

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: P563830

Luminaire Tested: **LD4C35D010 EX4C359030 4LCSQWLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563830
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 EX4C359030 4LCSQWLI
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

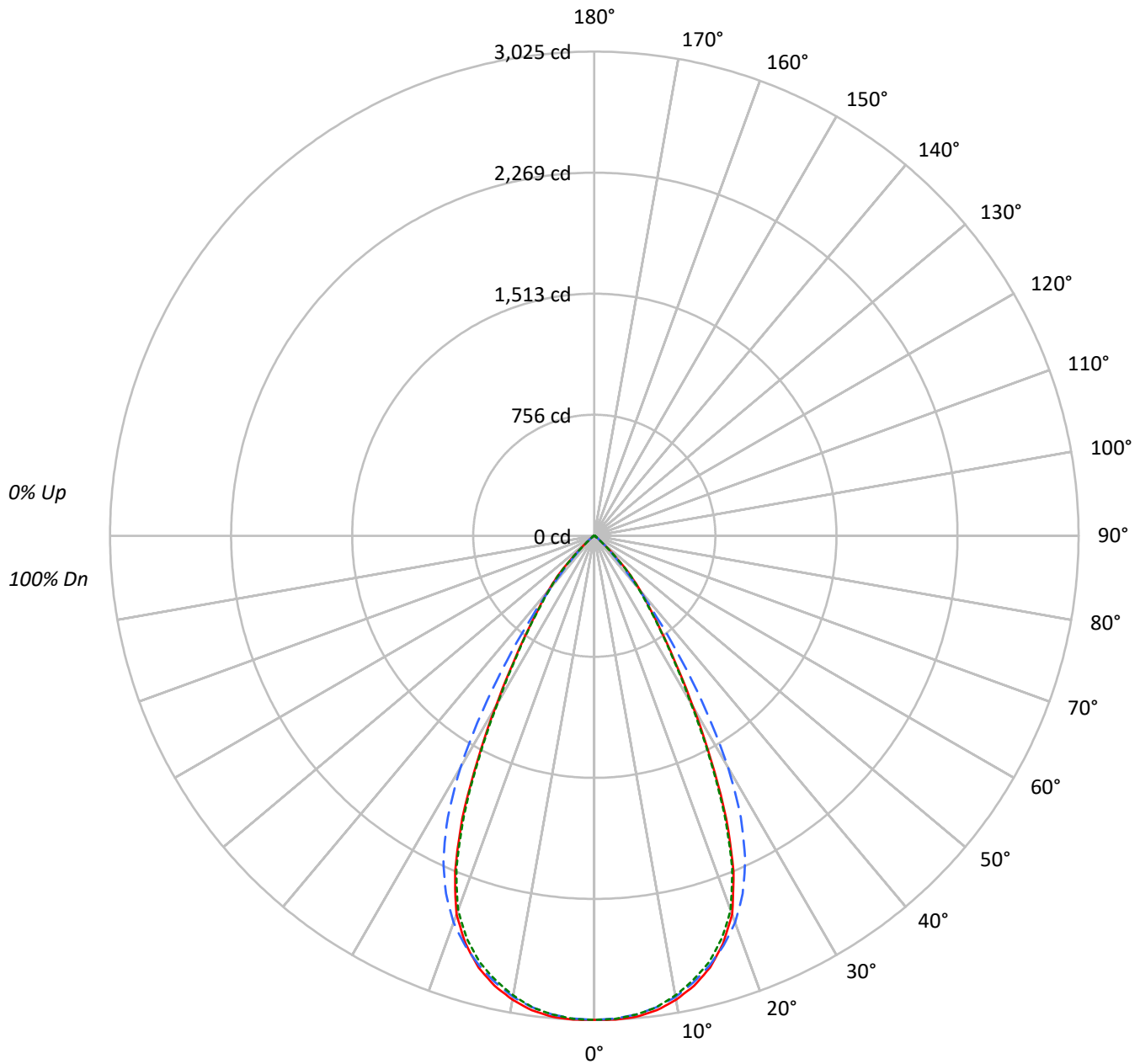
Lumens per Lamp: N/A
Luminaire Lumens: 2707.7 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	111	108	106	111	109	106	104		105	103	101			101	100	98			97
2	108	103	99	96	106	102	98	95		98	95	93			95	93	91			93
3	103	96	91	88	101	95	90	87		92	89	85			90	87	84			88
4	98	90	85	80	96	89	84	80		87	82	79			85	81	78			83
5	93	84	79	74	91	84	78	74		82	77	73			80	76	73			79
6	88	79	73	69	87	79	73	69		77	72	68			76	71	68			74
7	84	75	69	65	82	74	68	64		73	68	64			71	67	64			70
8	80	70	64	60	79	70	64	60		69	64	60			68	63	60			67
9	76	66	61	57	75	66	60	57		65	60	56			64	60	56			63
10	72	63	57	53	71	62	57	53		62	57	53			61	56	53			60

