

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 EX4C559027 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 EX4C559027 4LCSQWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

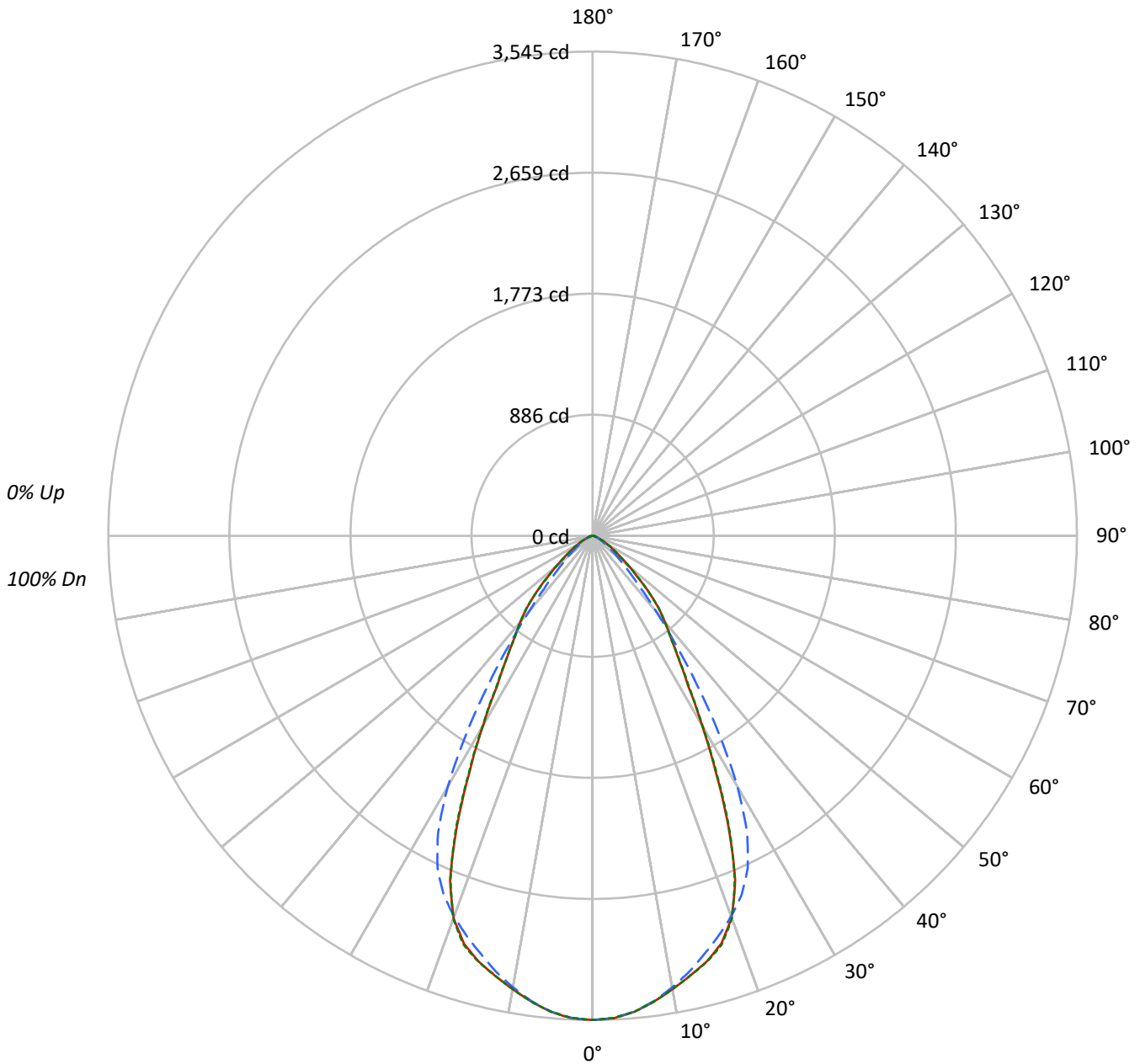
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.0 lumens
Efficiency: N/A
Efficacy: 58.7 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

