

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 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: LD4C35D010 EX4C359027 4LCSQWH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

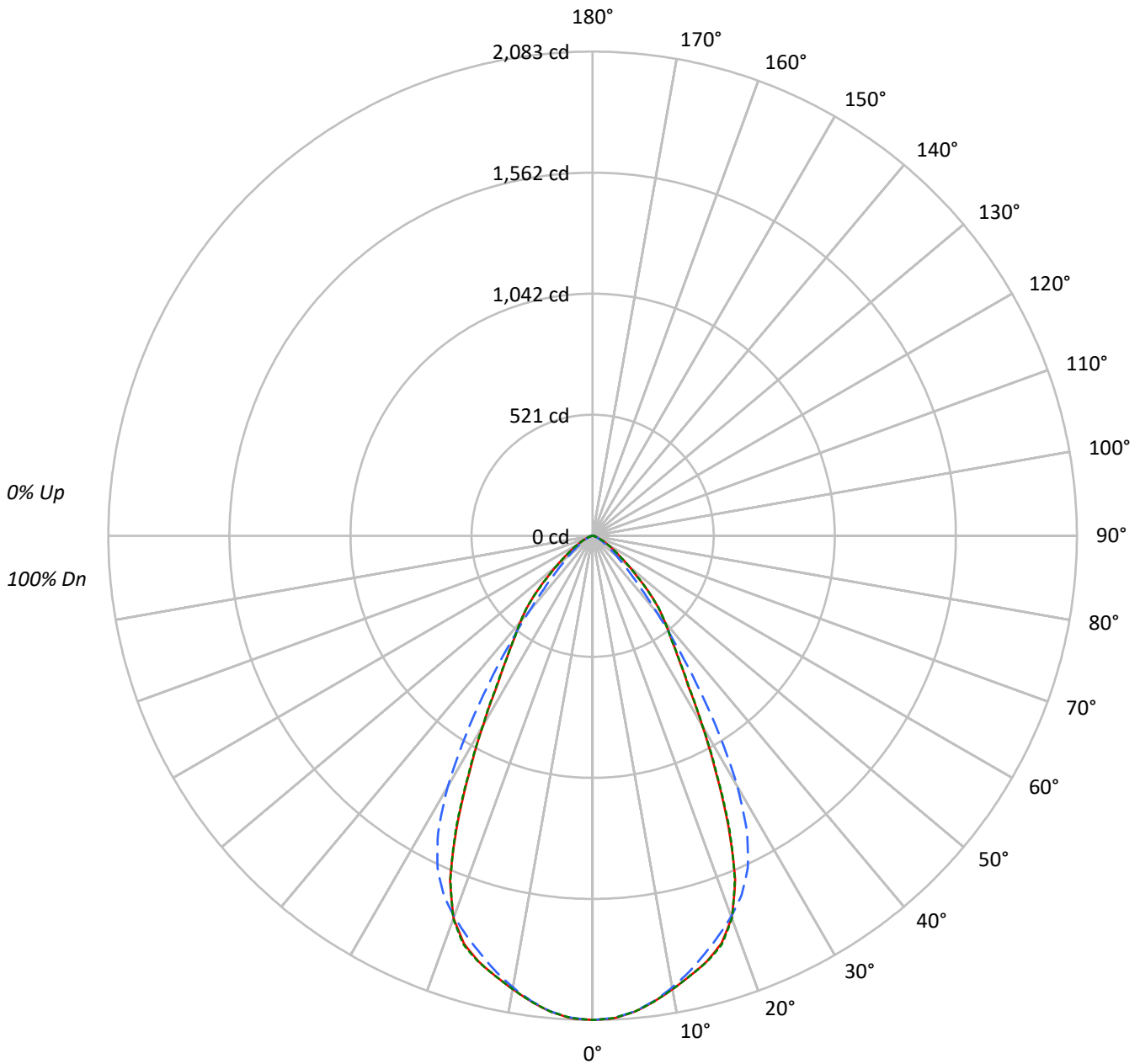
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2205.0 lumens
Efficiency: N/A
Efficacy: 54.6 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): 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									
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																			
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°	201015	201015	201015
5°	199178	199052	199110
10°	194074	193300	194074
15°	189406	185990	189596
20°	179579	178902	179918
25°	147303	168074	148070
30°	105043	138857	105188
35°	75763	92018	75999
40°	60737	53456	60737
45°	46354	31194	45986
50°	30577	19920	30472
55°	20557	13374	20338
60°	13817	9128	13952
65°	9452	6461	9292
70°	6291	4627	6291
75°	4175	3430	4175
80°	2945	2556	2945
85°	2214	2214	2214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.7	8.8
10°-20°	528.1	23.9
20°-30°	660.2	29.9
30°-40°	444.1	20.1
40°-50°	234.5	10.6
50°-60°	95.3	4.3
60°-70°	35.3	1.6
70°-80°	11.4	0.5
80°-90°	2.5	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°	1381.9	62.7
0°-40°	1826.0	82.8
0°-60°	2155.8	97.8
0°-90°	2205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2083	2083	2083	2083	2083	
5°	2056	2054	2055	2055	2056	194
15°	1896	1880	1862	1880	1898	531
25°	1384	1461	1579	1464	1391	623
