

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: P839497

Luminaire Tested: **LD6C40D010 EU6409030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839497
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: LD6C40D010 EU6409030 6LCSQWLI
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

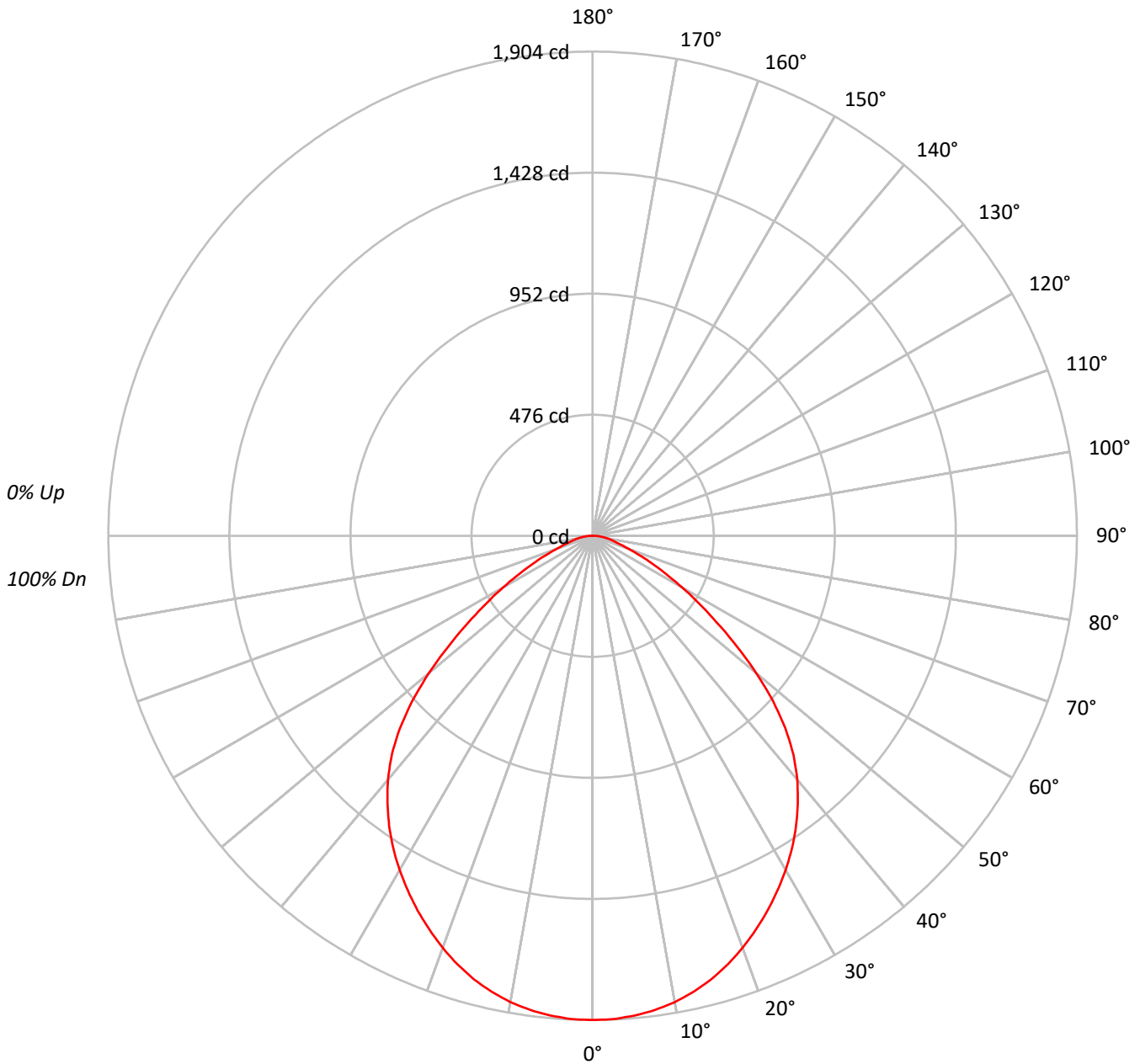
Lumens per Lamp: N/A
Luminaire Lumens: 4060.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	81982
5°	81850
10°	81402
15°	80461
20°	79001
25°	77289
30°	75450
35°	73297
40°	70346
45°	65256
50°	56219
55°	44844
60°	34910
65°	26132
70°	18958
75°	15038
80°	14083
85°	14030



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	4.4
10°-20°	508.4	12.5
20°-30°	749.1	18.5
30°-40°	870.3	21.4
40°-50°	818.0	20.1
50°-60°	541.5	13.3
60°-70°	260.9	6.4
70°-80°	100.6	2.5
80°-90°	31.4	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°	1437.3	35.4
0°-40°	2307.5	56.8
0°-60°	3667.0	90.3
0°-90°	4060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4060.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1904	
5°	1894	180
15°	1805	508
25°	1627	749
35°	1394	870
45°	1072	818
55°	597	541
65°	256	261
75°	90	101
85°	28	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1904.1
2.5°	1902.4
5°	1893.8
7.5°	1880.9
10°	1861.9
12.5°	1836.1
15°	1805.1
17.5°	1767.2
20°	1724.2
22.5°	1676.8
25°	1626.9
27.5°	1573.5
30°	1517.6
32.5°	1458.2
35°	1394.5
37.5°	1324.8
40°	1251.6
42.5°	1169.0
45°	1071.7
47.5°	961.5
50°	839.3
52.5°	715.3
55°	597.4
57.5°	495.8
60°	405.4
62.5°	324.5
65°	256.5
67.5°	198.8
70°	150.6
72.5°	114.5
75°	90.4
77.5°	73.2
80°	56.8
82.5°	42.2
85°	28.4
87.5°	16.4
90°	0.0



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— 0°-180°







(END OF REPORT)