

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: P839505

Luminaire Tested: **LD6C45D010 EU6459050 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839505
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 EU6459050 6LCSQWLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

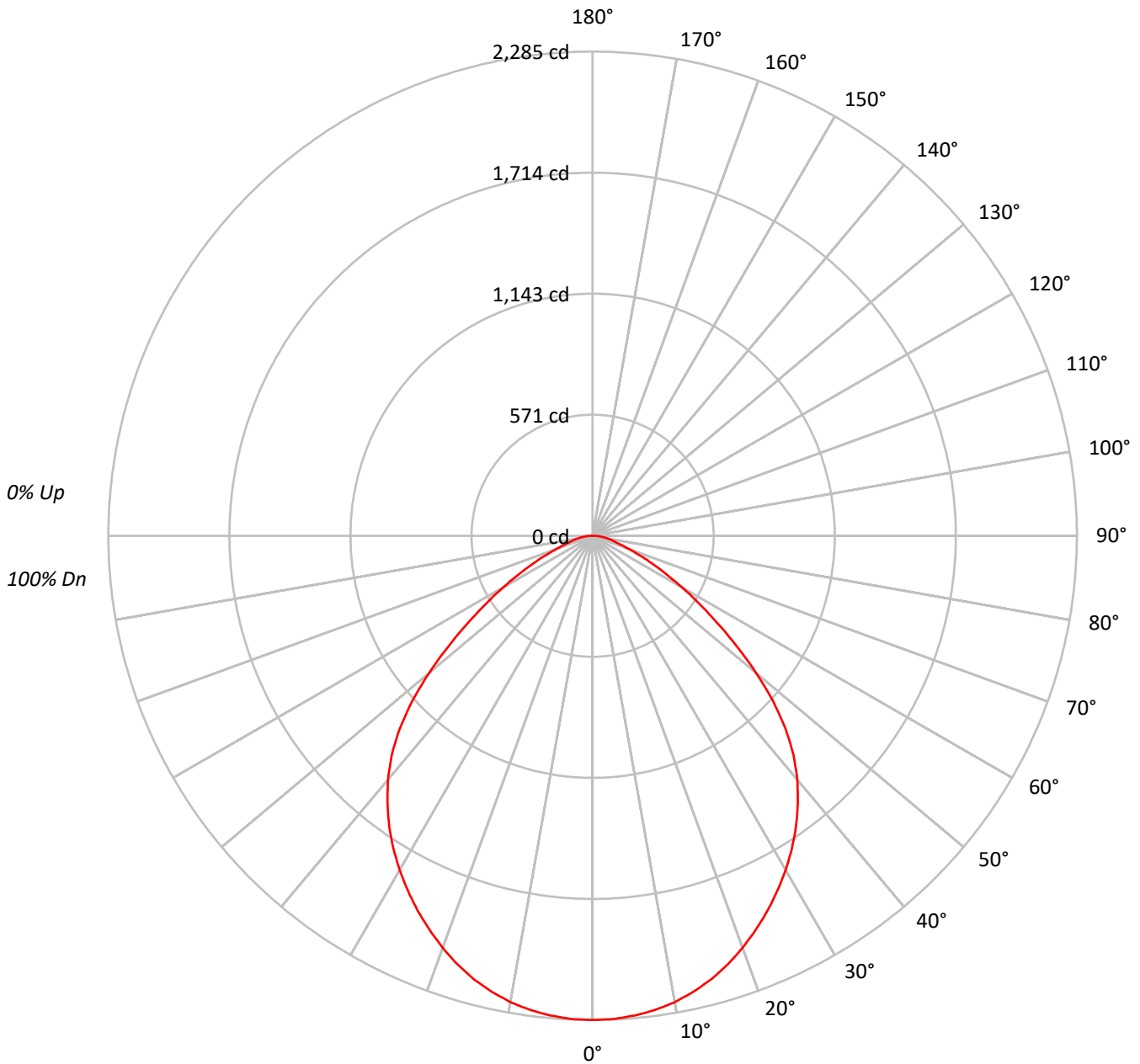
Lumens per Lamp: N/A
Luminaire Lumens: 4872.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	98378
5°	98218
10°	97683
15°	96553
20°	94799
25°	92747
30°	90539
35°	87956
40°	84415
45°	78304
50°	67458
55°	53814
60°	41893
65°	31358
70°	22760
75°	18049
80°	16910
85°	16846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.7	4.4
10°-20°	610.0	12.5
20°-30°	899.0	18.5
30°-40°	1044.3	21.4
40°-50°	981.6	20.1
50°-60°	649.8	13.3
60°-70°	313.1	6.4
70°-80°	120.8	2.5
80°-90°	37.7	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°	1724.7	35.4
0°-40°	2769.0	56.8
0°-60°	4400.5	90.3
0°-90°	4872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4872.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2285	
5°	2272	216
15°	2166	610
25°	1952	899
35°	1673	1044
45°	1286	982
55°	717	650
65°	308	313
75°	108	121
85°	34	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2284.9
2.5°	2282.8
5°	2272.5
7.5°	2257.0
10°	2234.3
12.5°	2203.3
15°	2166.1
17.5°	2120.7
20°	2069.0
22.5°	2012.2
25°	1952.3
27.5°	1888.3
30°	1821.1
32.5°	1749.8
35°	1673.4
37.5°	1589.7
40°	1501.9
42.5°	1402.8
45°	1286.0
47.5°	1153.8
50°	1007.1
52.5°	858.4
55°	716.9
57.5°	595.0
60°	486.5
62.5°	389.4
65°	307.8
67.5°	238.6
70°	180.8
72.5°	137.4
75°	108.5
77.5°	87.8
80°	68.2
82.5°	50.6
85°	34.1
87.5°	19.6
90°	0.0



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— 0°-180°







(END OF REPORT)