35°	643	675	781	677	645	414
45°	340	323	229	321	337	260
55°	122	102	80	102	121	113
65°	41	34	28	34	41	43
75°	11	10	9	10	11	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2083.3	2083.3	2083.3	2083.3	2083.3
2.5°	2078.1	2076.7	2076.1	2076.1	2076.7
5°	2056.4	2054.4	2055.1	2055.1	2055.7
7.5°	2021.6	2020.9	2018.9	2021.6	2021.6
10°	1980.8	1977.5	1972.9	1978.2	1980.8
12.5°	1938.8	1928.9	1921.0	1928.9	1938.8
15°	1896.1	1880.3	1861.9	1879.6	1898.0
17.5°	1840.2	1824.5	1804.1	1827.7	1845.5
20°	1748.9	1750.2	1742.3	1748.9	1752.2
22.5°	1602.4	1632.0	1673.3	1632.6	1597.8
25°	1383.6	1461.1	1578.7	1463.8	1390.8
27.5°	1149.1	1247.6	1440.1	1253.5	1156.3
30°	942.8	1030.2	1246.3	1036.1	944.1
32.5°	763.4	828.5	1013.1	836.3	772.0
35°	643.2	675.4	781.2	676.7	645.2
37.5°	551.2	551.2	580.1	553.8	548.6
40°	482.2	461.2	424.4	460.5	482.2
42.5°	417.8	386.3	308.1	385.0	419.2
45°	339.7	322.6	228.6	321.3	337.0
47.5°	260.8	249.0	172.1	247.7	262.8
50°	203.7	185.3	132.7	184.0	203.0
52.5°	156.4	136.7	102.5	136.7	155.0
55°	122.2	102.5	79.5	102.5	120.9
57.5°	93.9	78.2	60.4	76.9	93.3
60°	71.6	58.5	47.3	58.5	72.3
62.5°	54.5	44.7	36.1	44.0	53.9
65°	41.4	33.5	28.3	33.5	40.7
67.5°	30.2	25.0	21.7	25.0	30.9
70°	22.3	19.1	16.4	18.4	22.3
72.5°	16.4	13.8	12.5	13.8	16.4
75°	11.2	9.9	9.2	9.9	11.2
77.5°	7.9	7.2	6.6	7.2	7.9
80°	5.3	4.6	4.6	5.3	5.3
82.5°	3.3	3.3	3.3	3.3	3.3
85°	2.0	2.0	2.0	2.0	2.0
87.5°	1.3	1.3	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)