

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: P563829

Luminaire Tested: **LD4C35D010 EX4C359030 4LCSQWH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563829
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: LD4C35D010 EX4C359030 4LCSQWH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

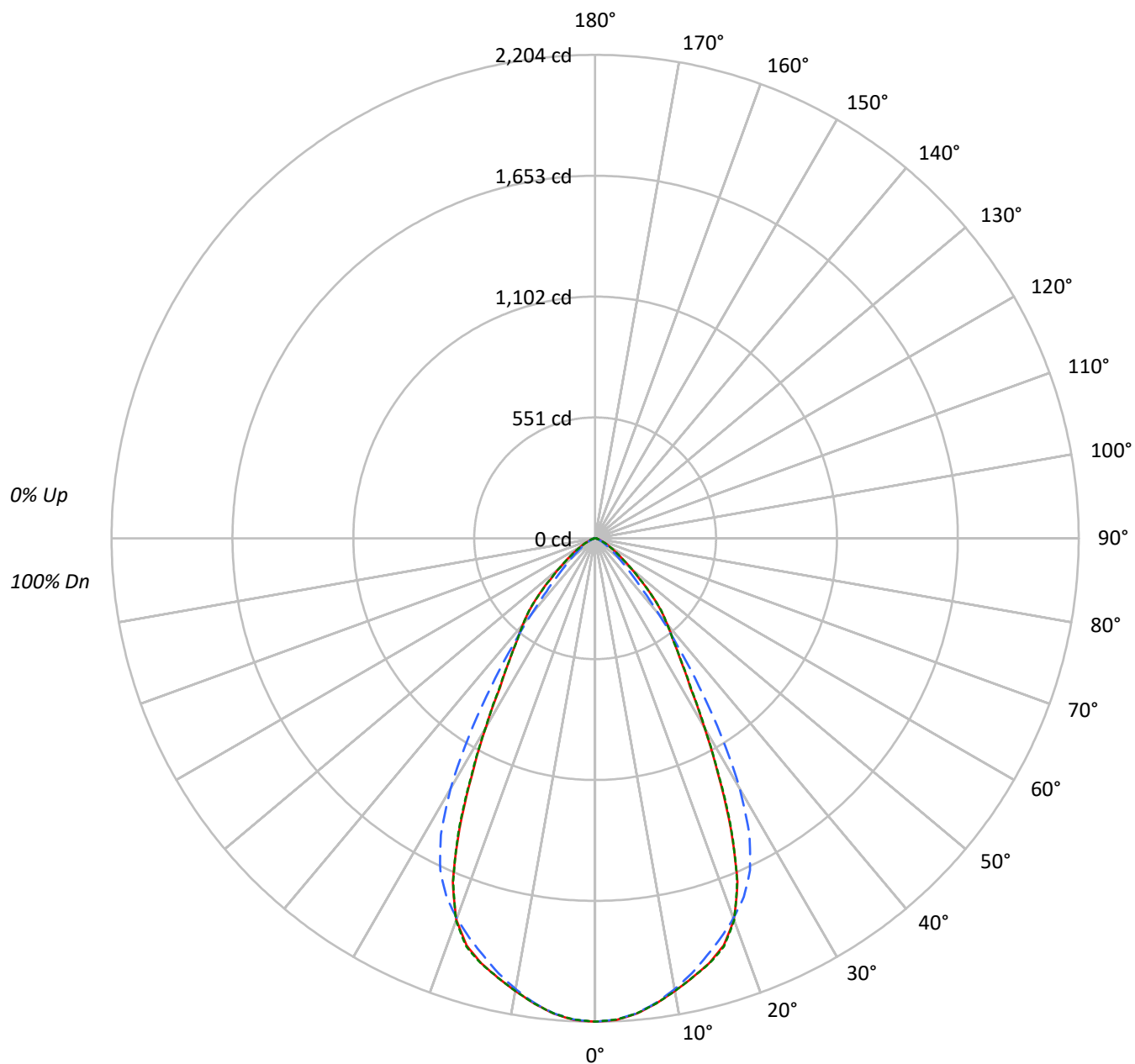
Lumens per Lamp: N/A
Luminaire Lumens: 2332.4 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105	110	108	105	103		104	102	100			100	98	97			96
2	107	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	101	93	88	84	98	92	87	83		89	85	82			87	83	80			85
4	95	87	80	76	93	85	80	75		83	78	74			81	77	74			79
5	89	80	74	69	88	79	73	69		78	72	68			76	71	68			74
6	85	75	68	64	83	74	68	63		72	67	63			71	66	63			70
7	80	70	63	59	79	69	63	59		68	62	58			67	62	58			65
8	76	65	59	55	74	65	59	54		64	58	54			63	58	54			62
9	72	61	55	51	71	61	55	51		60	54	51			59	54	50			58
10	68	58	52	48	67	57	51	47		57	51	47			56	51	47			55

