

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: P563785

Luminaire Tested: **LD4C10D010 EX4C10D2W 4LCSQWLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563785
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: LD4C10D010 EX4C10D2W 4LCSQWLI
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

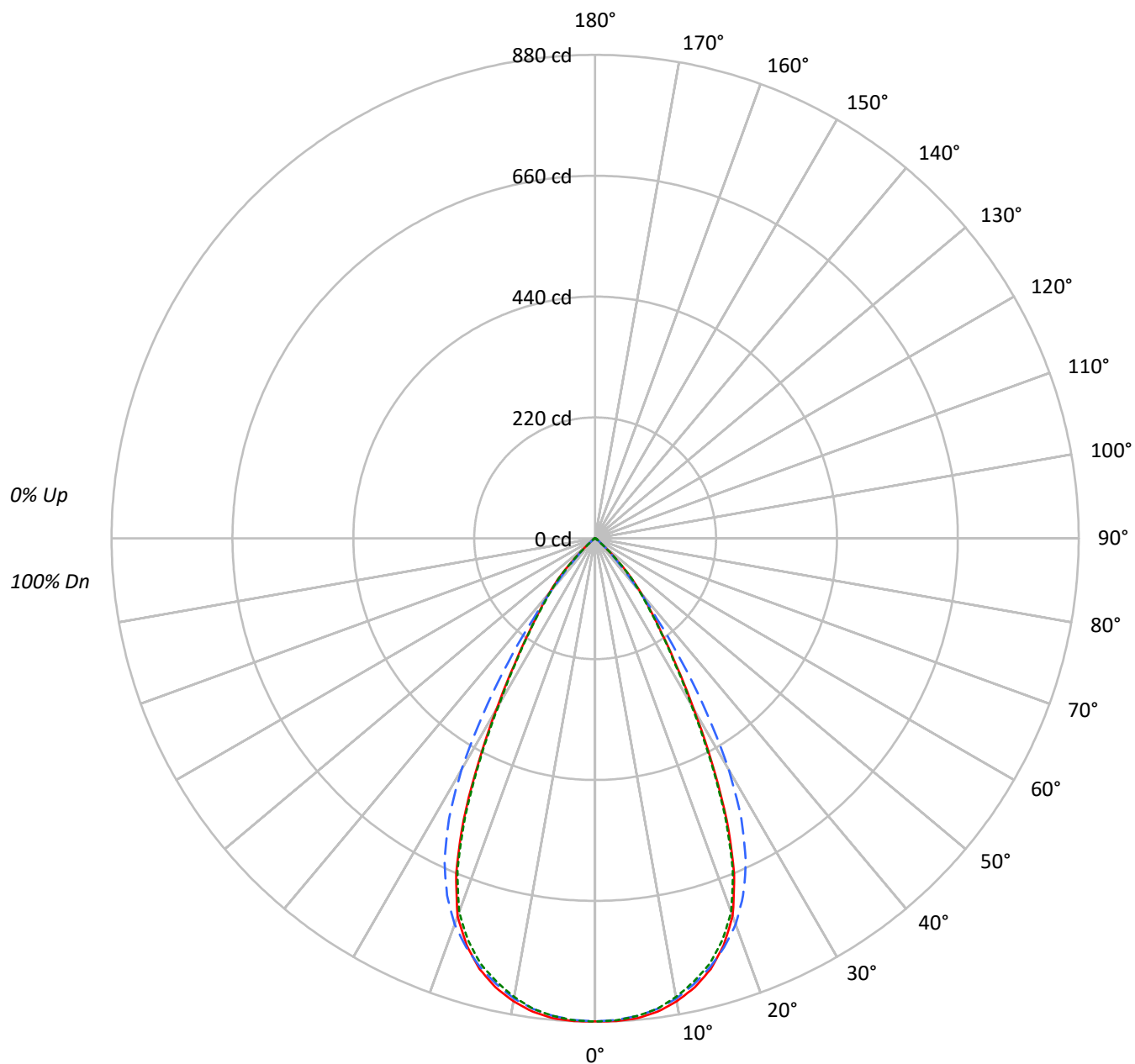
Lumens per Lamp: N/A
Luminaire Lumens: 787.3 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	84862	84862	84862
5°	84944	84557	84557
10°	83829	83340	83075
15°	81103	80733	80184
20°	75122	76754	74280
25°	60397	69052	59609
30°	39853	54137	38918
35°	24925	32510	24465
40°	16261	15064	15619
45°	7833	6004	7382
50°	1966	2402	1846
55°	1093	993	1060
60°	753	637	714
65°	502	457	502
70°	395	339	395
75°	298	298	298
80°	222	333	333
85°	221	443	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	10.5
10°-20°	225.9	28.7
20°-30°	269.2	34.2
30°-40°	152.4	19.4
40°-50°	47.1	6.0
50°-60°	6.6	0.8
60°-70°	2.2	0.3
70°-80°	0.9	0.1
80°-90°	0.4	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°	577.8	73.4
0°-40°	730.2	92.7
0°-60°	783.8	99.6
0°-90°	787.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	877	875	873	872	873	83
15°	812	810	808	805	803	226
25°	567	600	649	602	560	253
35°	212	231	276	231	208	138
45°	57	67	44	65	54	47
55°	6	6	6	6	6	6
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	879.5	879.5	879.5	879.5	879.5
2.5°	879.7	878.3	877.8	877.4	878.3
5°	877.0	875.0	873.0	872.4	873.0
7.5°	869.5	867.6	864.1	863.3	863.9
10°	855.6	853.7	850.6	848.8	847.9
12.5°	837.3	834.2	831.2	829.1	827.1
15°	811.9	810.5	808.2	804.9	802.7
17.5°	777.0	779.1	780.5	774.0	768.1
20°	731.6	739.0	747.5	734.4	723.4
22.5°	660.7	682.0	703.7	678.8	654.6
25°	567.3	600.5	648.6	601.5	559.9
27.5°	458.5	500.5	576.2	500.7	452.3
30°	357.7	401.1	485.9	395.4	349.3
32.5°	274.7	307.1	379.6	302.2	268.9
35°	211.6	230.7	276.0	231.3	207.7
37.5°	164.5	174.1	185.6	170.7	159.6
40°	129.1	129.5	119.6	127.5	124.0
42.5°	95.7	95.3	73.5	93.0	93.6
45°	57.4	66.8	44.0	65.1	54.1
47.5°	27.3	37.7	26.4	35.8	25.2
50°	13.1	18.2	16.0	17.0	12.3
52.5°	8.8	9.3	9.1	8.8	8.4
55°	6.5	6.5	5.9	6.3	6.3
57.5°	4.9	4.9	4.3	4.7	4.7
60°	3.9	3.7	3.3	3.7	3.7
62.5°	2.8	2.8	2.4	2.8	2.8
65°	2.2	2.2	2.0	2.2	2.2
67.5°	1.8	1.8	1.4	1.8	1.6
70°	1.4	1.4	1.2	1.4	1.4
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.4	0.4	0.6	0.6	0.6
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.4	0.4	0.4	0.4
87.5°	0.2	0.2	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)