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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°	342043	342043	342043
5°	338914	338701	338807
10°	330233	328920	330233
15°	322284	316480	322623
20°	305569	304419	306144
25°	250648	286004	251957
30°	178733	236279	178989
35°	128911	156568	129311
40°	103361	90966	103361
45°	78872	53081	78257
50°	52028	33895	51848
55°	34974	22761	34604
60°	23524	15535	23736
65°	16073	10982	15822
70°	10720	7871	10720
75°	7083	5853	7083
80°	4945	4334	4945
85°	3764	3764	3764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.5	8.8
10°-20°	898.6	23.9
20°-30°	1123.3	29.9
30°-40°	755.7	20.1
40°-50°	399.0	10.6
50°-60°	162.2	4.3
60°-70°	60.1	1.6
70°-80°	19.4	0.5
80°-90°	4.2	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°	2351.4	62.7
0°-40°	3107.1	82.8
0°-60°	3668.2	97.8
0°-90°	3752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3545	3545	3545	3545	3545	
5°	3499	3496	3497	3497	3498	330
15°	3226	3200	3168	3198	3230	904
25°	2354	2486	2686	2491	2367	1060
35°	1094	1149	1329	1152	1098	704
45°	578	549	389	547	574	443
55°	208	174	135	174	206	193
65°	70	57	48	57	69	73
75°	19	17	16	17	19	22
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3544.9	3544.9	3544.9	3544.9	3544.9
2.5°	3536.0	3533.8	3532.6	3532.6	3533.8
5°	3499.1	3495.7	3496.9	3496.9	3498.0
7.5°	3439.8	3438.7	3435.4	3439.8	3439.8
10°	3370.5	3364.9	3357.1	3366.1	3370.5
12.5°	3299.0	3282.2	3268.8	3282.2	3299.0
15°	3226.3	3199.5	3168.2	3198.4	3229.7
17.5°	3131.3	3104.5	3069.8	3110.1	3140.2
20°	2975.9	2978.1	2964.7	2975.9	2981.5
22.5°	2726.6	2776.9	2847.4	2778.0	2718.8
25°	2354.3	2486.3	2686.4	2490.7	2366.6
27.5°	1955.2	2122.9	2450.5	2133.0	1967.5
30°	1604.2	1752.9	2120.7	1763.0	1606.5
32.5°	1299.0	1409.7	1723.8	1423.1	1313.6
35°	1094.4	1149.2	1329.2	1151.5	1097.8
37.5°	937.9	937.9	987.1	942.4	933.5
40°	820.6	784.8	722.2	783.7	820.6
42.5°	711.0	657.3	524.3	655.1	713.2
45°	578.0	548.9	389.0	546.7	573.5
47.5°	443.8	423.7	292.9	421.5	447.2
50°	346.6	315.3	225.8	313.0	345.4
52.5°	266.1	232.5	174.4	232.5	263.8
55°	207.9	174.4	135.3	174.4	205.7
57.5°	159.9	133.0	102.8	130.8	158.7
60°	121.9	99.5	80.5	99.5	123.0
62.5°	92.8	76.0	61.5	74.9	91.7
65°	70.4	57.0	48.1	57.0	69.3
67.5°	51.4	42.5	36.9	42.5	52.5
70°	38.0	32.4	27.9	31.3	38.0
72.5°	27.9	23.5	21.2	23.5	27.9
75°	19.0	16.8	15.7	16.8	19.0
77.5°	13.4	12.3	11.2	12.3	13.4
80°	8.9	7.8	7.8	8.9	8.9
82.5°	5.6	5.6	5.6	5.6	5.6
85°	3.4	3.4	3.4	3.4	3.4
87.5°	2.2	2.2	2.2	2.2	2.2
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)