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	212642	212642	212642
5°	210684	210558	210626
10°	205292	204479	205292
15°	200345	196739	200554
20°	189960	189252	190310
25°	155810	177784	156640
30°	111115	146879	111271
35°	80145	97331	80381
40°	64251	56555	64251
45°	49029	33009	48647
50°	32334	21075	32229
55°	21751	14148	21516
60°	14628	9649	14763
65°	9977	6827	9840
70°	6658	4909	6658
75°	4399	3653	4399
80°	3112	2723	3112
85°	2214	2214	2214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	8.8
10°-20°	558.6	23.9
20°-30°	698.3	29.9
30°-40°	469.8	20.1
40°-50°	248.1	10.6
50°-60°	100.8	4.3
60°-70°	37.4	1.6
70°-80°	12.1	0.5
80°-90°	2.6	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°	1461.8	62.7
0°-40°	1931.5	82.8
0°-60°	2280.4	97.8
0°-90°	2332.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2332.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2204	2204	2204	2204	2204	
5°	2175	2173	2174	2174	2175	205
15°	2006	1989	1970	1988	2008	562
25°	1464	1546	1670	1548	1471	659
35°	680	714	826	716	682	438
45°	359	341	242	340	356	276
55°	129	108	84	108	128	120
65°	44	35	30	35	43	45
75°	12	10	10	10	12	14
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2203.8	2203.8	2203.8	2203.8	2203.8
2.5°	2198.2	2196.7	2196.0	2196.0	2196.7
5°	2175.2	2173.1	2173.9	2173.9	2174.6
7.5°	2138.4	2137.6	2135.6	2138.4	2138.4
10°	2095.3	2091.9	2087.0	2092.5	2095.3
12.5°	2050.8	2040.4	2032.1	2040.4	2050.8
15°	2005.6	1988.9	1969.5	1988.3	2007.7
17.5°	1946.6	1929.9	1908.4	1933.4	1952.1
20°	1850.0	1851.4	1843.1	1850.0	1853.4
22.5°	1695.0	1726.3	1770.0	1727.0	1690.2
25°	1463.5	1545.6	1669.9	1548.4	1471.3
27.5°	1215.5	1319.7	1523.4	1326.0	1223.1
30°	997.3	1089.7	1318.3	1095.9	998.7
32.5°	807.6	876.3	1071.6	884.7	816.6
35°	680.4	714.4	826.3	715.8	682.4
37.5°	583.1	583.1	613.7	585.8	580.3
40°	510.1	487.8	449.0	487.1	510.1
42.5°	442.0	408.6	325.9	407.3	443.4
45°	359.3	341.3	241.9	339.8	356.5
47.5°	275.9	263.4	182.1	262.0	278.0
50°	215.4	196.0	140.4	194.6	214.7
52.5°	165.4	144.5	108.4	144.5	164.0
55°	129.3	108.4	84.1	108.4	127.9
57.5°	99.4	82.7	64.0	81.3	98.7
60°	75.8	61.8	50.0	61.8	76.5
62.5°	57.7	47.3	38.2	46.6	57.0
65°	43.7	35.4	29.9	35.4	43.1
67.5°	31.9	26.4	22.9	26.4	32.7
70°	23.6	20.1	17.4	19.4	23.6
72.5°	17.4	14.5	13.2	14.5	17.4
75°	11.8	10.4	9.8	10.4	11.8
77.5°	8.3	7.6	6.9	7.6	8.3
80°	5.6	4.9	4.9	5.6	5.6
82.5°	3.5	3.5	3.5	3.5	3.5
85°	2.0	2.0	2.0	2.0	2.0
87.5°	1.4	1.4	1.4	1.4	1.4
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)