

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: **LD4C65D010 EX4C659050 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: LD4C65D010 EX4C659050 4LCSQWH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

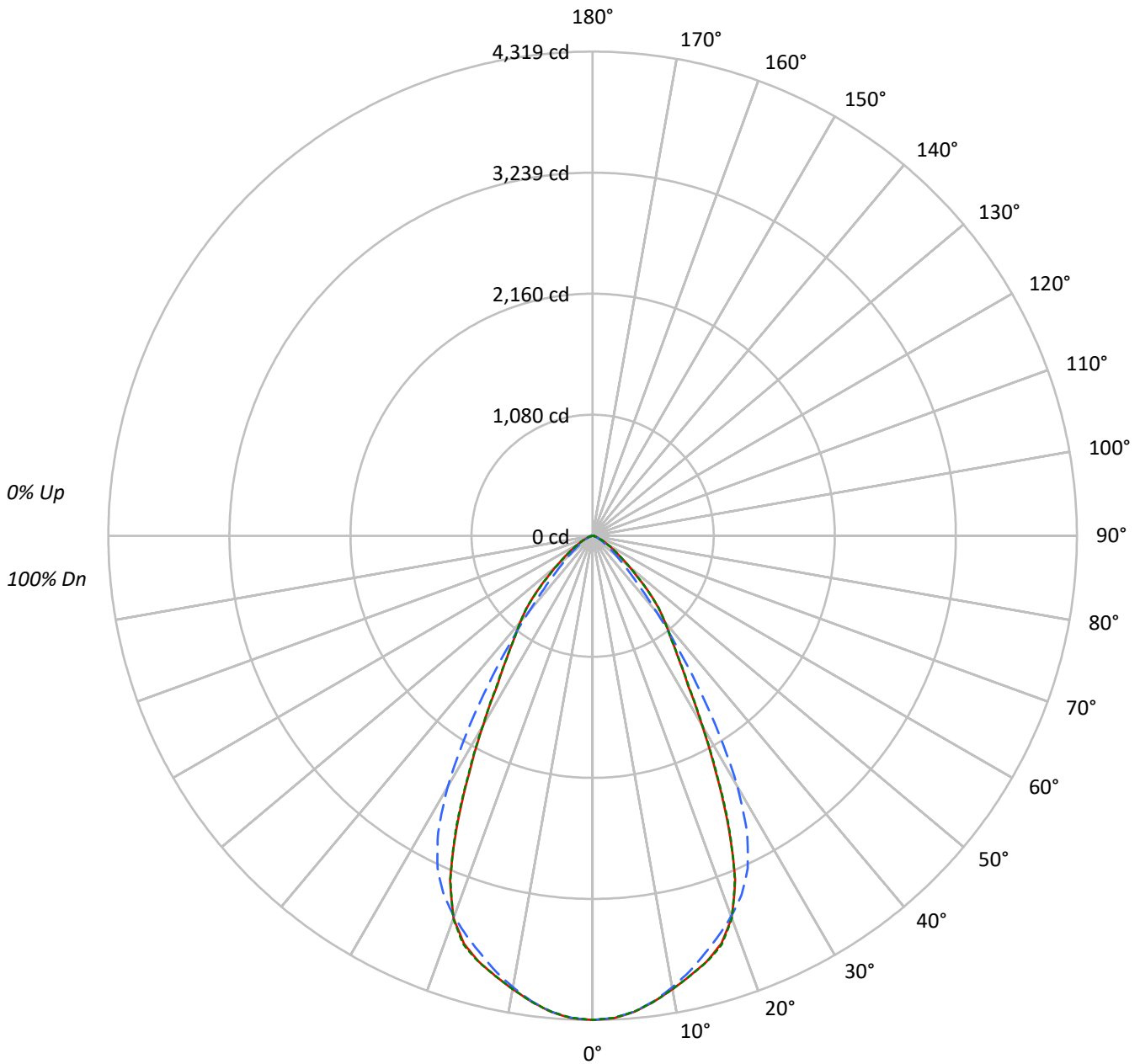
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4571.0 lumens
Efficiency: N/A
Efficacy: 63.1 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): 72.4
Input Voltage (V):
Input Current (A_{in}): 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°	416707	416707	416707
5°	412894	412632	412758
10°	402325	400718	402325
15°	392638	385566	393048
20°	372271	370875	372969
25°	305370	348434	306956
30°	217751	287854	218052
35°	157051	190751	157534
40°	125920	110817	125920
45°	96079	64680	95342
50°	63376	41295	63166
55°	42611	27723	42157
60°	28657	18931	28908
65°	19589	13379	19270
70°	13062	9592	13062
75°	8649	7121	8649
80°	6057	5279	6057
85°	4539	4539	4539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.5	8.8
10°-20°	1094.7	23.9
20°-30°	1368.5	29.9
30°-40°	920.6	20.1
40°-50°	486.1	10.6
50°-60°	197.6	4.3
60°-70°	73.3	1.6
70°-80°	23.7	0.5
80°-90°	5.1	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°	2864.7	62.7
0°-40°	3785.3	82.8
0°-60°	4469.0	97.8
0°-90°	4571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4319	4319	4319	4319	4319	
5°	4263	4259	4260	4260	4262	402
15°	3931	3898	3860	3896	3935	1101
25°	2868	3029	3273	3034	2883	1291
35°	1333	1400	1619	1403	1337	858
