

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: P839531

Luminaire Tested: **LD6C75D010 EU6759027 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839531
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: LD6C75D010 EU6759027 6LCSQWLI
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

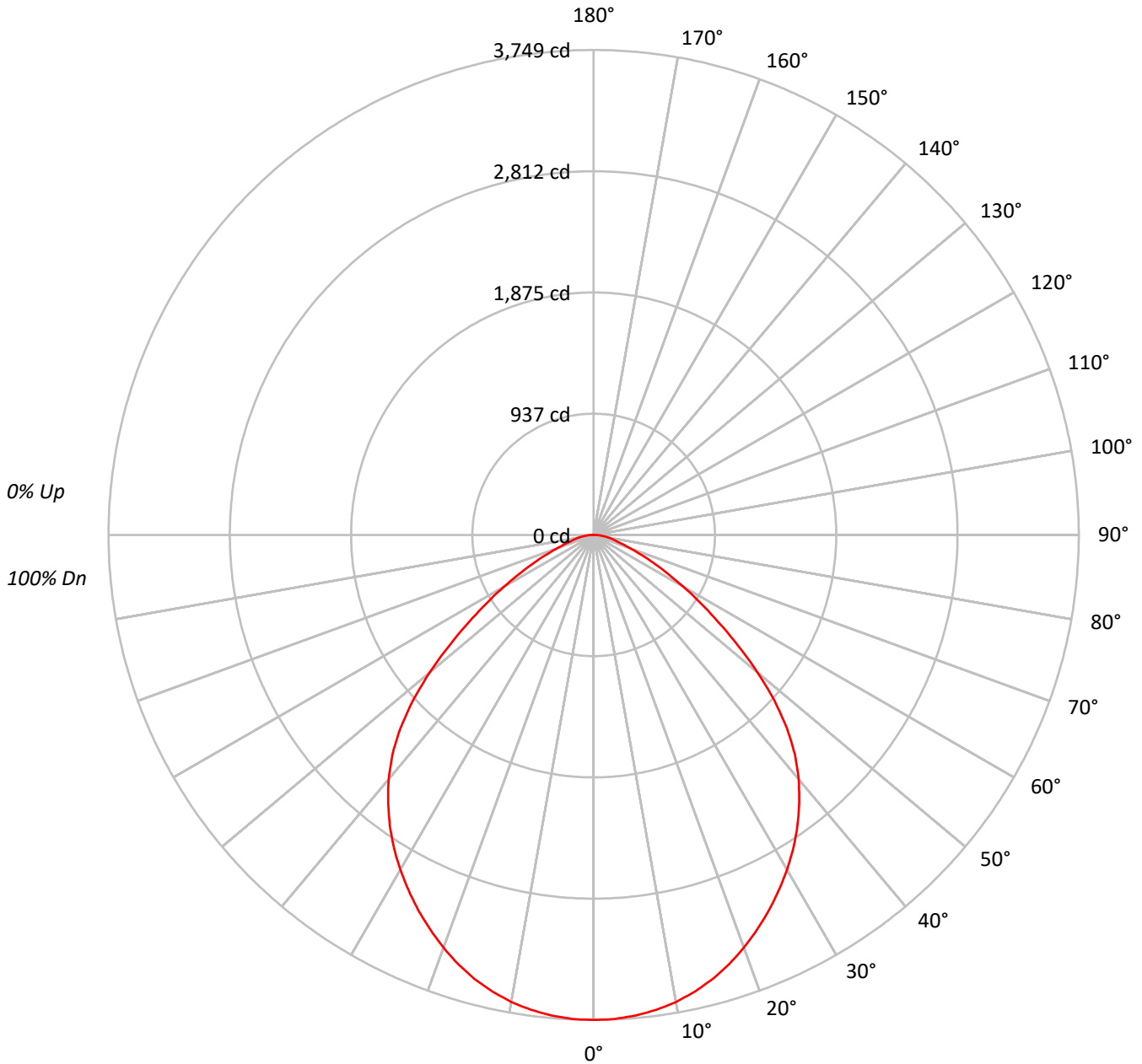
Lumens per Lamp: N/A
Luminaire Lumens: 7994.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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

TEST NUMBER: P839531

CATALOG NUMBER: LD6C75D010 EU6759027 6LCSQWLI

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°	161420
5°	161159
10°	160277
15°	158427
20°	155551
25°	152178
30°	148558
35°	144317
40°	138512
45°	128484
50°	110689
55°	88299
60°	68743
65°	51459
70°	37338
75°	29611
80°	27745
85°	27615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.0	4.4
10°-20°	1000.9	12.5
20°-30°	1475.0	18.5
30°-40°	1713.5	21.4
40°-50°	1610.7	20.1
50°-60°	1066.2	13.3
60°-70°	513.8	6.4
70°-80°	198.1	2.5
80°-90°	61.8	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°	2830.0	35.4
0°-40°	4543.5	56.8
0°-60°	7220.3	90.3
0°-90°	7994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7994.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3749	
5°	3729	354
15°	3554	1001
25°	3203	1475
35°	2746	1714
45°	2110	1611
55°	1176	1066
65°	505	514
75°	178	198
85°	56	62
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3749.1
2.5°	3745.7
5°	3728.8
7.5°	3703.3
10°	3666.0
12.5°	3615.2
15°	3554.2
17.5°	3479.6
20°	3394.9
22.5°	3301.6
25°	3203.3
27.5°	3098.3
30°	2988.1
32.5°	2871.1
35°	2745.7
37.5°	2608.4
40°	2464.4
42.5°	2301.7
45°	2110.1
47.5°	1893.2
50°	1652.5
52.5°	1408.5
55°	1176.3
57.5°	976.3
60°	798.3
62.5°	639.0
65°	505.1
67.5°	391.5
70°	296.6
72.5°	225.4
75°	178.0
77.5°	144.1
80°	111.9
82.5°	83.0
85°	55.9
87.5°	32.2
90°	0.0



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— 0°-180°







(END OF REPORT)