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	291840	291840	291840
5°	292151	290805	290805
10°	288318	286613	285722
15°	278960	277642	275764
20°	258346	263983	255502
25°	207721	237457	204996
30°	137108	186187	133855
35°	85693	111796	84138
40°	55925	51819	53733
45°	26923	20673	25408
50°	6785	8241	6365
55°	3751	3381	3634
60°	2547	2142	2412
65°	1735	1575	1735
70°	1382	1185	1382
75°	1007	1007	1007
80°	778	1111	1111
85°	775	1550	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.5	10.5
10°-20°	776.8	28.7
20°-30°	925.7	34.2
30°-40°	524.2	19.4
40°-50°	162.1	6.0
50°-60°	22.5	0.8
60°-70°	7.7	0.3
70°-80°	3.0	0.1
80°-90°	1.3	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°	1987.0	73.4
0°-40°	2511.2	92.7
0°-60°	2695.8	99.6
0°-90°	2707.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3025	3025	3025	3025	3025	
5°	3016	3009	3002	3000	3002	286
15°	2793	2788	2779	2768	2761	779
25°	1951	2065	2230	2069	1926	870
35°	728	794	949	796	714	473
45°	197	230	152	224	186	163
55°	22	22	20	22	22	22
65°	8	8	7	8	8	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°	3024.6	3024.6	3024.6	3024.6	3024.6
2.5°	3025.4	3020.5	3019.0	3017.7	3020.5
5°	3016.3	3009.4	3002.4	3000.3	3002.4
7.5°	2990.6	2983.7	2971.9	2969.1	2971.1
10°	2942.7	2936.5	2925.3	2919.1	2916.2
12.5°	2879.4	2869.0	2858.5	2851.6	2844.7
15°	2792.6	2787.7	2779.4	2768.2	2760.6
17.5°	2672.4	2679.3	2684.2	2661.9	2641.8
20°	2516.0	2541.8	2570.9	2525.7	2488.3
22.5°	2272.1	2345.8	2420.1	2334.7	2251.3
25°	1951.1	2065.1	2230.4	2068.6	1925.5
27.5°	1576.6	1721.1	1981.7	1721.8	1555.7
30°	1230.6	1379.2	1671.1	1359.8	1201.4
32.5°	945.0	1056.2	1305.6	1039.5	924.8
35°	727.5	793.5	949.1	795.6	714.3
37.5°	565.6	598.9	638.6	587.1	548.9
40°	444.0	445.4	411.4	438.4	426.6
42.5°	329.4	327.9	252.9	319.6	321.7
45°	197.3	230.0	151.5	223.8	186.2
47.5°	93.8	129.9	91.0	123.0	86.9
50°	45.2	62.6	54.9	58.4	42.4
52.5°	30.6	31.9	31.2	30.6	29.2
55°	22.3	22.3	20.1	21.6	21.6
57.5°	16.7	16.7	14.5	16.0	16.0
60°	13.2	12.5	11.1	12.5	12.5
62.5°	9.8	9.8	8.3	9.8	9.8
65°	7.6	7.6	6.9	7.6	7.6
67.5°	6.2	6.2	4.9	6.2	5.6
70°	4.9	4.9	4.2	4.9	4.9
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.4	1.4	2.0	2.0	2.0
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	1.4	1.4	1.4
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)