

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: P839504

Luminaire Tested: **LD6C45D010 EU6459040 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839504
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: LD6C45D010 EU6459040 6LCSQWLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

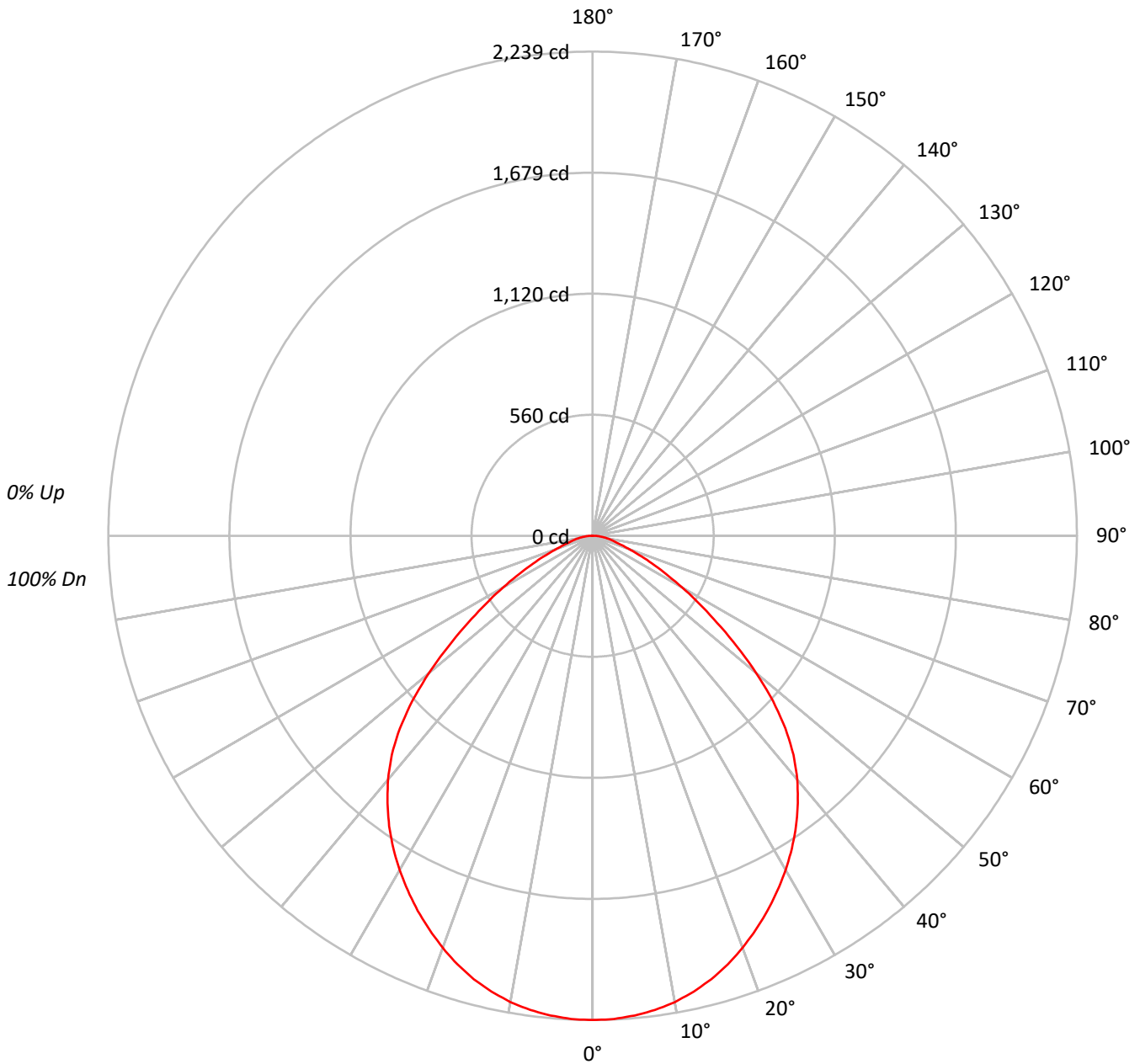
Lumens per Lamp: N/A
Luminaire Lumens: 4773.9 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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°	96402
5°	96243
10°	95720
15°	94614
20°	92893
25°	90880
30°	88719
35°	86185
40°	82717
45°	76733
50°	66105
55°	52733
60°	41049
65°	30727
70°	22294
75°	17683
80°	16563
85°	16500



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.4	4.4
10°-20°	597.8	12.5
20°-30°	880.9	18.5
30°-40°	1023.3	21.4
40°-50°	961.9	20.1
50°-60°	636.7	13.3
60°-70°	306.8	6.4
70°-80°	118.3	2.5
80°-90°	36.9	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°	1690.0	35.4
0°-40°	2713.4	56.8
0°-60°	4311.9	90.3
0°-90°	4773.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4773.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2239	
5°	2227	211
15°	2123	598
25°	1913	881
35°	1640	1023
45°	1260	962
55°	702	637
65°	302	307
75°	106	118
85°	33	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2239.0
2.5°	2236.9
5°	2226.8
7.5°	2211.6
10°	2189.4
12.5°	2159.0
15°	2122.6
17.5°	2078.0
20°	2027.4
22.5°	1971.7
25°	1913.0
27.5°	1850.3
30°	1784.5
32.5°	1714.6
35°	1639.7
37.5°	1557.8
40°	1471.7
42.5°	1374.5
45°	1260.2
47.5°	1130.6
50°	986.9
52.5°	841.1
55°	702.5
57.5°	583.0
60°	476.7
62.5°	381.6
65°	301.6
67.5°	233.8
70°	177.1
72.5°	134.6
75°	106.3
77.5°	86.0
80°	66.8
82.5°	49.6
85°	33.4
87.5°	19.2
90°	0.0



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— 0°-180°







(END OF REPORT)