

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: **LD4C55D010 EX4C559050 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: LD4C55D010 EX4C559050 4LCSQWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

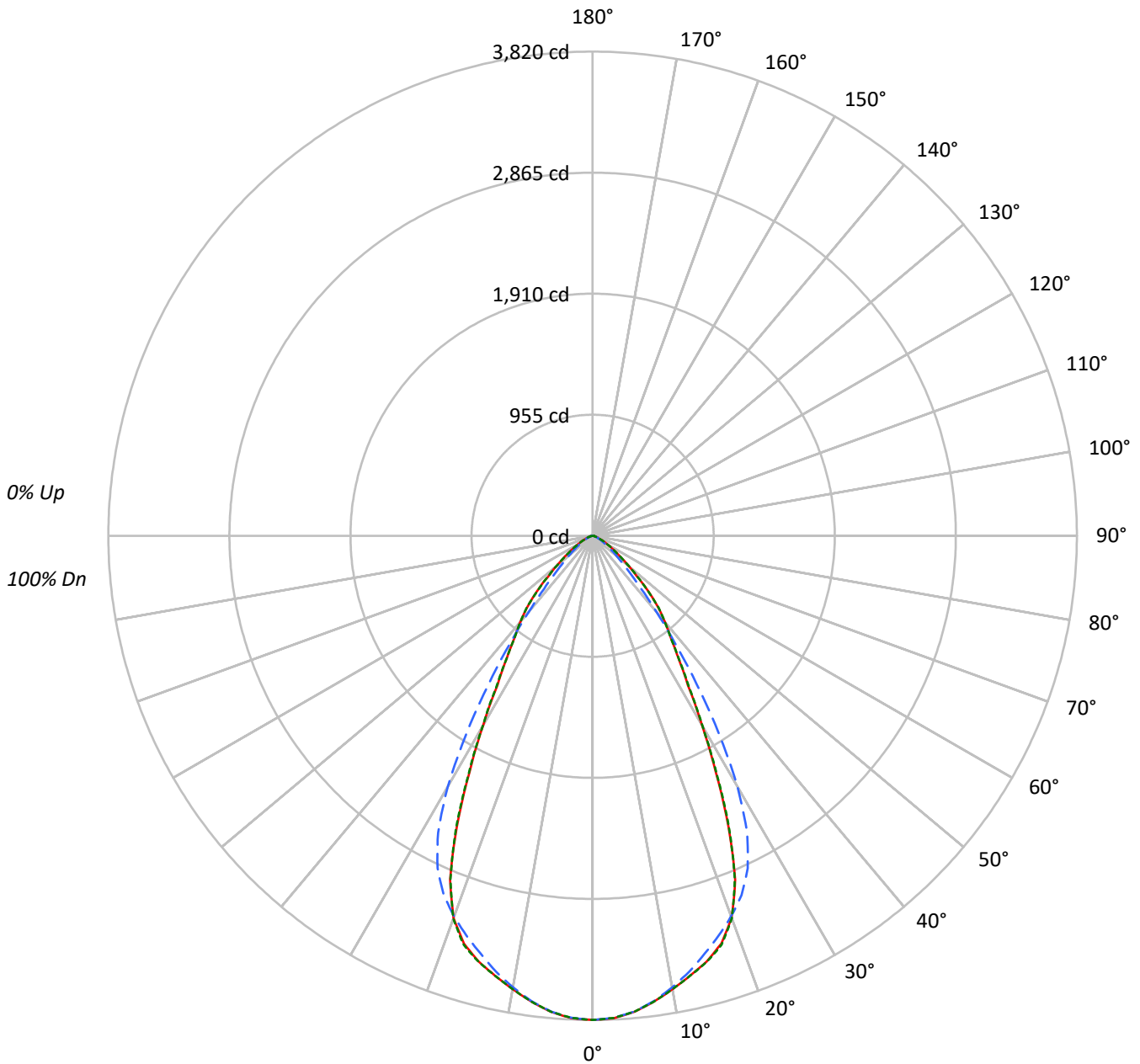
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4043.0 lumens
Efficiency: N/A
Efficacy: 63.3 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): 63.9
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

