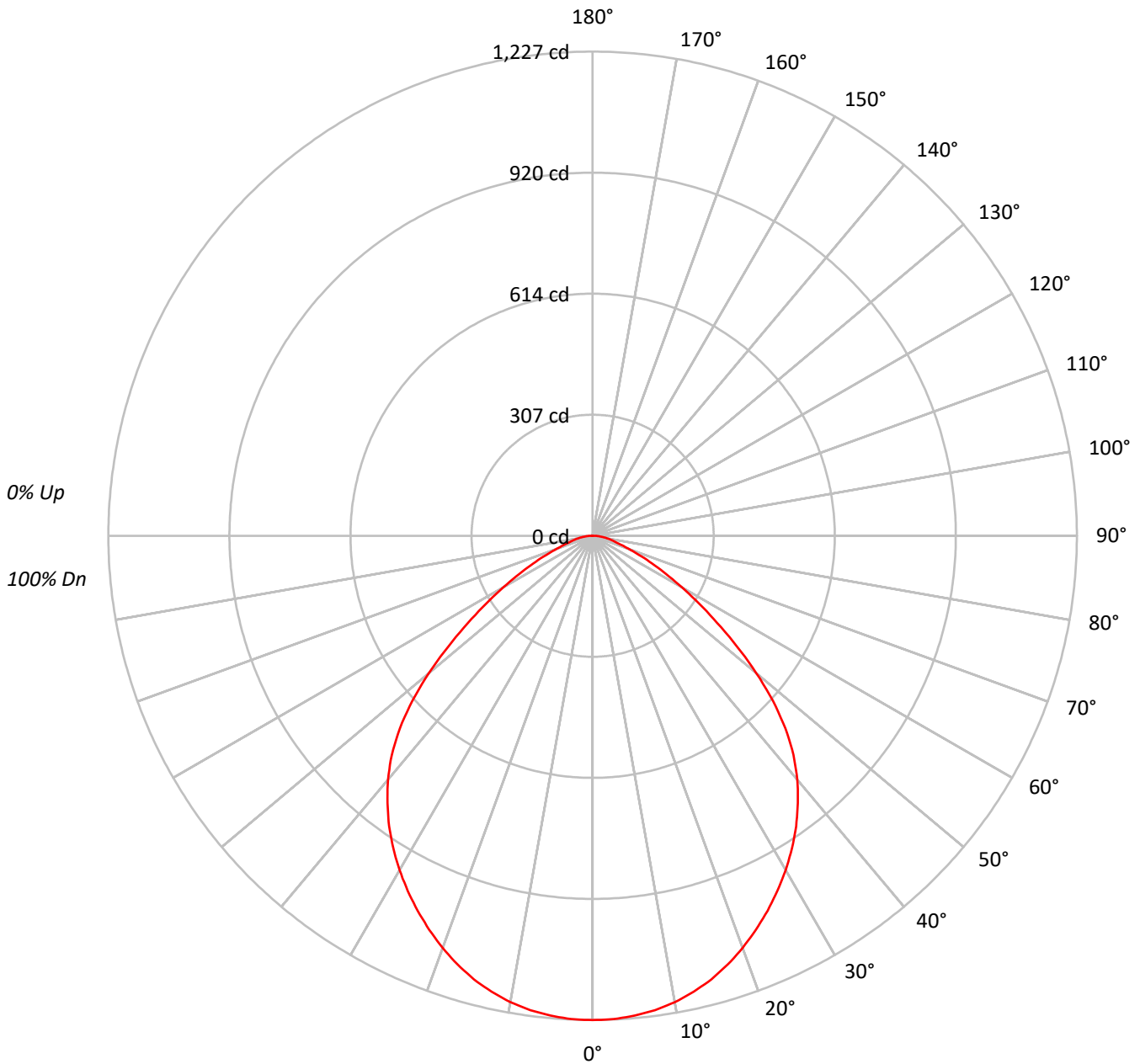
Lumens per Lamp: N/A
Luminaire Lumens: 2617.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52842
5°	52759
10°	52473
15°	51862
20°	50923
25°	49820
30°	48633
35°	47247
40°	45346
45°	42063
50°	36238
55°	28908
60°	22501
65°	16840
70°	12224
75°	9698
80°	9075
85°	9040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	4.4
10°-20°	327.7	12.5
20°-30°	482.9	18.5
30°-40°	561.0	21.4
40°-50°	527.3	20.1
50°-60°	349.0	13.3
60°-70°	168.2	6.4
70°-80°	64.9	2.5
80°-90°	20.2	0.8
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°	926.5	35.4
0°-40°	1487.4	56.8
0°-60°	2363.7	90.3
0°-90°	2617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2617.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1227	
5°	1221	116
15°	1164	328
25°	1049	483
35°	899	561
45°	691	527
55°	385	349
65°	165	168
75°	58	65
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1227.3
2.5°	1226.2
5°	1220.7
7.5°	1212.4
10°	1200.2
12.5°	1183.5
15°	1163.5
17.5°	1139.1
20°	1111.4
22.5°	1080.9
25°	1048.7
27.5°	1014.3
30°	978.2
32.5°	939.9
35°	898.9
37.5°	853.9
40°	806.8
42.5°	753.5
45°	690.8
47.5°	619.8
50°	541.0
52.5°	461.1
55°	385.1
57.5°	319.6
60°	261.3
62.5°	209.2
65°	165.3
67.5°	128.2
70°	97.1
72.5°	73.8
75°	58.3
77.5°	47.2
80°	36.6
82.5°	27.2
85°	18.3
87.5°	10.5
90°	0.0



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— 0°-180°







(END OF REPORT)