

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: **LD4C100D010 EX4C1009035 4LCSQWH**

Issue Date: 2/18/2022



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: LD4C100D010 EX4C1009035 4LCSQWH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

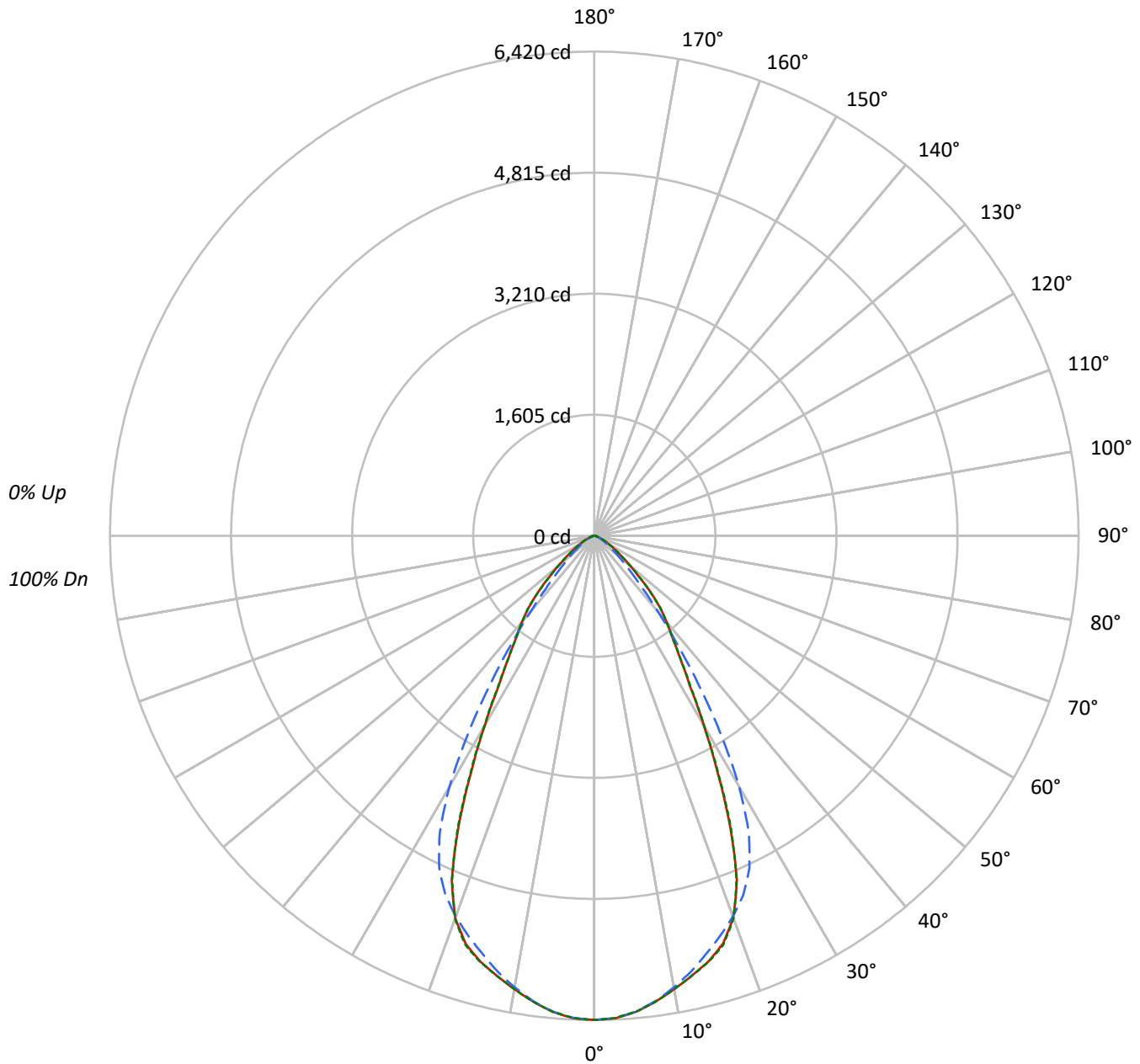
Lumens per Lamp: N/A
Luminaire Lumens: 6795.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		110	108	105	103		104	102	100		100	98	97		96	95	94
2	107	101	97	93		104	99	95	92		96	93	90		93	90	88		90	88	86
3	101	93	88	84		98	92	87	83		89	85	82		87	83	80		85	82	79
4	95	87	80	76		93	85	80	75		83	78	74		81	77	74		79	76	73
5	89	80	74	69		88	79	73	69		78	72	68		76	71	68		74	70	67
6	85	75	68	64		83	74	68	63		72	67	63		71	66	63		70	65	62
7	80	70	63	59		79	69	63	59		68	62	58		67	62	58		65	61	58
8	76	65	59	55		74	65	59	54		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	48		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	619459	619459	619459
5°	613786	613389	613592
10°	598074	595693	598074
15°	583673	573154	584282
20°	553401	551317	554438
25°	453940	517957	456314
30°	323696	427915	324142
35°	233474	283547	234192
40°	187185	164740	187185
45°	142828	96147	141723
50°	94209	61395	93909
55°	63353	41215	62663
60°	42590	28136	42976
65°	29110	19886	28653
70°	19409	14275	19409
75°	12824	10550	12824
80°	9002	7890	9002
85°	6753	6753	6753



