

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 EX4C659035 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 EX4C659035 4LCSQWH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

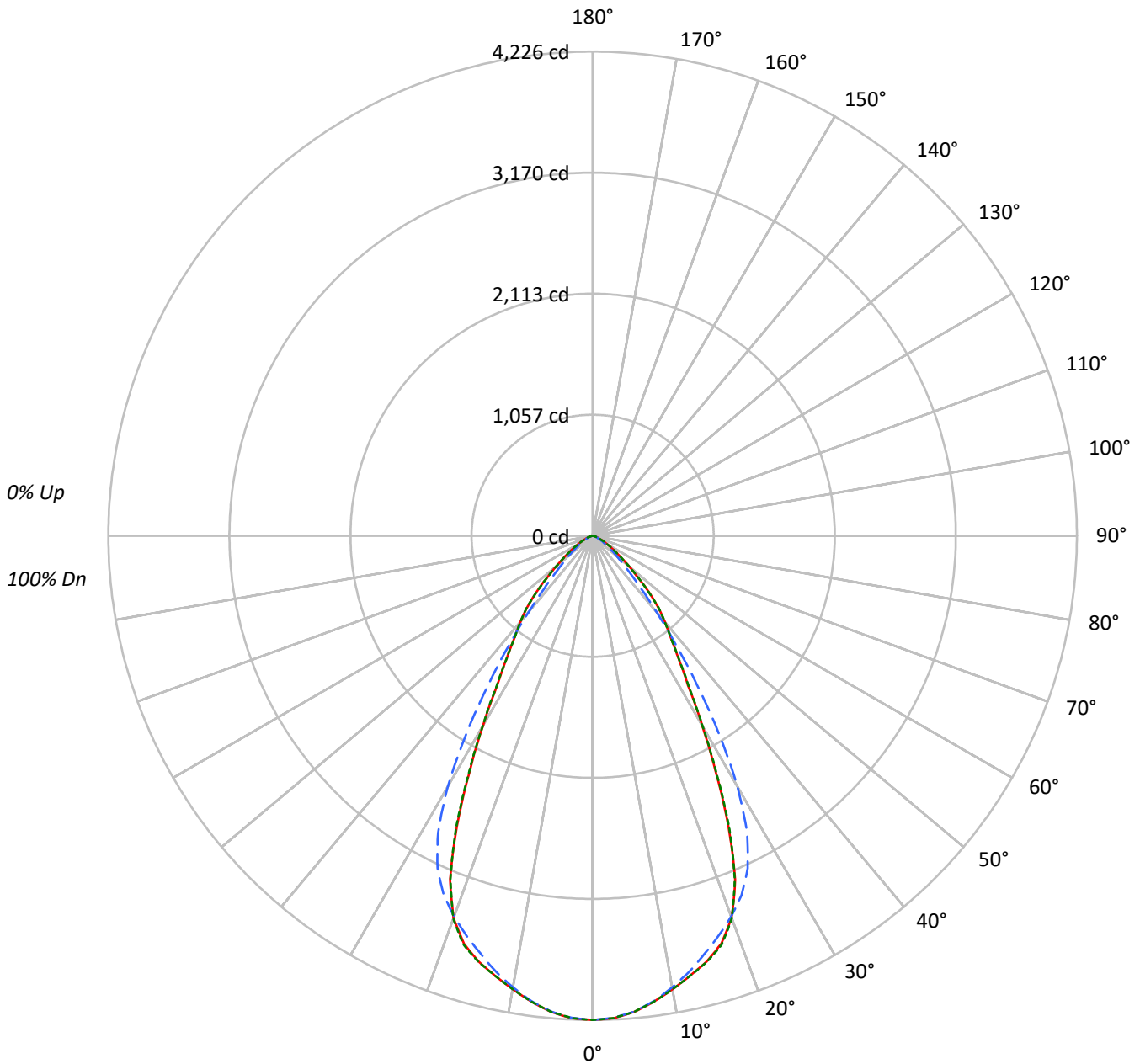
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4473.0 lumens
Efficiency: N/A
Efficacy: 61.8 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

