

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 EX4C659040 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 EX4C659040 4LCSQWH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

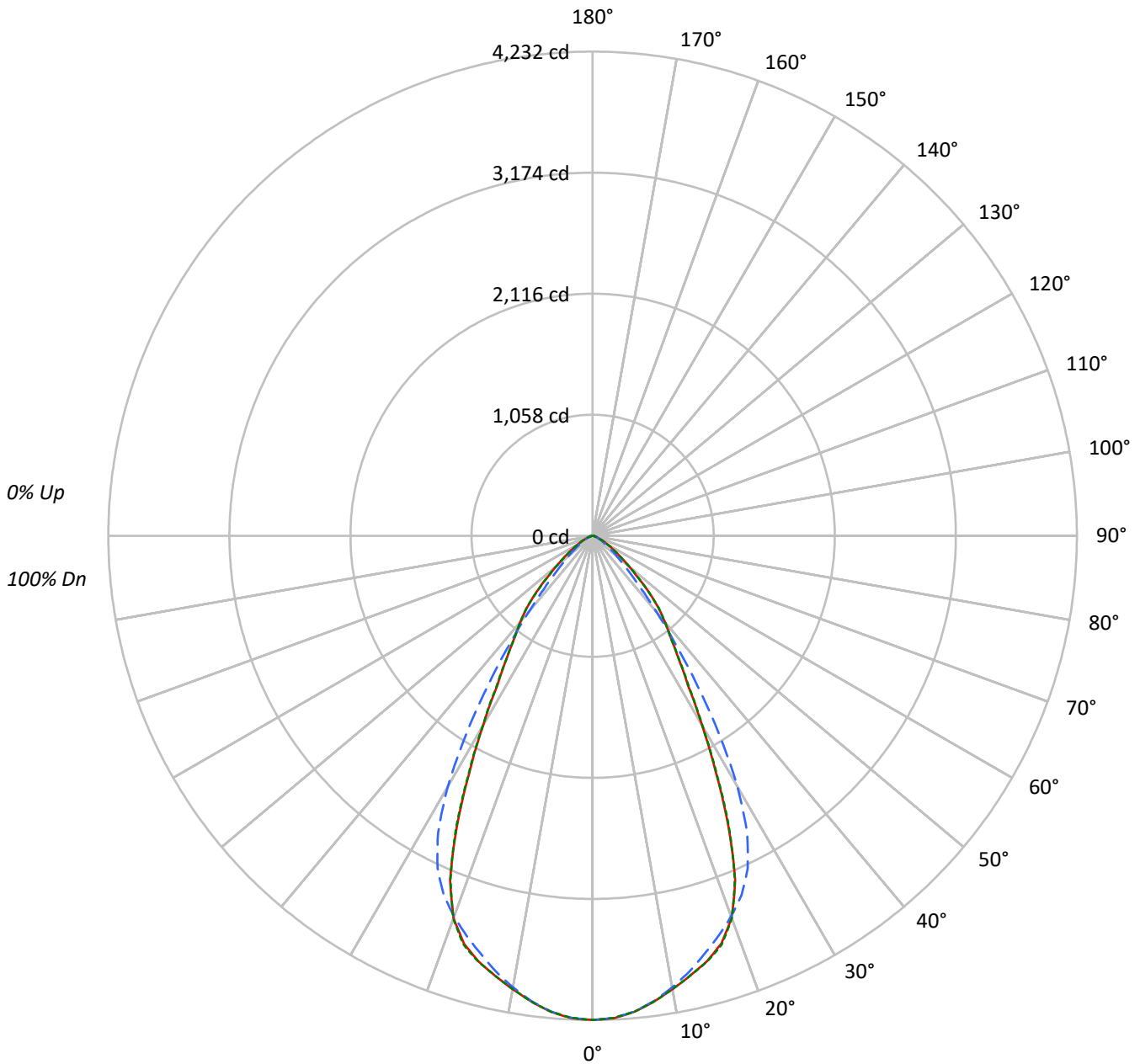
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4479.0 lumens
Efficiency: N/A
Efficacy: 61.9 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

TEST NUMBER: P#
CATALOG NUMBER: LD4C65D010 EX4C659040 4LCSQWH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C65D010 EX4C659040 4LCSQWH

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°	408322	408322	408322
5°	404583	404322	404457
10°	394222	392654	394222
15°	384737	377804	385136
20°	364775	363410	365463
25°	299216	341418	300781
30°	213372	282060	213662
35°	153894	186911	154365
40°	123375	108588	123375
45°	94155	63370	93418
50°	62101	40470	61905
55°	41753	27168	41316
60°	28078	18545	28329
65°	19201	13105	18881
70°	12808	9423	12808
75°	8463	6971	8463
80°	5946	5168	5946
85°	4428	4428	4428



TEST NUMBER: P#

CATALOG NUMBER: LD4C65D010 EX4C659040 4LCSQWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.4	8.8
10°-20°	1072.7	23.9
20°-30°	1341.0	29.9
30°-40°	902.1	20.1
40°-50°	476.3	10.6
50°-60°	193.6	4.3
60°-70°	71.8	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°	2807.0	62.7
0°-40°	3709.1	82.8
0°-60°	4379.0	97.8
0°-90°	4479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4479.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4232	4232	4232	4232	4232	
5°	4177	4173	4174	4174	4176	394
15°	3852	3819	3782	3818	3856	1079
25°	2810	2968	3207	2973	2825	1265
35°	1306	1372	1587	1375	1310	841
45°	690	655	464	653	685	529
55°	248	208	162	208	246	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	



TEST NUMBER: P#

CATALOG NUMBER: LD4C65D010 EX4C659040 4LCSQWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4231.8	4231.8	4231.8	4231.8	4231.8
2.5°	4221.1	4218.5	4217.1	4217.1	4218.5
5°	4177.1	4173.1	4174.4	4174.4	4175.8
7.5°	4106.4	4105.0	4101.0	4106.4	4106.4
10°	4023.6	4017.0	4007.6	4018.3	4023.6
12.5°	3938.2	3918.2	3902.2	3918.2	3938.2
15°	3851.5	3819.4	3782.1	3818.1	3855.5
17.5°	3738.0	3706.0	3664.6	3712.7	3748.7
20°	3552.5	3555.2	3539.2	3552.5	3559.2
22.5°	3254.9	3315.0	3399.1	3316.3	3245.6
25°	2810.5	2968.0	3206.9	2973.3	2825.2
27.5°	2334.1	2534.3	2925.3	2546.3	2348.8
30°	1915.1	2092.6	2531.6	2104.6	1917.7
32.5°	1550.7	1682.8	2057.9	1698.9	1568.1
35°	1306.5	1371.9	1586.8	1374.6	1310.5
37.5°	1119.7	1119.7	1178.4	1125.0	1114.3
40°	979.5	936.8	862.1	935.5	979.5
42.5°	848.8	784.7	625.9	782.0	851.4
45°	690.0	655.3	464.4	652.6	684.6
47.5°	529.8	505.8	349.6	503.1	533.8
50°	413.7	376.3	269.6	373.7	412.4
52.5°	317.6	277.6	208.2	277.6	315.0
55°	248.2	208.2	161.5	208.2	245.6
57.5°	190.8	158.8	122.8	156.1	189.5
60°	145.5	118.8	96.1	118.8	146.8
62.5°	110.8	90.7	73.4	89.4	109.4
65°	84.1	68.1	57.4	68.1	82.7
67.5°	61.4	50.7	44.0	50.7	62.7
70°	45.4	38.7	33.4	37.4	45.4
72.5°	33.4	28.0	25.4	28.0	33.4
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)