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.8	8.8
10°-20°	1627.3	23.9
20°-30°	2034.4	29.9
30°-40°	1368.5	20.1
40°-50°	722.6	10.6
50°-60°	293.7	4.3
60°-70°	108.9	1.6
70°-80°	35.2	0.5
80°-90°	7.6	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°	4258.5	62.7
0°-40°	5627.0	82.8
0°-60°	6643.3	97.8
0°-90°	6795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6795.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6420	6420	6420	6420	6420	
5°	6337	6331	6333	6333	6335	597
15°	5843	5794	5738	5792	5849	1637
25°	4264	4503	4865	4511	4286	1919
35°	1982	2081	2407	2085	1988	1276
45°	1047	994	705	990	1039	803
55°	377	316	245	316	372	349
65°	128	103	87	103	126	131
75°	34	30	28	30	34	40
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6420.0	6420.0	6420.0	6420.0	6420.0
2.5°	6403.8	6399.8	6397.7	6397.7	6399.8
5°	6337.0	6330.9	6332.9	6332.9	6335.0
7.5°	6229.7	6227.7	6221.6	6229.7	6229.7
10°	6104.2	6094.0	6079.9	6096.1	6104.2
12.5°	5974.6	5944.2	5919.9	5944.2	5974.6
15°	5843.0	5794.4	5737.7	5792.4	5849.1
17.5°	5670.9	5622.3	5559.5	5632.4	5687.1
20°	5389.5	5393.5	5369.2	5389.5	5399.6
22.5°	4938.0	5029.1	5156.6	5031.1	4923.8
25°	4263.8	4502.7	4865.1	4510.8	4286.1
27.5°	3541.0	3844.7	4437.9	3862.9	3563.3
30°	2905.3	3174.6	3840.7	3192.8	2909.3
32.5°	2352.6	2553.0	3121.9	2577.3	2378.9
35°	1982.1	2081.3	2407.2	2085.3	1988.2
37.5°	1698.6	1698.6	1787.7	1706.7	1690.5
40°	1486.1	1421.3	1307.9	1419.2	1486.1
42.5°	1287.6	1190.5	949.5	1186.4	1291.7
45°	1046.7	994.1	704.6	990.0	1038.6
47.5°	803.8	767.3	530.4	763.3	809.8
50°	627.6	570.9	409.0	566.9	625.6
52.5°	481.9	421.1	315.8	421.1	477.8
55°	376.6	315.8	245.0	315.8	372.5
57.5°	289.5	240.9	186.3	236.9	287.5
60°	220.7	180.2	145.8	180.2	222.7
62.5°	168.0	137.7	111.4	135.6	166.0
65°	127.5	103.3	87.1	103.3	125.5
67.5°	93.1	76.9	66.8	76.9	95.2
70°	68.8	58.7	50.6	56.7	68.8
72.5°	50.6	42.5	38.5	42.5	50.6
75°	34.4	30.4	28.3	30.4	34.4
77.5°	24.3	22.3	20.2	22.3	24.3
80°	16.2	14.2	14.2	16.2	16.2
82.5°	10.1	10.1	10.1	10.1	10.1
85°	6.1	6.1	6.1	6.1	6.1
87.5°	4.0	4.0	4.0	4.0	4.0
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)