45°	704	669	474	666	699	540
55°	253	212	165	212	251	235
65°	86	70	59	70	84	88
75°	23	20	19	20	23	27
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°	4318.7	4318.7	4318.7	4318.7	4318.7
2.5°	4307.8	4305.1	4303.8	4303.8	4305.1
5°	4262.9	4258.8	4260.2	4260.2	4261.5
7.5°	4190.7	4189.4	4185.3	4190.7	4190.7
10°	4106.3	4099.5	4089.9	4100.8	4106.3
12.5°	4019.1	3998.7	3982.3	3998.7	4019.1
15°	3930.6	3897.9	3859.8	3896.5	3934.7
17.5°	3814.8	3782.1	3739.9	3788.9	3825.7
20°	3625.5	3628.2	3611.9	3625.5	3632.3
22.5°	3321.8	3383.1	3468.9	3384.4	3312.3
25°	2868.3	3029.0	3272.8	3034.4	2883.2
27.5°	2382.0	2586.3	2985.4	2598.6	2397.0
30°	1954.4	2135.5	2583.6	2147.8	1957.1
32.5°	1582.6	1717.4	2100.1	1733.8	1600.3
35°	1333.3	1400.1	1619.4	1402.8	1337.4
37.5°	1142.7	1142.7	1202.6	1148.1	1137.2
40°	999.7	956.1	879.8	954.7	999.7
42.5°	866.2	800.8	638.8	798.1	868.9
45°	704.1	668.7	474.0	666.0	698.7
47.5°	540.7	516.2	356.8	513.5	544.8
50°	422.2	384.1	275.1	381.3	420.8
52.5°	324.1	283.3	212.5	283.3	321.4
55°	253.3	212.5	164.8	212.5	250.6
57.5°	194.8	162.1	125.3	159.3	193.4
60°	148.5	121.2	98.1	121.2	149.8
62.5°	113.0	92.6	74.9	91.3	111.7
65°	85.8	69.5	58.6	69.5	84.4
67.5°	62.6	51.8	44.9	51.8	64.0
70°	46.3	39.5	34.0	38.1	46.3
72.5°	34.0	28.6	25.9	28.6	34.0
75°	23.2	20.4	19.1	20.4	23.2
77.5°	16.3	15.0	13.6	15.0	16.3
80°	10.9	9.5	9.5	10.9	10.9
82.5°	6.8	6.8	6.8	6.8	6.8
85°	4.1	4.1	4.1	4.1	4.1
87.5°	2.7	2.7	2.7	2.7	2.7
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)