

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 EX4C559035 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 EX4C559035 4LCSQWH  
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

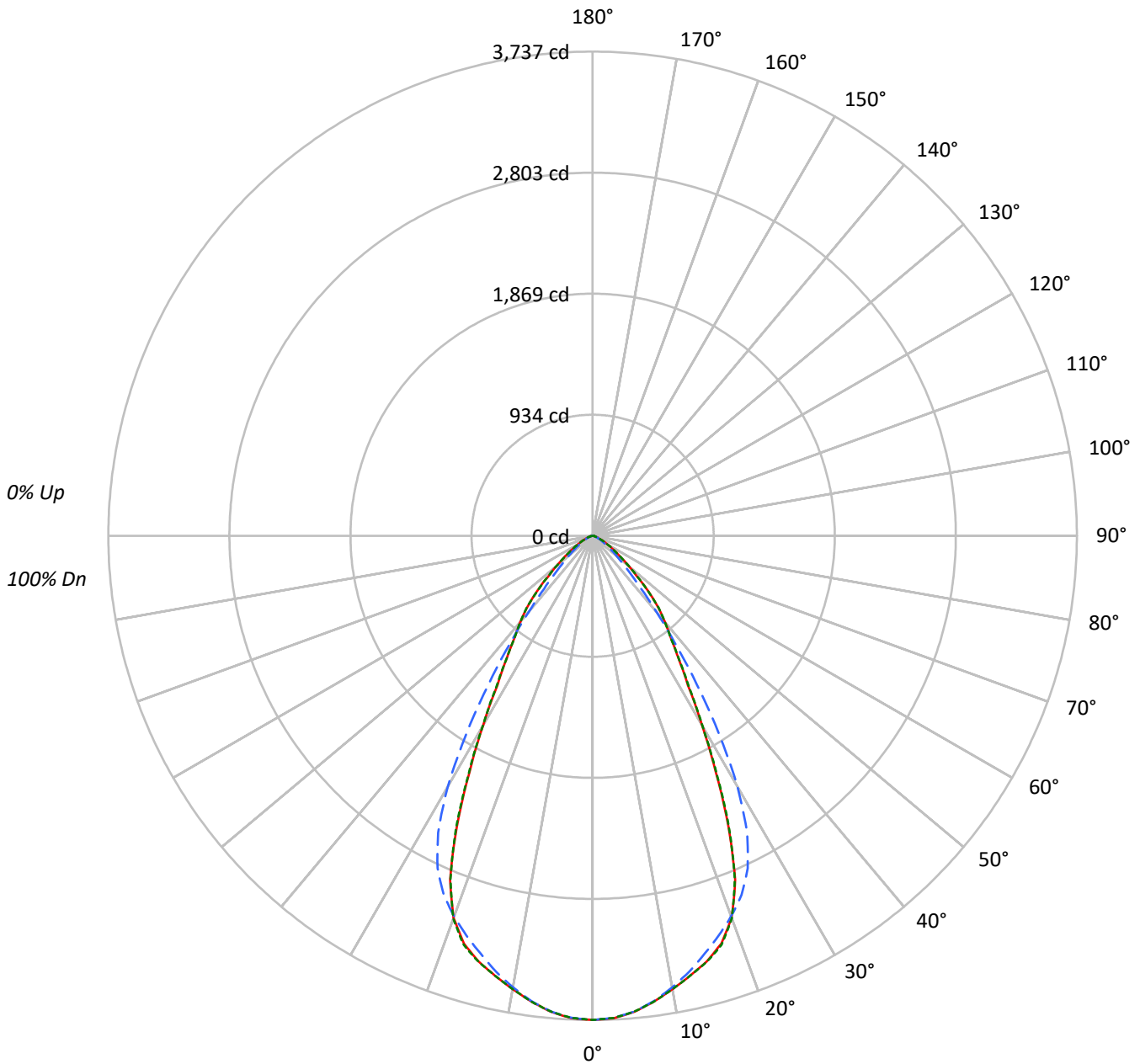
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3955.0 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): 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				100															
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92															
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84															
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77				77															
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66				66															
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61				61															
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56				56															
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	360550	360550	360550
5°	357249	357026	357133
10°	348104	346722	348104
15°	339725	333602	340075
20°	322101	320889	322707
25°	264211	301473	265595
30°	188404	249059	188671
35°	135896	165037	136308
40°	108953	95891	108953
45°	83129	55961	82488
50°	54835	35726	54655
55°	36875	23989	36471
60°	24778	16365	25010
65°	16941	11575	16690
70°	11313	8322	11313
75°	7456	6151	7456
80°	5223	4556	5223
85°	3875	3875	3875



