

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 EX4C1009040 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 EX4C1009040 4LCSQWH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

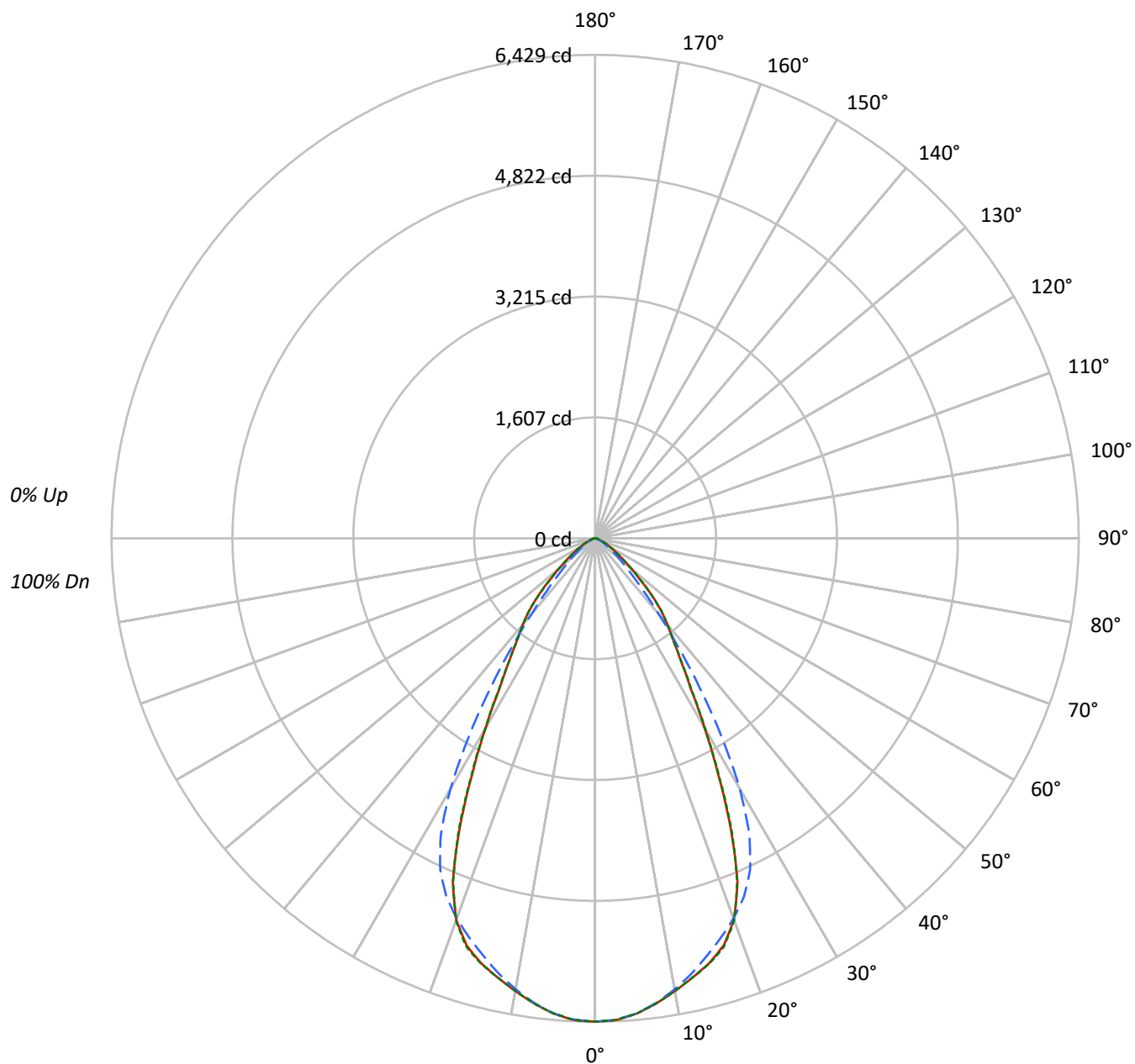
Lumens per Lamp: N/A
Luminaire Lumens: 6805.0 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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
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°	620366	620366	620366
5°	614687	614299	614493
10°	598946	596565	598946
15°	584532	574003	585141
20°	554212	552128	555249
25°	454611	518723	456985
30°	324175	428539	324621
35°	233816	283971	234534
40°	187450	164979	187450
45°	143047	96283	141928
50°	94344	61485	94044
55°	63437	41265	62764
60°	42648	28175	43034
65°	29155	19909	28699
70°	19438	14303	19438
75°	12862	10588	12862
80°	9002	7890	9002
85°	6753	6753	6753



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.7	8.8
10°-20°	1629.7	23.9
20°-30°	2037.3	29.9
30°-40°	1370.6	20.1
40°-50°	723.7	10.6
50°-60°	294.1	4.3
60°-70°	109.1	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°	4264.7	62.7
0°-40°	5635.3	82.8
0°-60°	6653.1	97.8
0°-90°	6805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6429	6429	6429	6429	6429	
5°	6346	6340	6342	6342	6344	598
15°	5852	5803	5746	5801	5858	1639
25°	4270	4509	4872	4517	4292	1922
35°	1985	2084	2411	2088	1991	1277
45°	1048	996	706	992	1040	804
55°	377	316	245	316	373	350
65°	128	103	87	103	126	132
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°	6429.4	6429.4	6429.4	6429.4	6429.4
2.5°	6413.2	6409.2	6407.1	6407.1	6409.2
5°	6346.3	6340.2	6342.3	6342.3	6344.3
7.5°	6238.9	6236.8	6230.7	6238.9	6238.9
10°	6113.1	6103.0	6088.8	6105.0	6113.1
12.5°	5983.4	5953.0	5928.6	5953.0	5983.4
15°	5851.6	5802.9	5746.2	5800.9	5857.7
17.5°	5679.2	5630.6	5567.7	5640.7	5695.5
20°	5397.4	5401.5	5377.1	5397.4	5407.5
22.5°	4945.3	5036.5	5164.2	5038.5	4931.1
25°	4270.1	4509.3	4872.3	4517.4	4292.4
27.5°	3546.2	3850.4	4444.4	3868.6	3568.5
30°	2909.6	3179.2	3846.3	3197.5	2913.6
32.5°	2356.0	2556.8	3126.5	2581.1	2382.4
35°	1985.0	2084.3	2410.8	2088.4	1991.1
37.5°	1701.1	1701.1	1790.4	1709.2	1693.0
40°	1488.2	1423.4	1309.8	1421.3	1488.2
42.5°	1289.5	1192.2	950.9	1188.2	1293.6
45°	1048.3	995.5	705.6	991.5	1040.1
47.5°	804.9	768.5	531.2	764.4	811.0
50°	628.5	571.8	409.6	567.7	626.5
52.5°	482.6	421.7	316.3	421.7	478.5
55°	377.1	316.3	245.3	316.3	373.1
57.5°	289.9	241.3	186.5	237.2	287.9
60°	221.0	180.5	146.0	180.5	223.0
62.5°	168.3	137.9	111.5	135.8	166.3
65°	127.7	103.4	87.2	103.4	125.7
67.5°	93.3	77.0	66.9	77.0	95.3
70°	68.9	58.8	50.7	56.8	68.9
72.5°	50.7	42.6	38.5	42.6	50.7
75°	34.5	30.4	28.4	30.4	34.5
77.5°	24.3	22.3	20.3	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°	4.1	4.1	4.1	4.1	4.1
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)