

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 EX4C659030 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 EX4C659030 4LCSQWH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

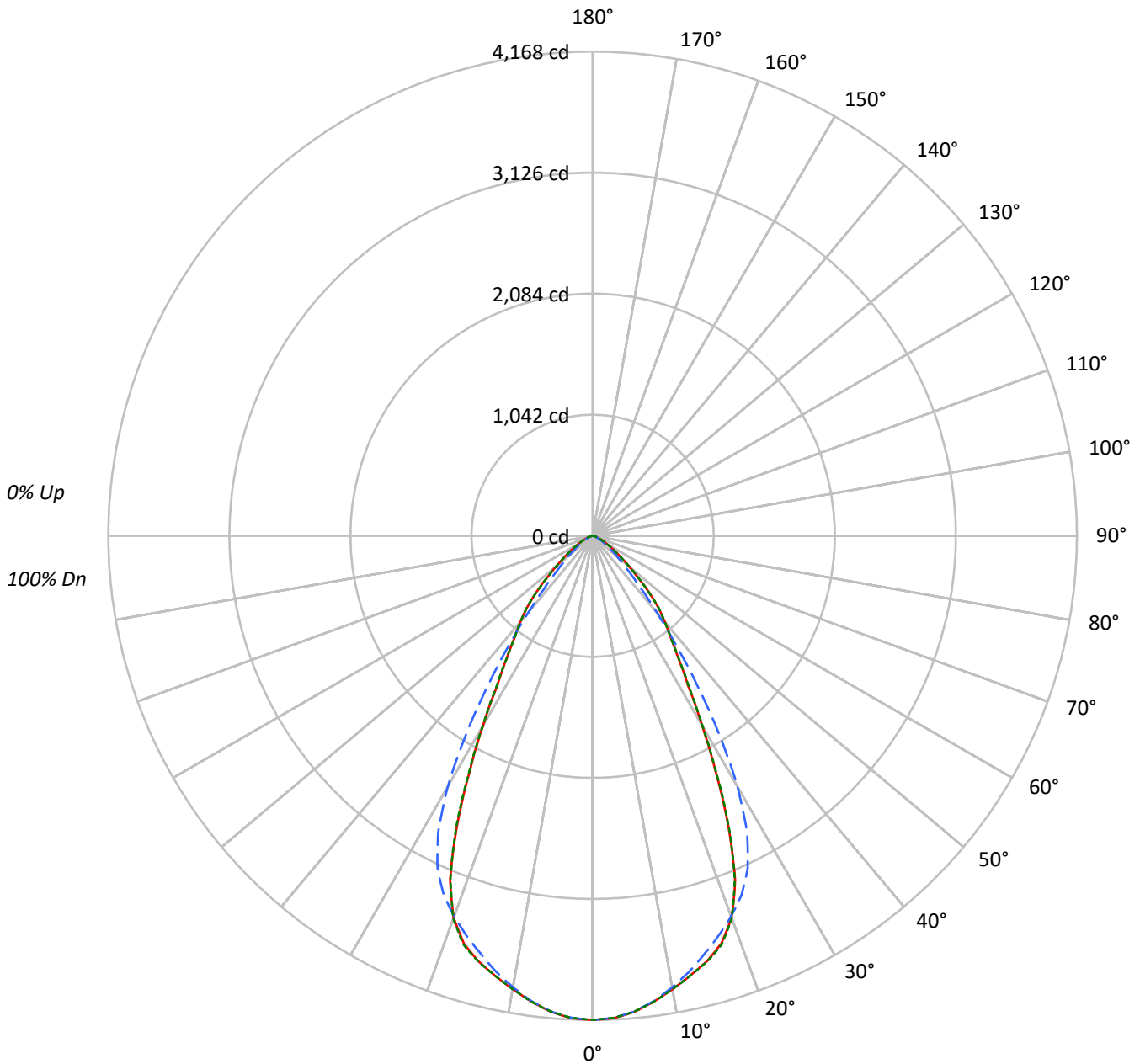
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4411.0 lumens
Efficiency: N/A
Efficacy: 60.9 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 (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°	402127	402127	402127
5°	398443	398191	398317
10°	388235	386697	388235
15°	378893	372070	379282
20°	359241	357896	359919
25°	294681	336234	296214
30°	210130	277782	210420
35°	151562	184072	152021
40°	121511	106938	121511
45°	92722	62415	91999
50°	61155	39854	60960
55°	41131	26747	40676
60°	27654	18256	27905
65°	18904	12900	18607
70°	12611	9282	12611
75°	8314	6860	8314
80°	5834	5112	5834
85°	4318	4318	4318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.4	8.8
10°-20°	1056.4	23.9
20°-30°	1320.6	29.9
30°-40°	888.4	20.1
40°-50°	469.1	10.6
50°-60°	190.7	4.3
60°-70°	70.7	1.6
70°-80°	22.8	0.5
80°-90°	4.9	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°	2764.4	62.7
0°-40°	3652.8	82.8
0°-60°	4312.6	97.8
0°-90°	4411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4411.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4168	4168	4168	4168	4168	
5°	4114	4110	4111	4111	4112	388
15°	3793	3762	3725	3760	3797	1063
25°	2768	2923	3158	2928	2782	1246
35°	1287	1351	1563	1354	1291	828
45°	680	645	457	643	674	521
