

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: P839536

Luminaire Tested: **LD6C80D010 EU6809027 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839536
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 EU6809027 6LCSQWLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

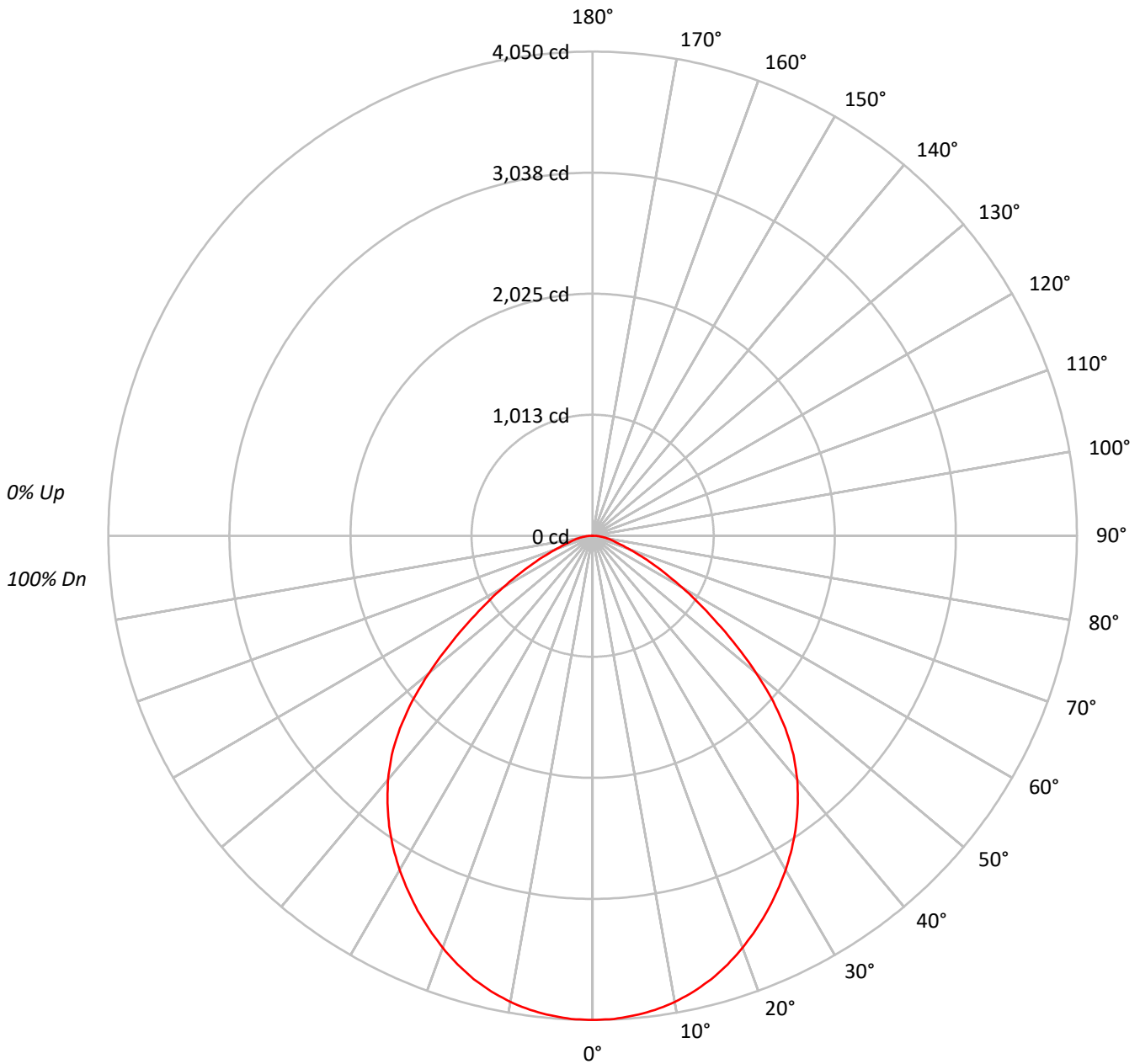
Lumens per Lamp: N/A
Luminaire Lumens: 8635.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	174363
5°	174082
10°	173131
15°	171130
20°	168022
25°	164383
30°	160470
35°	155891
40°	149618
45°	138786
50°	119564
55°	95378
60°	74254
65°	55585
70°	40334
75°	31973
80°	29952
85°	29838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.4	4.4
10°-20°	1081.2	12.5
20°-30°	1593.3	18.5
30°-40°	1850.9	21.4
40°-50°	1739.8	20.1
50°-60°	1151.7	13.3
60°-70°	554.9	6.4
70°-80°	214.0	2.5
80°-90°	66.8	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°	3056.9	35.4
0°-40°	4907.8	56.8
0°-60°	7799.3	90.3
0°-90°	8635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8635.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4050	
5°	4028	382
15°	3839	1081
25°	3460	1593
35°	2966	1851
45°	2279	1740
55°	1271	1152
65°	546	555
75°	192	214
85°	60	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4049.7
2.5°	4046.1
5°	4027.8
7.5°	4000.3
10°	3960.0
12.5°	3905.1
15°	3839.2
17.5°	3758.6
20°	3667.1
22.5°	3566.4
25°	3460.2
27.5°	3346.7
30°	3227.7
32.5°	3101.4
35°	2965.9
37.5°	2817.6
40°	2662.0
42.5°	2486.2
45°	2279.3
47.5°	2045.0
50°	1785.0
52.5°	1521.4
55°	1270.6
57.5°	1054.5
60°	862.3
62.5°	690.2
65°	545.6
67.5°	422.9
70°	320.4
72.5°	243.5
75°	192.2
77.5°	155.6
80°	120.8
82.5°	89.7
85°	60.4
87.5°	34.8
90°	0.0



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— 0°-180°







(END OF REPORT)