

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 EX4C559030 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 EX4C559030 4LCSQWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

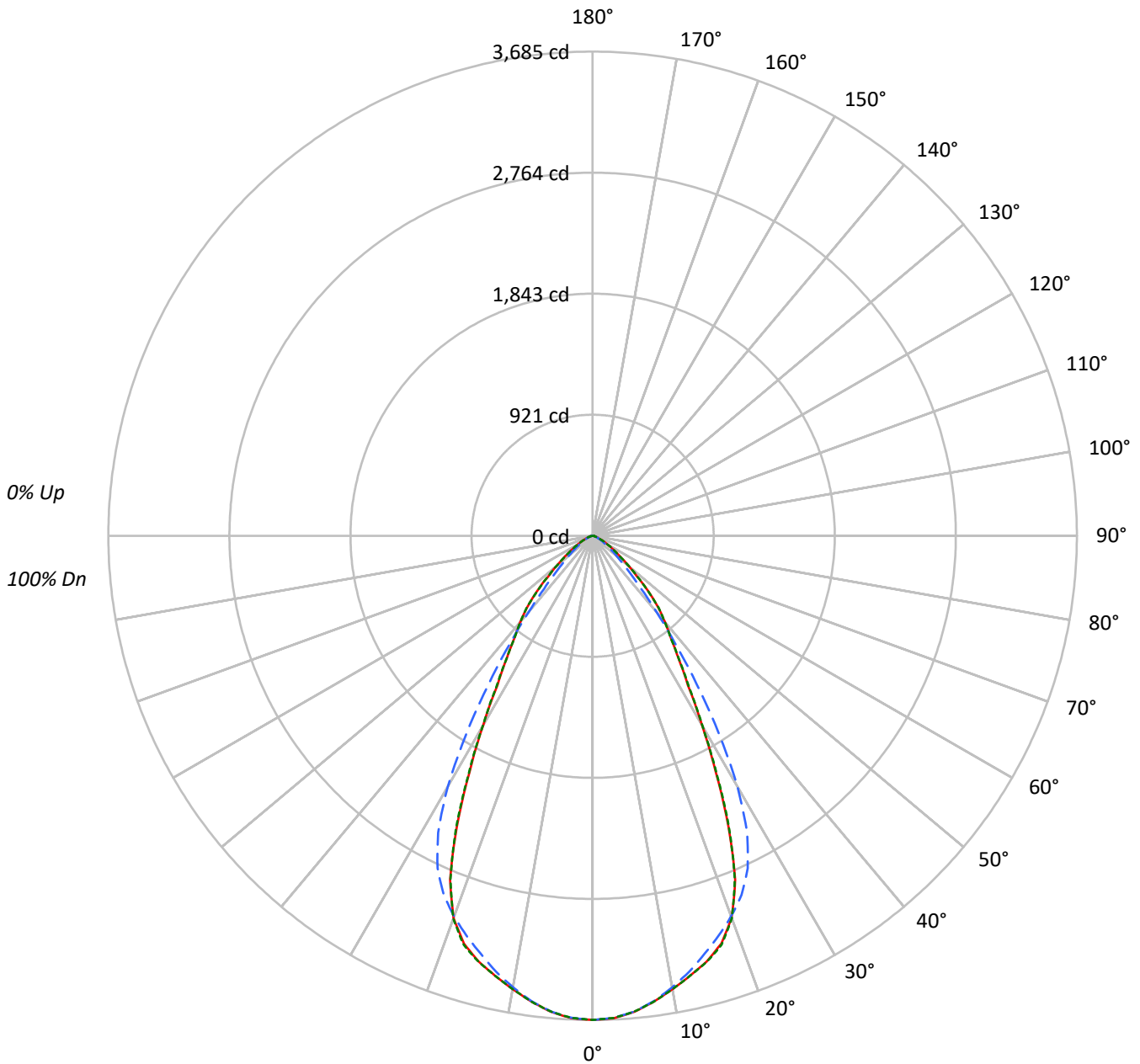
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3900.0 lumens
Efficiency: N/A
Efficacy: 61.0 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°	355542	355542	355542
5°	352280	352058	352174
10°	343264	341892	343264
15°	335000	328966	335350
20°	317624	316433	318220
25°	260538	297279	261901
30°	185786	245605	186042
35°	133999	162740	134412
40°	107429	94556	107429
45°	81983	55183	81341
50°	54070	35231	53905
55°	36353	23652	35966
60°	24450	16152	24663
65°	16712	11416	16438
70°	11144	8210	11144
75°	7382	6077	7382
80°	5168	4501	5168
85°	3875	3875	3875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	8.8
10°-20°	934.0	23.9
20°-30°	1167.6	29.9
30°-40°	785.5	20.1
40°-50°	414.8	10.6
50°-60°	168.6	4.3
60°-70°	62.5	1.6
70°-80°	20.2	0.5
80°-90°	4.3	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°	2444.1	62.7
0°-40°	3229.6	82.8
0°-60°	3813.0	97.8
0°-90°	3900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3685	3685	3685	3685	3685	
5°	3637	3634	3635	3635	3636	343
15°	3354	3326	3293	3324	3357	940
25°	2447	2584	2792	2589	2460	1102
35°	1138	1195	1382	1197	1141	732
45°	601	571	404	568	596	461
55°	216	181	141	181	214	200
65°	73	59	50	59	72	75
