

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: P563883

Luminaire Tested: **LD4C60D010 EX4C609030 4LCSQWH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563883
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: LD4C60D010 EX4C609030 4LCSQWH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

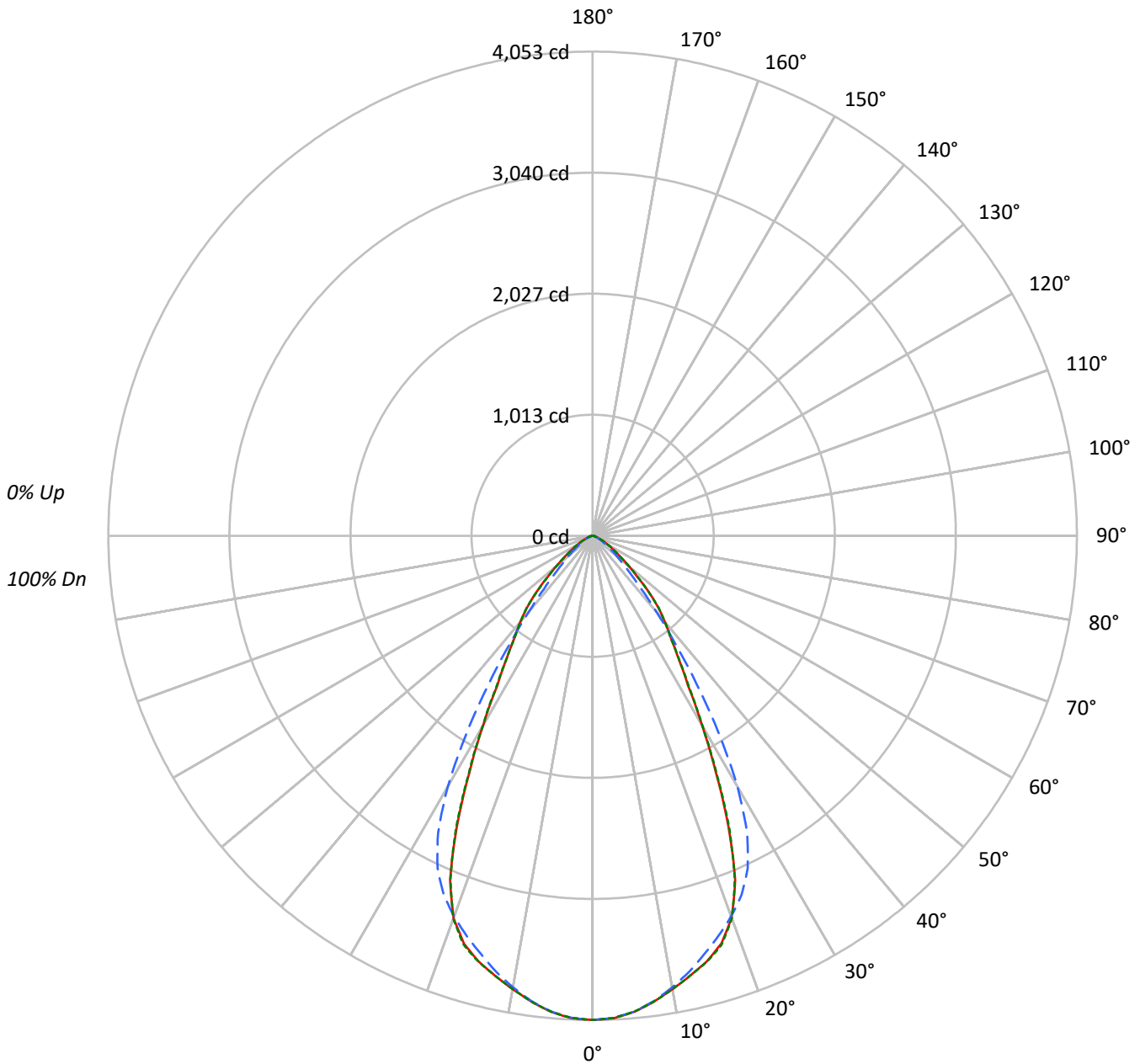
Lumens per Lamp: N/A
Luminaire Lumens: 4289.5 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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

