

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: P839501

Luminaire Tested: **LD6C45D010 EU6459027 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839501
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 EU6459027 6LCSQWLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

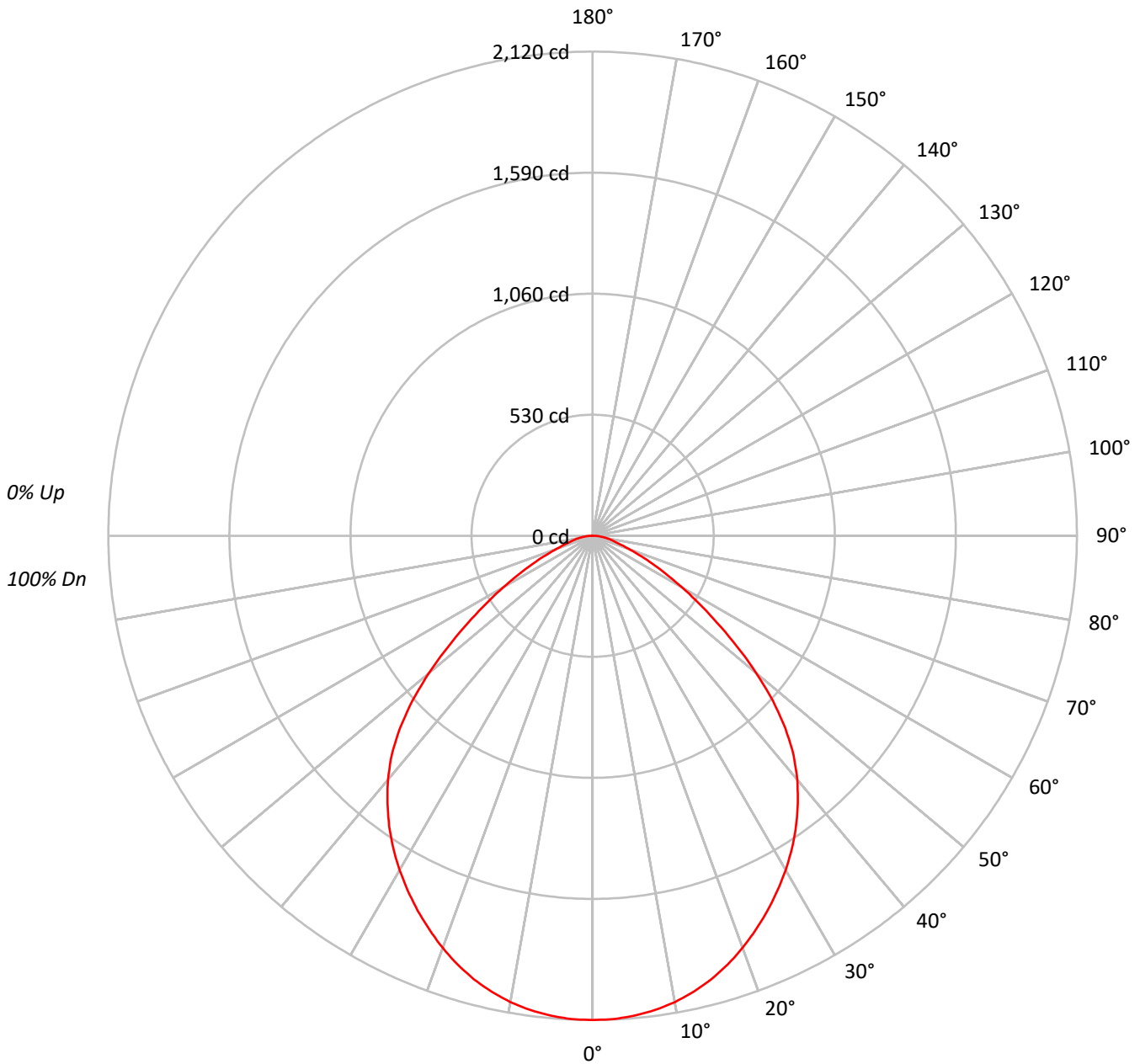
Lumens per Lamp: N/A
Luminaire Lumens: 4521.0 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	91291
5°	91143
10°	90644
15°	89599
20°	87972
25°	86063
30°	84016
35°	81617
40°	78333
45°	72666
50°	62602
55°	49933
60°	38879
65°	29096
70°	21111
75°	16735
80°	15695
85°	15611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.2	4.4
10°-20°	566.1	12.5
20°-30°	834.2	18.5
30°-40°	969.1	21.4
40°-50°	910.9	20.1
50°-60°	603.0	13.3
60°-70°	290.5	6.4
70°-80°	112.0	2.5
80°-90°	35.0	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°	1600.5	35.4
0°-40°	2569.6	56.8
0°-60°	4083.4	90.3
0°-90°	4521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4521.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2120	
5°	2109	200
15°	2010	566
25°	1812	834
35°	1553	969
45°	1193	911
55°	665	603
65°	286	291
75°	101	112
85°	32	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2120.3
2.5°	2118.4
5°	2108.8
7.5°	2094.4
10°	2073.3
12.5°	2044.6
15°	2010.1
17.5°	1967.9
20°	1920.0
22.5°	1867.2
25°	1811.6
27.5°	1752.2
30°	1689.9
32.5°	1623.8
35°	1552.8
37.5°	1475.2
40°	1393.7
42.5°	1301.7
45°	1193.4
47.5°	1070.7
50°	934.6
52.5°	796.6
55°	665.2
57.5°	552.1
60°	451.5
62.5°	361.4
65°	285.6
67.5°	221.4
70°	167.7
72.5°	127.5
75°	100.6
77.5°	81.5
80°	63.3
82.5°	47.0
85°	31.6
87.5°	18.2
90°	0.0



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— 0°-180°







(END OF REPORT)