75°	20	17	16	17	20	23
85°	4	4	4	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3684.8	3684.8	3684.8	3684.8	3684.8
2.5°	3675.5	3673.1	3672.0	3672.0	3673.1
5°	3637.1	3633.6	3634.8	3634.8	3636.0
7.5°	3575.5	3574.4	3570.9	3575.5	3575.5
10°	3503.5	3497.7	3489.5	3498.8	3503.5
12.5°	3429.1	3411.7	3397.7	3411.7	3429.1
15°	3353.6	3325.7	3293.2	3324.5	3357.1
17.5°	3254.8	3226.9	3190.9	3232.7	3264.1
20°	3093.3	3095.6	3081.7	3093.3	3099.1
22.5°	2834.2	2886.5	2959.7	2887.6	2826.0
25°	2447.2	2584.3	2792.3	2589.0	2460.0
27.5°	2032.4	2206.7	2547.1	2217.1	2045.2
30°	1667.5	1822.0	2204.4	1832.5	1669.8
32.5°	1350.3	1465.3	1791.8	1479.3	1365.4
35°	1137.6	1194.6	1381.6	1196.9	1141.1
37.5°	974.9	974.9	1026.1	979.6	970.3
40°	852.9	815.7	750.7	814.6	852.9
42.5°	739.0	683.3	545.0	680.9	741.4
45°	600.8	570.6	404.4	568.2	596.1
47.5°	461.3	440.4	304.4	438.1	464.8
50°	360.2	327.7	234.7	325.4	359.1
52.5°	276.6	241.7	181.3	241.7	274.2
55°	216.1	181.3	140.6	181.3	213.8
57.5°	166.2	138.3	106.9	136.0	165.0
60°	126.7	103.4	83.7	103.4	127.8
62.5°	96.4	79.0	63.9	77.9	95.3
65°	73.2	59.3	50.0	59.3	72.0
67.5°	53.5	44.2	38.3	44.2	54.6
70°	39.5	33.7	29.1	32.5	39.5
72.5°	29.1	24.4	22.1	24.4	29.1
75°	19.8	17.4	16.3	17.4	19.8
77.5°	13.9	12.8	11.6	12.8	13.9
80°	9.3	8.1	8.1	9.3	9.3
82.5°	5.8	5.8	5.8	5.8	5.8
85°	3.5	3.5	3.5	3.5	3.5
87.5°	2.3	2.3	2.3	2.3	2.3
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)