

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: P563784

Luminaire Tested: **LD4C10D010 EX4C10D2W 4LCSQWH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C10D010 EX4C10D2W 4LCSQWH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

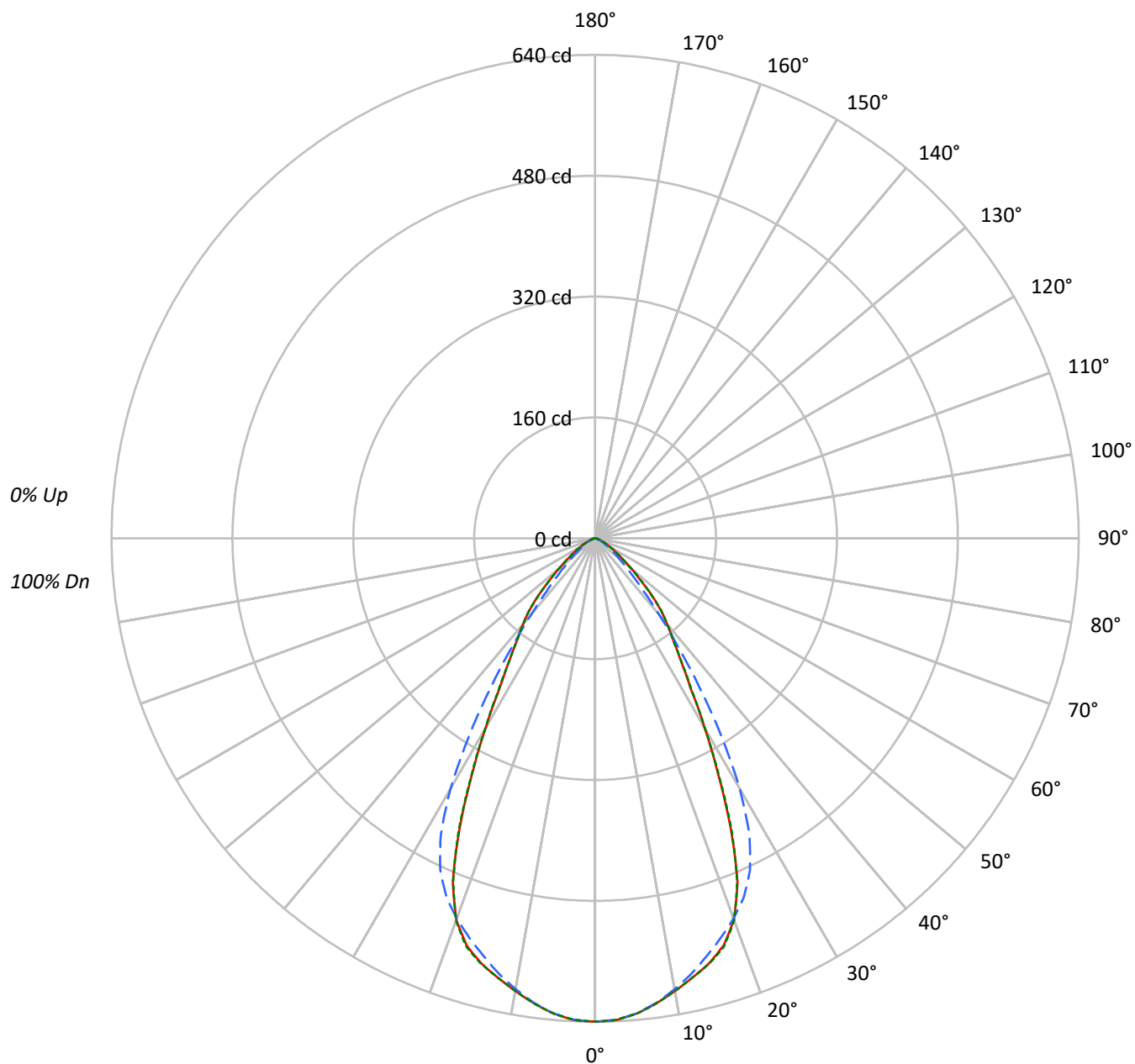
Lumens per Lamp: N/A
Luminaire Lumens: 677.5 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77		
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66		
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61		
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56		
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61753	61753	61753
5°	61195	61156	61175
10°	59629	59384	59629
15°	58197	57149	58257
20°	55171	54976	55273
25°	45258	51635	45492
30°	32277	42661	32322
35°	23276	28270	23358
40°	18667	16425	18667
45°	14246	9593	14137
50°	9397	6124	9367
55°	6308	4105	6241
60°	4246	2798	4284
65°	2900	1963	2854
70°	1918	1439	1918
75°	1305	1044	1305
80°	889	778	889
85°	664	664	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	8.8
10°-20°	162.2	23.9
20°-30°	202.8	29.9
30°-40°	136.4	20.1
40°-50°	72.1	10.6
50°-60°	29.3	4.3
60°-70°	10.8	1.6
70°-80°	3.5	0.5
80°-90°	0.7	0.1
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°	424.6	62.7
0°-40°	561.0	82.8
0°-60°	662.4	97.8
0°-90°	677.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	632	631	631	631	632	60
15°	583	578	572	578	583	163
25°	425	449	485	450	427	191
35°	198	208	240	208	198	127
45°	104	99	70	99	104	80
55°	38	32	24	32	37	35
65°	13	10	9	10	12	13
75°	4	3	3	3	4	4
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°	640.0	640.0	640.0	640.0	640.0
2.5°	638.5	638.1	637.9	637.9	638.1
5°	631.8	631.2	631.4	631.4	631.6
7.5°	621.1	620.9	620.3	621.1	621.1
10°	608.6	607.6	606.1	607.8	608.6
12.5°	595.7	592.6	590.2	592.6	595.7
15°	582.6	577.7	572.1	577.5	583.2
17.5°	565.4	560.6	554.3	561.6	567.0
20°	537.3	537.7	535.4	537.3	538.3
22.5°	492.3	501.4	514.1	501.6	490.9
25°	425.1	448.9	485.0	449.7	427.3
27.5°	353.1	383.3	442.5	385.1	355.2
30°	289.7	316.5	382.9	318.3	290.1
32.5°	234.6	254.5	311.3	256.9	237.2
35°	197.6	207.5	240.0	207.9	198.3
37.5°	169.4	169.4	178.2	170.2	168.6
40°	148.2	141.7	130.4	141.5	148.2
42.5°	128.4	118.7	94.7	118.3	128.8
45°	104.4	99.1	70.3	98.7	103.6
47.5°	80.2	76.5	52.9	76.1	80.8
50°	62.6	57.0	40.8	56.6	62.4
52.5°	48.0	42.0	31.5	42.0	47.6
55°	37.5	31.5	24.4	31.5	37.1
57.5°	28.9	24.0	18.6	23.6	28.7
60°	22.0	18.0	14.5	18.0	22.2
62.5°	16.8	13.7	11.1	13.5	16.6
65°	12.7	10.3	8.6	10.3	12.5
67.5°	9.3	7.6	6.6	7.6	9.5
70°	6.8	5.9	5.1	5.7	6.8
72.5°	5.1	4.3	3.9	4.3	5.1
75°	3.5	3.1	2.8	3.1	3.5
77.5°	2.4	2.2	2.0	2.2	2.4
80°	1.6	1.4	1.4	1.6	1.6
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.4	0.4	0.4	0.4	0.4
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)