

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: P839538

Luminaire Tested: **LD6C80D010 EU6809035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839538
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: LD6C80D010 EU6809035 6LCSQWLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

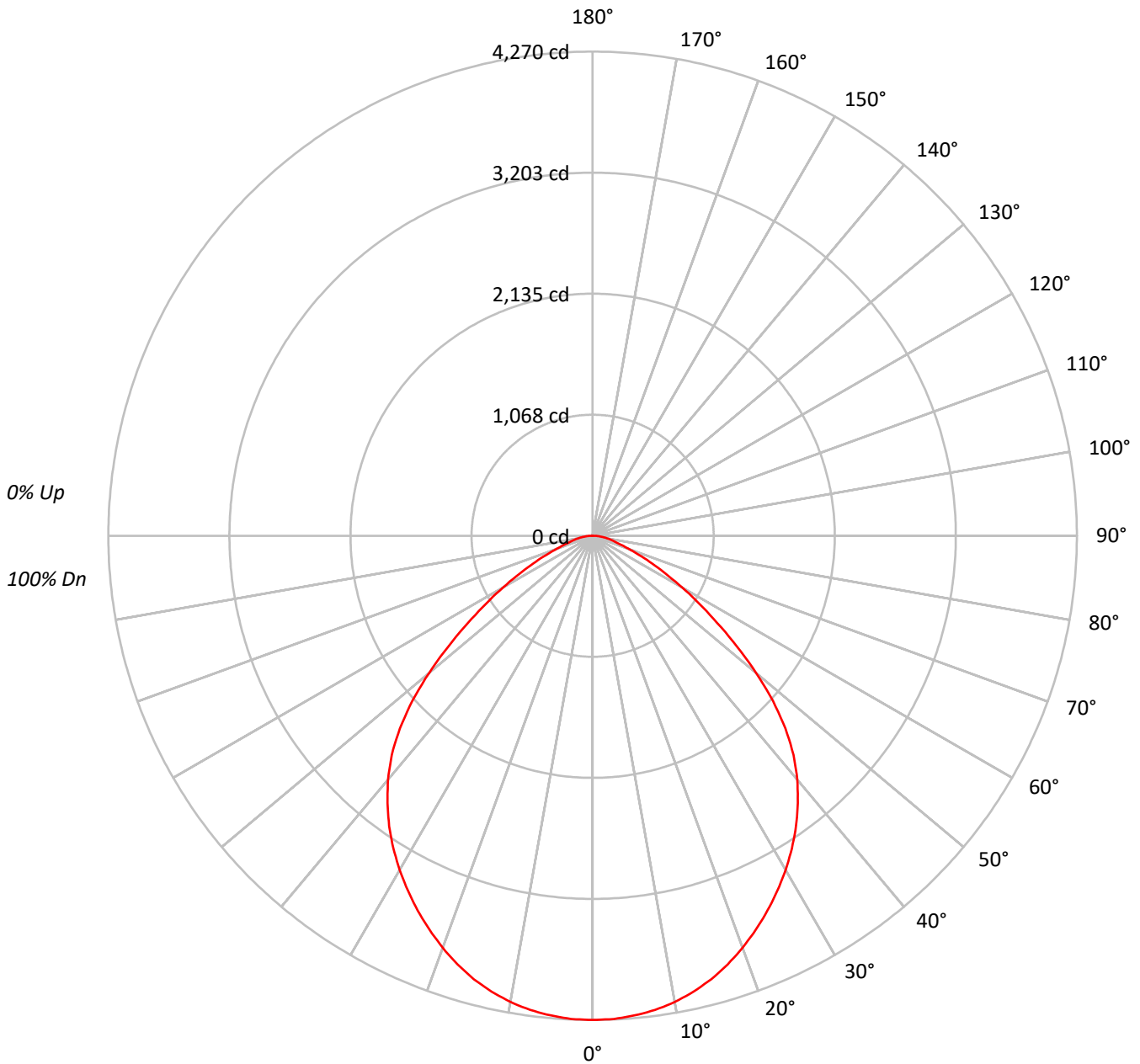
Lumens per Lamp: N/A
Luminaire Lumens: 9104.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
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	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183835
5°	183534
10°	182535
15°	180424
20°	177150
25°	173309
30°	169185
35°	164359
40°	157745
45°	146325
50°	126061
55°	100557
60°	78284
65°	58600
70°	42524
75°	33720
80°	31589
85°	31468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.1	4.4
10°-20°	1139.9	12.5
20°-30°	1679.9	18.5
30°-40°	1951.4	21.4
40°-50°	1834.3	20.1
50°-60°	1214.2	13.3
60°-70°	585.1	6.4
70°-80°	225.6	2.5
80°-90°	70.4	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°	3222.9	35.4
0°-40°	5174.4	56.8
0°-60°	8222.9	90.3
0°-90°	9104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9104.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4270	
5°	4246	403
15°	4048	1140
25°	3648	1680
35°	3127	1951
45°	2403	1834
55°	1340	1214
65°	575	585
75°	203	226
85°	64	70
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4269.7
2.5°	4265.8
5°	4246.5
7.5°	4217.6
10°	4175.1
12.5°	4117.2
15°	4047.7
17.5°	3962.8
20°	3866.3
22.5°	3760.1
25°	3648.1
27.5°	3528.5
30°	3403.0
32.5°	3269.8
35°	3127.0
37.5°	2970.6
40°	2806.6
42.5°	2621.3
45°	2403.1
47.5°	2156.1
50°	1882.0
52.5°	1604.0
55°	1339.6
57.5°	1111.8
60°	909.1
62.5°	727.7
65°	575.2
67.5°	445.9
70°	337.8
72.5°	256.7
75°	202.7
77.5°	164.1
80°	127.4
82.5°	94.6
85°	63.7
87.5°	36.7
90°	0.0



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— 0°-180°







(END OF REPORT)