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.4	8.8
10°-20°	947.2	23.9
20°-30°	1184.1	29.9
30°-40°	796.6	20.1
40°-50°	420.6	10.6
50°-60°	170.9	4.3
60°-70°	63.4	1.6
70°-80°	20.5	0.5
80°-90°	4.4	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°	2478.6	62.7
0°-40°	3275.2	82.8
0°-60°	3866.7	97.8
0°-90°	3955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3955.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3737	3737	3737	3737	3737	
5°	3688	3685	3686	3686	3687	348
15°	3401	3373	3340	3371	3404	953
25°	2482	2621	2832	2626	2495	1117
35°	1154	1211	1401	1214	1157	742
45°	609	579	410	576	604	467
55°	219	184	143	184	217	203
65°	74	60	51	60	73	76
75°	20	18	16	18	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°	3736.7	3736.7	3736.7	3736.7	3736.7
2.5°	3727.3	3724.9	3723.8	3723.8	3724.9
5°	3688.4	3684.9	3686.1	3686.1	3687.2
7.5°	3626.0	3624.8	3621.2	3626.0	3626.0
10°	3552.9	3547.0	3538.8	3548.2	3552.9
12.5°	3477.5	3459.8	3445.7	3459.8	3477.5
15°	3400.9	3372.6	3339.6	3371.4	3404.4
17.5°	3300.7	3272.4	3235.9	3278.3	3310.1
20°	3136.9	3139.3	3125.1	3136.9	3142.8
22.5°	2874.1	2927.2	3001.4	2928.3	2865.9
25°	2481.7	2620.8	2831.7	2625.5	2494.7
27.5°	2061.0	2237.8	2583.1	2248.4	2074.0
30°	1691.0	1847.7	2235.4	1858.3	1693.4
32.5°	1369.3	1486.0	1817.1	1500.1	1384.6
35°	1153.7	1211.4	1401.1	1213.8	1157.2
37.5°	988.7	988.7	1040.5	993.4	984.0
40°	865.0	827.2	761.3	826.1	865.0
42.5°	749.5	692.9	552.7	690.5	751.8
45°	609.2	578.6	410.1	576.2	604.5
47.5°	467.8	446.6	308.7	444.3	471.4
50°	365.3	332.3	238.0	330.0	364.1
52.5°	280.5	245.1	183.8	245.1	278.1
55°	219.2	183.8	142.6	183.8	216.8
57.5°	168.5	140.2	108.4	137.9	167.3
60°	128.4	104.9	84.8	104.9	129.6
62.5°	97.8	80.1	64.8	79.0	96.6
65°	74.2	60.1	50.7	60.1	73.1
67.5°	54.2	44.8	38.9	44.8	55.4
70°	40.1	34.2	29.5	33.0	40.1
72.5°	29.5	24.7	22.4	24.7	29.5
75°	20.0	17.7	16.5	17.7	20.0
77.5°	14.1	13.0	11.8	13.0	14.1
80°	9.4	8.2	8.2	9.4	9.4
82.5°	5.9	5.9	5.9	5.9	5.9
85°	3.5	3.5	3.5	3.5	3.5
87.5°	2.4	2.4	2.4	2.4	2.4
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)