TEST NUMBER: P#
CATALOG NUMBER: LD4C55D010 EX4C559050 4LCSQWH

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°	368578	368578	368578
5°	365201	364969	365085
10°	355854	354433	355854
15°	347287	341024	347646
20°	329268	328036	329884
25°	270088	308181	271504
30°	192593	254607	192872
35°	138911	168712	139335
40°	111371	98020	111371
45°	84985	57202	84330
50°	56051	36522	55871
55°	37699	24527	37295
60°	25338	16731	25570
65°	17329	11827	17055
70°	11567	8492	11567
75°	7642	6300	7642
80°	5334	4668	5334
85°	3986	3986	3986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.1	8.8
10°-20°	968.2	23.9
20°-30°	1210.4	29.9
30°-40°	814.3	20.1
40°-50°	430.0	10.6
50°-60°	174.8	4.3
60°-70°	64.8	1.6
70°-80°	20.9	0.5
80°-90°	4.5	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°	2533.8	62.7
0°-40°	3348.0	82.8
0°-60°	3952.8	97.8
0°-90°	4043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3820	3820	3820	3820	3820	
5°	3770	3767	3768	3768	3769	355
15°	3477	3448	3414	3446	3480	974
25°	2537	2679	2895	2684	2550	1142
35°	1179	1238	1432	1241	1183	759
45°	623	592	419	589	618	478
55°	224	188	146	188	222	208
65°	76	61	52	61	75	78
75°	20	18	17	18	20	24
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3819.9	3819.9	3819.9	3819.9	3819.9
2.5°	3810.2	3807.8	3806.6	3806.6	3807.8
5°	3770.5	3766.9	3768.1	3768.1	3769.3
7.5°	3706.6	3705.4	3701.8	3706.6	3706.6
10°	3632.0	3625.9	3617.5	3627.1	3632.0
12.5°	3554.9	3536.8	3522.3	3536.8	3554.9
15°	3476.6	3447.6	3413.9	3446.4	3480.2
17.5°	3374.2	3345.3	3307.9	3351.3	3383.8
20°	3206.7	3209.1	3194.7	3206.7	3212.7
22.5°	2938.1	2992.3	3068.2	2993.5	2929.7
25°	2536.9	2679.1	2894.7	2683.9	2550.2
27.5°	2106.9	2287.6	2640.5	2298.4	2120.1
30°	1728.6	1888.9	2285.2	1899.7	1731.1
32.5°	1399.8	1519.0	1857.5	1533.5	1415.4
35°	1179.3	1238.4	1432.3	1240.8	1182.9
37.5°	1010.7	1010.7	1063.7	1015.5	1005.9
40°	884.2	845.6	778.2	844.4	884.2
42.5°	766.1	708.3	565.0	705.9	768.6
45°	622.8	591.5	419.2	589.1	618.0
47.5°	478.2	456.6	315.6	454.1	481.9
50°	373.4	339.7	243.3	337.3	372.2
52.5°	286.7	250.6	187.9	250.6	284.3
55°	224.1	187.9	145.8	187.9	221.7
57.5°	172.3	143.4	110.8	140.9	171.1
60°	131.3	107.2	86.7	107.2	132.5
62.5°	100.0	81.9	66.3	80.7	98.8
65°	75.9	61.4	51.8	61.4	74.7
67.5°	55.4	45.8	39.8	45.8	56.6
70°	41.0	34.9	30.1	33.7	41.0
72.5°	30.1	25.3	22.9	25.3	30.1
75°	20.5	18.1	16.9	18.1	20.5
77.5°	14.5	13.3	12.0	13.3	14.5
80°	9.6	8.4	8.4	9.6	9.6
82.5°	6.0	6.0	6.0	6.0	6.0
85°	3.6	3.6	3.6	3.6	3.6
87.5°	2.4	2.4	2.4	2.4	2.4
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)