

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: **LD4C25D010 EX4C259050 4LCSQWH**

Issue Date: 2/18/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
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: LD4C25D010 EX4C259050 4LCSQWH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

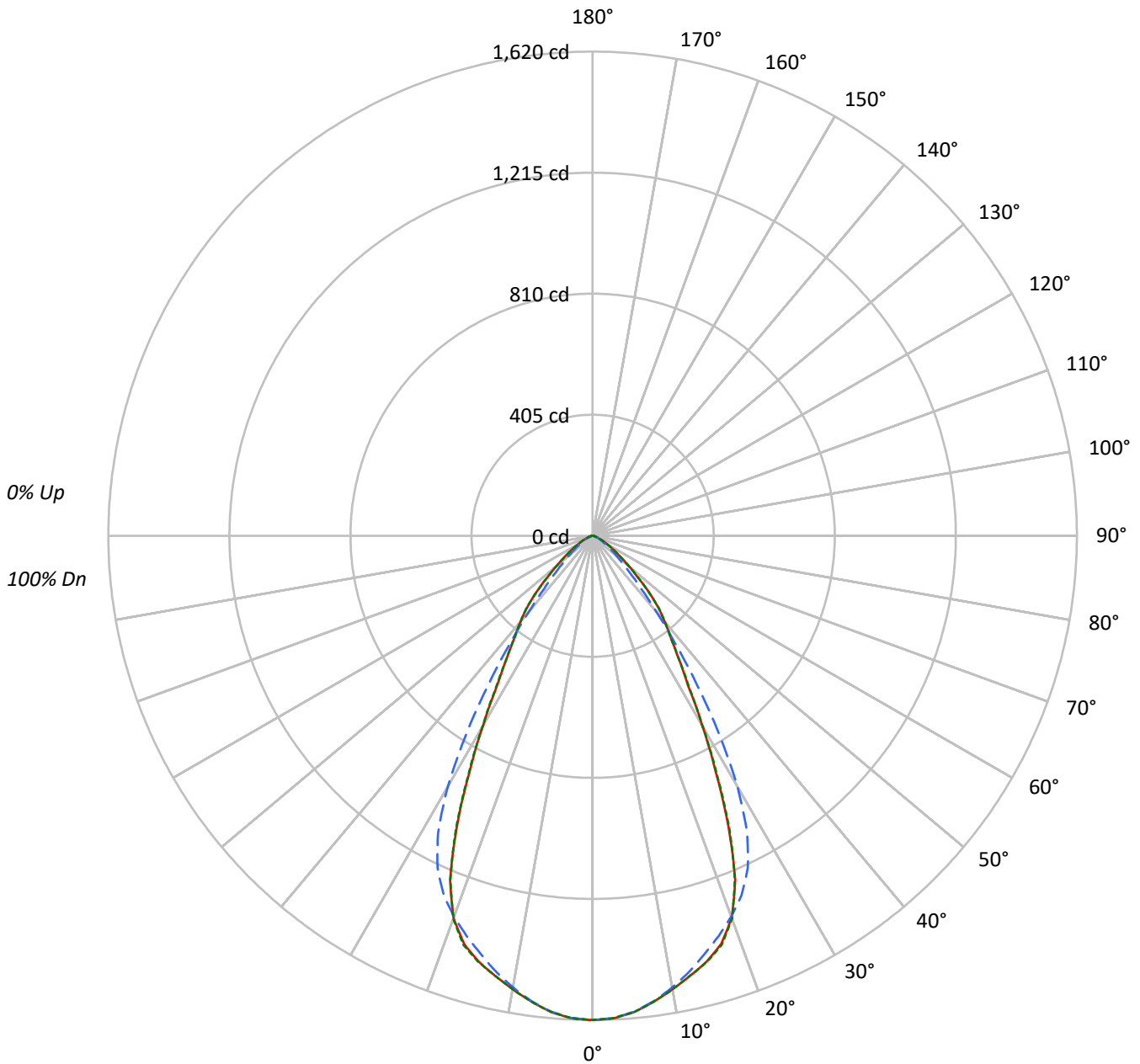
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1715.0 lumens
Efficiency: N/A
Efficacy: 54.4 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): 31.5
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									
RC	80									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															
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92															
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84															
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77				77															
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66				66															
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61				61															
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56				56															
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	156351	156351	156351
5°	154914	154817	154865
10°	150944	150346	150944
15°	147312	144655	147472
20°	139677	139143	139934
25°	114566	130727	115172
30°	81701	107995	81813
35°	58931	71570	59108
40°	47247	41579	47247
45°	36052	24262	35765
50°	23777	15491	23702
55°	15981	10396	15813
60°	10749	7102	10845
65°	7352	5023	7237
70°	4909	3611	4909
75°	3243	2684	3243
80°	2278	2000	2278
85°	1661	1661	1661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	8.8
10°-20°	410.7	23.9
20°-30°	513.5	29.9
30°-40°	345.4	20.1
40°-50°	182.4	10.6
50°-60°	74.1	4.3
60°-70°	27.5	1.6
70°-80°	8.9	0.5