55°	244	205	159	205	242	227
65°	83	67	56	67	82	85
75°	22	20	18	20	22	26
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°	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4157.1	4154.4	4153.1	4153.1	4154.4
5°	4113.7	4109.7	4111.1	4111.1	4112.4
7.5°	4044.0	4042.7	4038.8	4044.0	4044.0
10°	3962.5	3956.0	3946.8	3957.3	3962.5
12.5°	3878.4	3858.7	3842.9	3858.7	3878.4
15°	3793.0	3761.5	3724.7	3760.1	3796.9
17.5°	3681.3	3649.7	3609.0	3656.3	3691.8
20°	3498.6	3501.2	3485.5	3498.6	3505.2
22.5°	3205.5	3264.7	3347.5	3266.0	3196.3
25°	2767.9	2922.9	3158.2	2928.2	2782.3
27.5°	2298.7	2495.8	2880.9	2507.6	2313.1
30°	1886.0	2060.8	2493.2	2072.6	1888.6
32.5°	1527.2	1657.3	2026.6	1673.1	1544.3
35°	1286.7	1351.1	1562.7	1353.7	1290.6
37.5°	1102.7	1102.7	1160.5	1107.9	1097.4
40°	964.7	922.6	849.0	921.3	964.7
42.5°	835.9	772.8	616.4	770.2	838.5
45°	679.5	645.3	457.4	642.7	674.2
47.5°	521.8	498.1	344.3	495.5	525.7
50°	407.4	370.6	265.5	368.0	406.1
52.5°	312.8	273.4	205.0	273.4	310.2
55°	244.5	205.0	159.0	205.0	241.8
57.5°	187.9	156.4	120.9	153.8	186.6
60°	143.3	117.0	94.6	117.0	144.6
62.5°	109.1	89.4	72.3	88.1	107.8
65°	82.8	67.0	56.5	67.0	81.5
67.5°	60.5	49.9	43.4	49.9	61.8
70°	44.7	38.1	32.9	36.8	44.7
72.5°	32.9	27.6	25.0	27.6	32.9
75°	22.3	19.7	18.4	19.7	22.3
77.5°	15.8	14.5	13.1	14.5	15.8
80°	10.5	9.2	9.2	10.5	10.5
82.5°	6.6	6.6	6.6	6.6	6.6
85°	3.9	3.9	3.9	3.9	3.9
87.5°	2.6	2.6	2.6	2.6	2.6
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)