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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°	391050	391050	391050
5°	387469	387217	387343
10°	377556	376047	377556
15°	368464	361811	368834
20°	349342	348038	350000
25°	286558	326971	288070
30°	204337	270128	204626
35°	147392	178995	147840
40°	118173	104003	118173
45°	90170	60696	89474
50°	59474	38758	59278
55°	39987	26007	39566
60°	26901	17773	27133
65°	18402	12534	18082
70°	12244	8999	12244
75°	8127	6673	8127
80°	5723	5001	5723
85°	4318	4318	4318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	8.8
10°-20°	1027.3	23.9
20°-30°	1284.2	29.9
30°-40°	863.9	20.1
40°-50°	456.2	10.6
50°-60°	185.4	4.3
60°-70°	68.7	1.6
70°-80°	22.2	0.5
80°-90°	4.8	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°	2688.3	62.7
0°-40°	3552.2	82.8
0°-60°	4193.8	97.8
0°-90°	4289.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4289.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4053	4053	4053	4053	4053	
5°	4000	3997	3998	3998	3999	377
15°	3689	3658	3622	3657	3692	1033
25°	2692	2842	3071	2848	2706	1212
35°	1251	1314	1520	1316	1255	805
45°	661	628	445	625	656	507
55°	238	199	155	199	235	220
65°	81	65	55	65	79	83
75°	22	19	18	19	22	25
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4052.8	4052.8	4052.8	4052.8	4052.8
2.5°	4042.6	4040.0	4038.8	4038.8	4040.0
5°	4000.4	3996.6	3997.8	3997.8	3999.1
7.5°	3932.7	3931.4	3927.5	3932.7	3932.7
10°	3853.5	3847.1	3838.1	3848.3	3853.5
12.5°	3771.6	3752.5	3737.1	3752.5	3771.6
15°	3688.6	3657.9	3622.0	3656.6	3692.3
17.5°	3579.9	3549.2	3509.6	3555.6	3590.1
20°	3402.2	3404.8	3389.5	3402.2	3408.6
22.5°	3117.2	3174.8	3255.2	3176.0	3108.3
25°	2691.6	2842.5	3071.2	2847.5	2705.8
27.5°	2235.4	2427.0	2801.6	2438.5	2249.4
30°	1834.0	2004.0	2424.5	2015.6	1836.6
32.5°	1485.1	1611.7	1970.8	1627.0	1501.8
35°	1251.3	1313.9	1519.6	1316.5	1255.1
37.5°	1072.3	1072.3	1128.6	1077.4	1067.2
40°	938.2	897.2	825.7	895.9	938.2
42.5°	812.8	751.5	599.4	749.0	815.4
45°	660.8	627.5	444.8	625.0	655.7
47.5°	507.4	484.4	334.9	481.8	511.2
50°	396.2	360.4	258.2	357.9	394.9
52.5°	304.1	265.8	199.4	265.8	301.6
55°	237.7	199.4	154.6	199.4	235.2
57.5°	182.8	152.1	117.6	149.5	181.5
60°	139.4	113.7	92.1	113.7	140.6
62.5°	106.1	86.9	70.3	85.6	104.8
65°	80.6	65.2	54.9	65.2	79.2
67.5°	58.8	48.5	42.2	48.5	60.1
70°	43.4	37.0	31.9	35.8	43.4
72.5°	31.9	26.9	24.3	26.9	31.9
75°	21.8	19.1	17.9	19.1	21.8
77.5°	15.4	14.0	12.8	14.0	15.4
80°	10.3	9.0	9.0	10.3	10.3
82.5°	6.4	6.4	6.4	6.4	6.4
85°	3.9	3.9	3.9	3.9	3.9
87.5°	2.5	2.5	2.5	2.5	2.5
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)