80°-90°	1.9	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°	1074.8	62.7
0°-40°	1420.2	82.8
0°-60°	1676.7	97.8
0°-90°	1715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1715.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1599	1598	1598	1598	1599	151
15°	1475	1462	1448	1462	1476	413
25°	1076	1136	1228	1138	1082	484
35°	500	525	608	526	502	322
45°	264	251	178	250	262	203
55°	95	80	62	80	94	88
65°	32	26	22	26	32	33
75°	9	8	7	8	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1616.3	1615.2	1614.7	1614.7	1615.2
5°	1599.4	1597.9	1598.4	1598.4	1598.9
7.5°	1572.3	1571.8	1570.3	1572.3	1572.3
10°	1540.6	1538.1	1534.5	1538.6	1540.6
12.5°	1507.9	1500.3	1494.1	1500.3	1507.9
15°	1474.7	1462.5	1448.1	1461.9	1476.3
17.5°	1431.3	1419.0	1403.2	1421.6	1435.4
20°	1360.3	1361.3	1355.1	1360.3	1362.8
22.5°	1246.3	1269.3	1301.5	1269.8	1242.7
25°	1076.1	1136.4	1227.9	1138.5	1081.8
27.5°	893.7	970.4	1120.1	975.0	899.3
30°	733.3	801.2	969.3	805.8	734.3
32.5°	593.8	644.4	787.9	650.5	600.4
35°	500.3	525.3	607.6	526.3	501.8
37.5°	428.7	428.7	451.2	430.8	426.7
40°	375.1	358.7	330.1	358.2	375.1
42.5°	325.0	300.5	239.7	299.4	326.0
45°	264.2	250.9	177.8	249.9	262.1
47.5°	202.9	193.7	133.9	192.6	204.4
50°	158.4	144.1	103.2	143.1	157.9
52.5°	121.6	106.3	79.7	106.3	120.6
55°	95.0	79.7	61.8	79.7	94.0
57.5°	73.1	60.8	47.0	59.8	72.6
60°	55.7	45.5	36.8	45.5	56.2
62.5°	42.4	34.7	28.1	34.2	41.9
65°	32.2	26.1	22.0	26.1	31.7
67.5°	23.5	19.4	16.9	19.4	24.0
70°	17.4	14.8	12.8	14.3	17.4
72.5°	12.8	10.7	9.7	10.7	12.8
75°	8.7	7.7	7.2	7.7	8.7
77.5°	6.1	5.6	5.1	5.6	6.1
80°	4.1	3.6	3.6	4.1	4.1
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.5	1.5	1.5	1.5	1.5
87.5°	1.0	1.0	1.0	1.0	1.0
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)