

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: P563892

Luminaire Tested: **LD4C08D010 EX4C08D2W 4LCSQWH**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P563892
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: LD4C08D010 EX4C08D2W 4LCSQWH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LCSQW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

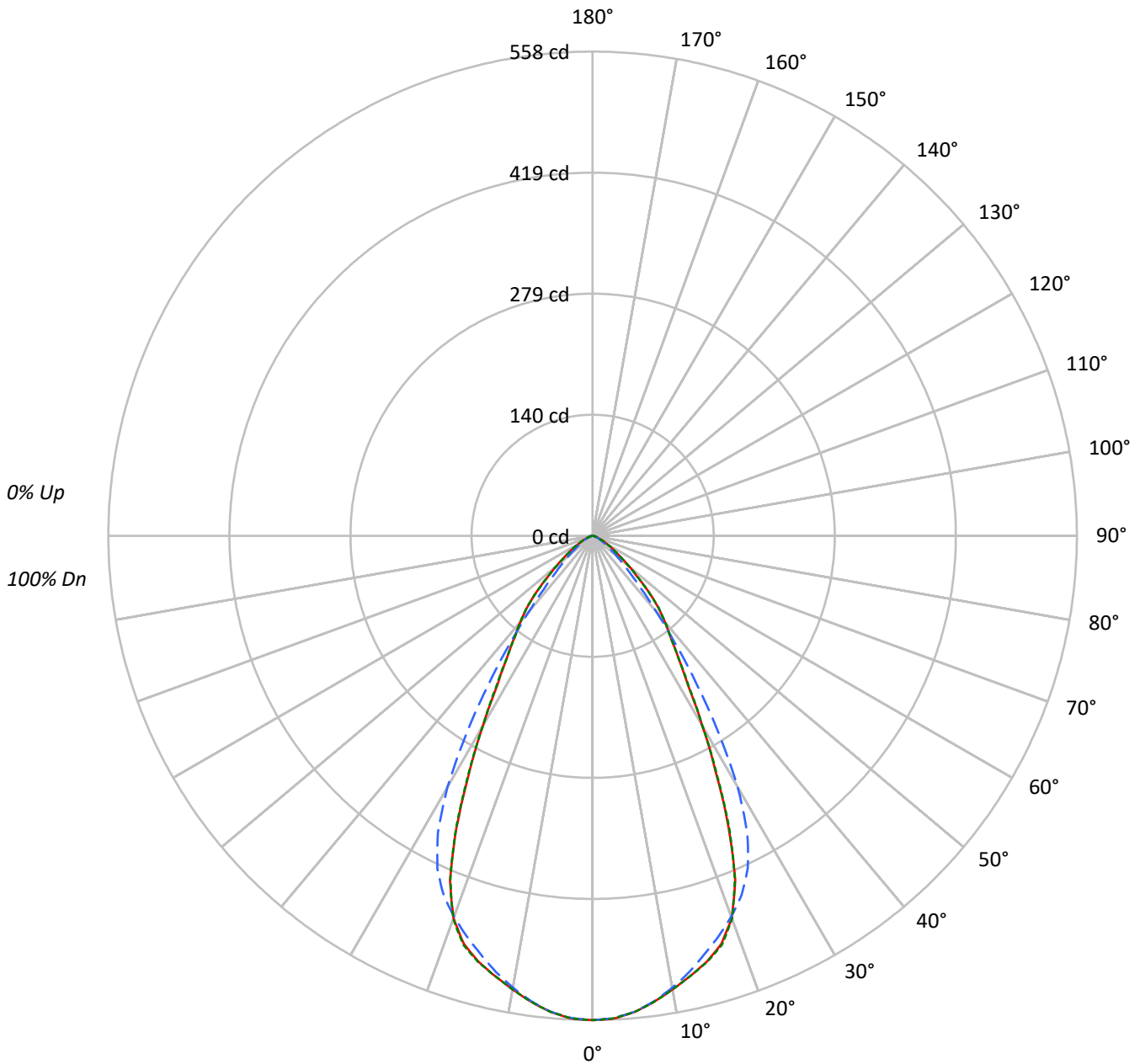
Lumens per Lamp: N/A
Luminaire Lumens: 591.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V):
Input Current (A_{in}): 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: P563892

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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	90	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°	53870	53870	53870
5°	53378	53349	53368
10°	52016	51810	52016
15°	50765	49846	50815
20°	48127	47952	48219
25°	39487	45055	39690
30°	28155	37213	28199
35°	20307	24654	20366
40°	16286	14321	16286
45°	12417	8351	12322
50°	8196	5344	8166
55°	5518	3583	5450
60°	3705	2451	3724
65°	2534	1712	2489
70°	1693	1241	1693
75°	1081	895	1081
80°	778	667	778
85°	554	554	554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	8.8
10°-20°	141.5	24.0
20°-30°	176.9	29.9
30°-40°	119.0	20.1
40°-50°	62.9	10.6
50°-60°	25.6	4.3
60°-70°	9.5	1.6
70°-80°	3.0	0.5
80°-90°	0.6	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°	370.4	62.7
0°-40°	489.4	82.8
0°-60°	577.8	97.8
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	558	558	558	558	558	
5°	551	551	551	551	551	52
15°	508	504	499	504	509	142
25°	371	392	423	392	373	167
35°	172	181	209	181	173	111
45°	91	86	61	86	90	70
55°	33	28	21	28	32	30
65°	11	9	8	9	11	11
75°	3	3	2	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	558.3	558.3	558.3	558.3	558.3
2.5°	557.0	556.6	556.4	556.4	556.6
5°	551.1	550.6	550.8	550.8	551.0
7.5°	541.9	541.7	541.2	541.9	541.9
10°	530.9	530.1	528.8	530.2	530.9
12.5°	519.7	517.0	514.9	517.0	519.7
15°	508.2	503.9	499.0	503.8	508.7
17.5°	493.2	489.0	483.6	489.9	494.7
20°	468.7	469.1	467.0	468.7	469.6
22.5°	429.5	437.4	448.5	437.6	428.2
25°	370.9	391.6	423.2	392.3	372.8
27.5°	308.0	334.4	386.0	336.0	309.9
30°	252.7	276.1	334.0	277.7	253.1
32.5°	204.7	222.1	271.5	224.2	206.9
35°	172.4	181.1	209.3	181.4	172.9
37.5°	147.7	147.7	155.5	148.4	147.0
40°	129.3	123.6	113.7	123.5	129.3
42.5°	112.0	103.6	82.6	103.1	112.3
45°	91.0	86.5	61.2	86.2	90.3
47.5°	69.9	66.7	46.2	66.4	70.4
50°	54.6	49.6	35.6	49.3	54.4
52.5°	41.9	36.6	27.5	36.6	41.6
55°	32.8	27.5	21.3	27.5	32.4
57.5°	25.2	21.0	16.2	20.6	25.0
60°	19.2	15.7	12.7	15.7	19.3
62.5°	14.6	12.0	9.7	11.8	14.4
65°	11.1	9.0	7.5	9.0	10.9
67.5°	8.1	6.7	5.8	6.7	8.2
70°	6.0	5.1	4.4	4.9	6.0
72.5°	4.4	3.7	3.4	3.7	4.4
75°	2.9	2.6	2.4	2.6	2.9
77.5°	2.1	1.9	1.7	1.9	2.1
80°	1.4	1.2	1.2	1.4	1.4
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.3	0.3	0.3	0.3	0.3
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)