

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: P#

Luminaire Tested: **LD4C35D010 EX4C359027 4LCSQWLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35D010 EX4C359027 4LCSQWLI
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

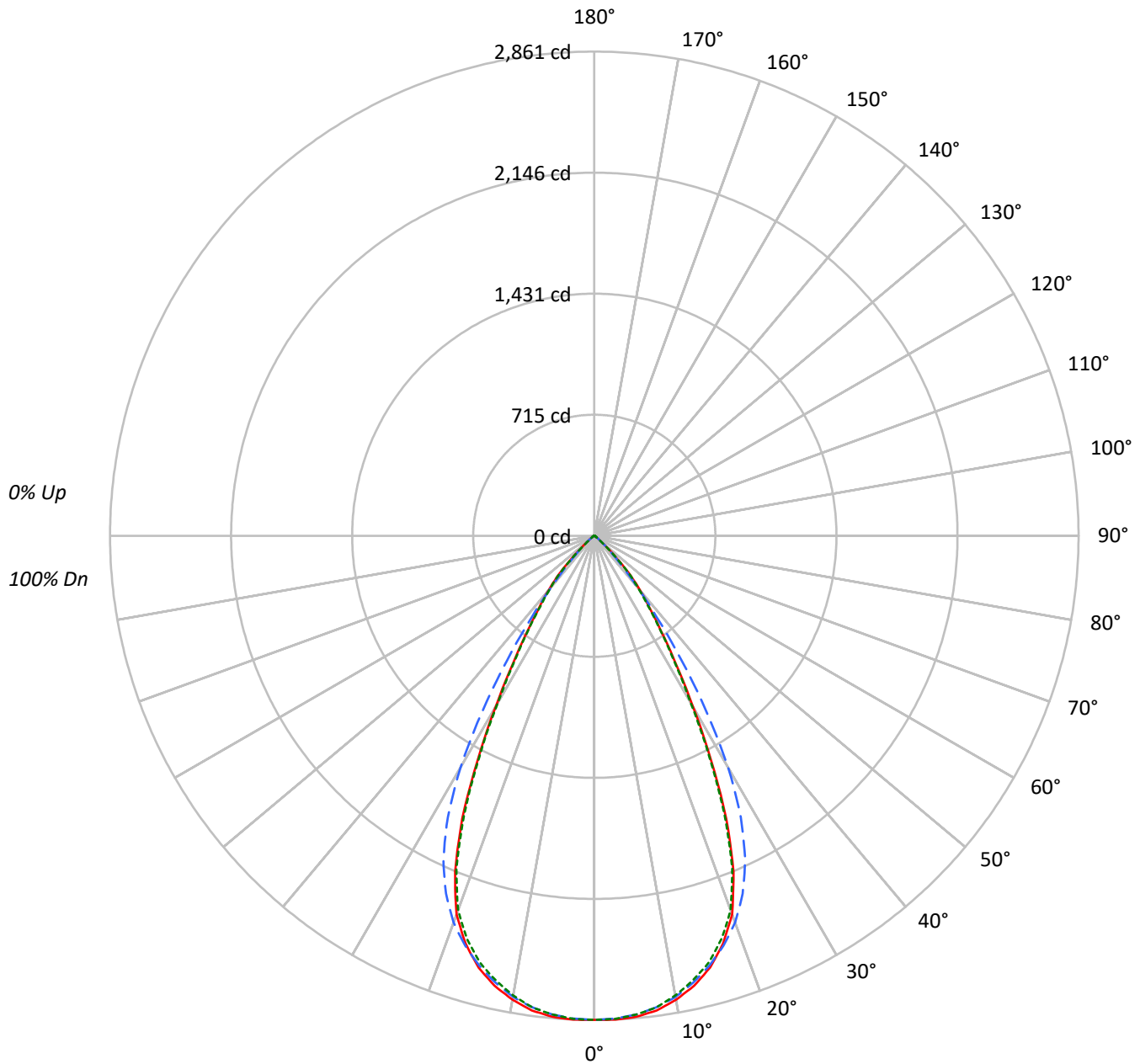
Lumens per Lamp: N/A
Luminaire Lumens: 2561.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81		
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76		
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71		
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66		
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62		
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58		
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55		
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	276026	276026	276026
5°	276315	275046	275046
10°	272681	271074	270241
15°	263836	262588	260820
20°	244341	249670	241640
25°	196457	224585	193870
30°	129677	176093	126602
35°	81052	105741	79580
40°	52889	48997	50824
45°	25463	19554	24030
50°	6410	7791	6019
55°	3533	3213	3432
60°	2412	2026	2277
65°	1644	1507	1644
70°	1298	1100	1298
75°	969	969	969
80°	722	1111	1111
85°	775	1439	1439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.0	10.5
10°-20°	734.7	28.7
20°-30°	875.5	34.2
30°-40°	495.8	19.4
40°-50°	153.3	6.0
50°-60°	21.3	0.8
60°-70°	7.3	0.3
70°-80°	2.9	0.1
80°-90°	1.2	0.0
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°	1879.3	73.4
0°-40°	2375.0	92.7
0°-60°	2549.6	99.6
0°-90°	2561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2561.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2861	2861	2861	2861	2861	
5°	2853	2846	2840	2838	2840	270
15°	2641	2637	2629	2618	2611	736
25°	1845	1953	2110	1956	1821	823
35°	688	750	898	752	676	448
45°	187	218	143	212	176	154
55°	21	21	19	20	20	21
65°	7	7	7	7	7	8
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2860.7	2860.7	2860.7	2860.7	2860.7
2.5°	2861.3	2856.7	2855.4	2854.1	2856.7
5°	2852.8	2846.2	2839.7	2837.7	2839.7
7.5°	2828.5	2821.9	2810.7	2808.1	2810.1
10°	2783.1	2777.2	2766.7	2760.8	2758.2
12.5°	2723.3	2713.5	2703.6	2697.0	2690.5
15°	2641.2	2636.6	2628.7	2618.2	2611.0
17.5°	2527.5	2534.1	2538.7	2517.6	2498.6
20°	2379.6	2403.9	2431.5	2388.8	2353.3
22.5°	2149.0	2218.6	2288.9	2208.1	2129.2
25°	1845.3	1953.1	2109.5	1956.4	1821.0
27.5°	1491.1	1627.8	1874.3	1628.5	1471.4
30°	1163.9	1304.5	1580.5	1286.1	1136.3
32.5°	893.8	998.9	1234.8	983.1	874.7
35°	688.1	750.5	897.7	752.5	675.6
37.5°	534.9	566.5	603.9	555.3	519.2
40°	419.9	421.2	389.0	414.7	403.5
42.5°	311.5	310.2	239.2	302.3	304.3
45°	186.6	217.5	143.3	211.6	176.1
47.5°	88.7	122.9	86.1	116.3	82.1
50°	42.7	59.1	51.9	55.2	40.1
52.5°	28.9	30.2	29.6	28.9	27.6
55°	21.0	21.0	19.1	20.4	20.4
57.5°	15.8	15.8	13.8	15.1	15.1
60°	12.5	11.8	10.5	11.8	11.8
62.5°	9.2	9.2	7.9	9.2	9.2
65°	7.2	7.2	6.6	7.2	7.2
67.5°	5.9	5.9	4.6	5.9	5.3
70°	4.6	4.6	3.9	4.6	4.6
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.3	1.3	2.0	2.0	2.0
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	1.3	1.3	1.3	1.3
87.5°	0.7	0.7	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)