TEST NUMBER: P#
CATALOG NUMBER: LD4C65D010 EX4C659035 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°	407772	407772	407772
5°	404041	403779	403915
10°	393693	392125	393693
15°	384217	377295	384617
20°	364293	362917	364971
25°	298822	340961	300377
30°	213083	281681	213383
35°	153694	186652	154165
40°	123211	108449	123211
45°	94018	63288	93295
50°	62025	40410	61815
55°	41703	27134	41248
60°	28040	18526	28291
65°	19178	13082	18859
70°	12780	9394	12780
75°	8463	6971	8463
80°	5946	5168	5946
85°	4428	4428	4428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.9	8.8
10°-20°	1071.2	23.9
20°-30°	1339.2	29.9
30°-40°	900.9	20.1
40°-50°	475.7	10.6
50°-60°	193.3	4.3
60°-70°	71.7	1.6
70°-80°	23.2	0.5
80°-90°	5.0	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°	2803.2	62.7
0°-40°	3704.1	82.8
0°-60°	4373.2	97.8
0°-90°	4473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4473.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4226	4226	4226	4226	4226	
5°	4172	4168	4169	4169	4170	393
15°	3846	3814	3777	3813	3850	1078
25°	2807	2964	3203	2969	2821	1263
35°	1305	1370	1585	1373	1309	840
45°	689	654	464	652	684	528
55°	248	208	161	208	245	230
65°	84	68	57	68	83	87
75°	23	20	19	20	23	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°	4226.1	4226.1	4226.1	4226.1	4226.1
2.5°	4215.5	4212.8	4211.5	4211.5	4212.8
5°	4171.5	4167.5	4168.8	4168.8	4170.2
7.5°	4100.9	4099.5	4095.5	4100.9	4100.9
10°	4018.2	4011.6	4002.2	4012.9	4018.2
12.5°	3932.9	3912.9	3897.0	3912.9	3932.9
15°	3846.3	3814.3	3777.0	3813.0	3850.3
17.5°	3733.0	3701.0	3659.7	3707.7	3743.7
20°	3547.8	3550.4	3534.4	3547.8	3554.4
22.5°	3250.6	3310.5	3394.5	3311.9	3241.2
25°	2806.8	2964.0	3202.6	2969.4	2821.4
27.5°	2331.0	2530.9	2921.4	2542.9	2345.6
30°	1912.5	2089.7	2528.2	2101.7	1915.2
32.5°	1548.7	1680.6	2055.1	1696.6	1566.0
35°	1304.8	1370.1	1584.6	1372.7	1308.8
37.5°	1118.2	1118.2	1176.8	1123.5	1112.8
40°	978.2	935.6	861.0	934.3	978.2
42.5°	847.6	783.7	625.1	781.0	850.3
45°	689.0	654.4	463.8	651.7	683.7
47.5°	529.1	505.1	349.2	502.4	533.1
50°	413.2	375.8	269.2	373.2	411.8
52.5°	317.2	277.2	207.9	277.2	314.5
55°	247.9	207.9	161.3	207.9	245.2
57.5°	190.6	158.6	122.6	155.9	189.3
60°	145.3	118.6	96.0	118.6	146.6
62.5°	110.6	90.6	73.3	89.3	109.3
65°	84.0	68.0	57.3	68.0	82.6
67.5°	61.3	50.6	44.0	50.6	62.6
70°	45.3	38.6	33.3	37.3	45.3
72.5°	33.3	28.0	25.3	28.0	33.3
75°	22.7	20.0	18.7	20.0	22.7
77.5°	16.0	14.7	13.3	14.7	16.0
80°	10.7	9.3	9.3	10.7	10.7
82.5°	6.7	6.7	6.7	6.7	6.7
85°	4.0	4.0	4.0	4.0	4.0
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)