

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: **LD4C15D010 EX4C159040 4LCSQWLI**

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 (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15D010 EX4C159040 4LCSQWLI
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

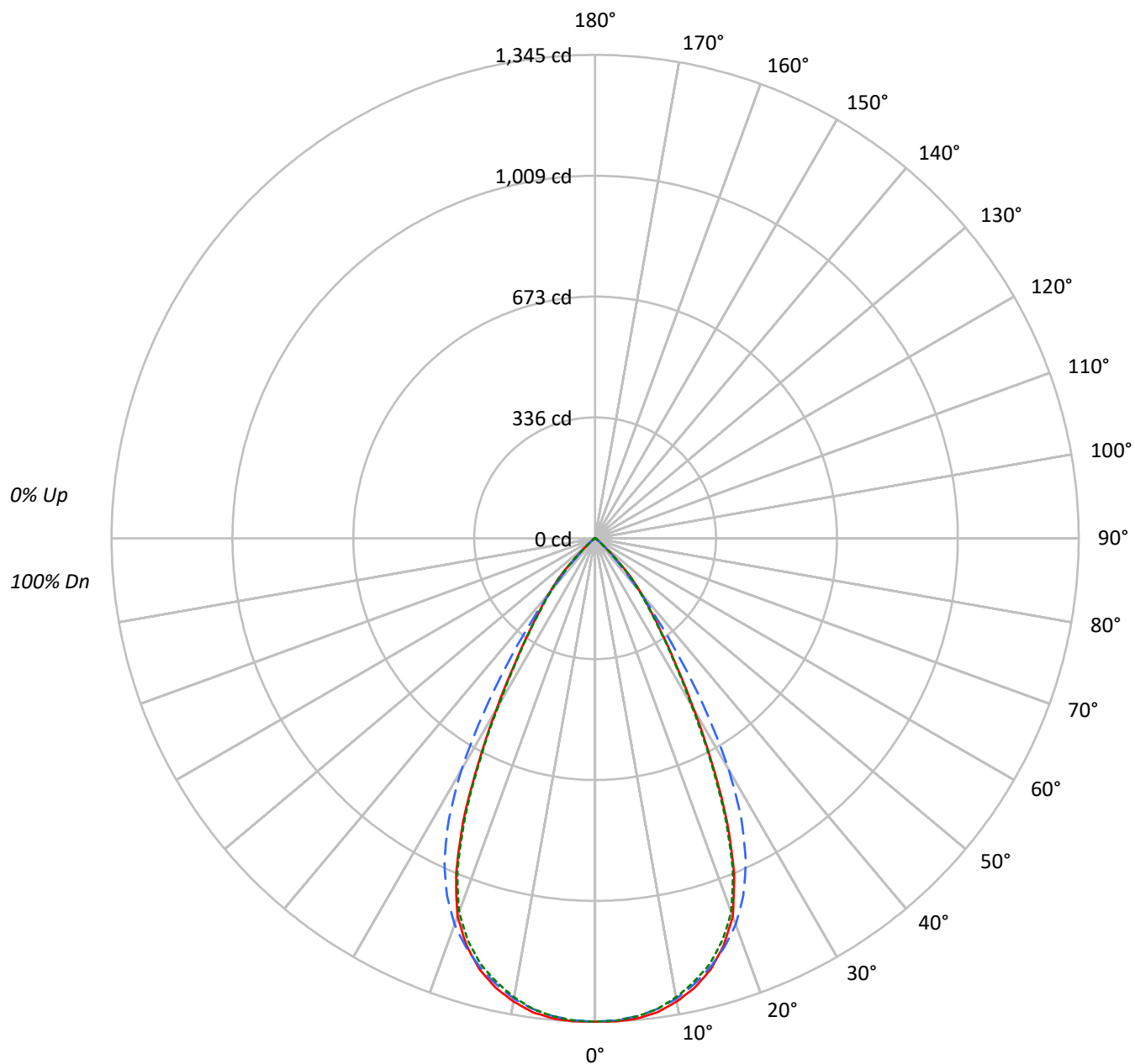
Lumens per Lamp: N/A
Luminaire Lumens: 1204.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81		
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76		
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71		
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66		
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62		
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58		
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55		
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	129768	129768	129768
5°	129905	129305	129305
10°	128194	127439	127047
15°	124037	123447	122618
20°	114870	117375	113607
25°	92368	105591	91144
30°	60967	82782	59518
35°	38105	49708	37410
40°	24864	23038	23894
45°	11967	9197	11299
50°	3017	3663	2822
55°	1665	1514	1615
60°	1139	946	1081
65°	776	708	776
70°	621	536	621
75°	447	447	447
80°	333	500	500
85°	332	664	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	10.5
10°-20°	345.4	28.7
20°-30°	411.6	34.2
30°-40°	233.1	19.4
40°-50°	72.1	6.0
50°-60°	10.0	0.8
60°-70°	3.4	0.3
70°-80°	1.3	0.1
80°-90°	0.6	0.0
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°	883.5	73.4
0°-40°	1116.6	92.7
0°-60°	1198.7	99.6
0°-90°	1204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1341	1338	1335	1334	1335	127
15°	1242	1240	1236	1231	1228	346
25°	868	918	992	920	856	387
35°	324	353	422	354	318	211
45°	88	102	67	100	83	72
55°	10	10	9	10	10	10
65°	3	3	3	3	3	4
75°	1	1	1	1	1	1
85°	0	1	1	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1344.9	1344.9	1344.9	1344.9	1344.9
2.5°	1345.2	1343.0	1342.4	1341.8	1343.0
5°	1341.2	1338.1	1335.0	1334.1	1335.0
7.5°	1329.8	1326.7	1321.4	1320.2	1321.1
10°	1308.4	1305.7	1300.7	1297.9	1296.7
12.5°	1280.3	1275.7	1271.0	1268.0	1264.9
15°	1241.7	1239.5	1235.8	1230.9	1227.5
17.5°	1188.2	1191.3	1193.5	1183.6	1174.7
20°	1118.7	1130.2	1143.1	1123.1	1106.4
22.5°	1010.3	1043.0	1076.1	1038.1	1001.0
25°	867.6	918.2	991.8	919.8	856.1
27.5°	701.0	765.3	881.1	765.6	691.8
30°	547.2	613.3	743.0	604.6	534.2
32.5°	420.2	469.6	580.5	462.2	411.2
35°	323.5	352.8	422.0	353.8	317.6
37.5°	251.5	266.3	283.9	261.1	244.1
40°	197.4	198.0	182.9	195.0	189.7
42.5°	146.4	145.8	112.5	142.1	143.0
45°	87.7	102.3	67.4	99.5	82.8
47.5°	41.7	57.8	40.5	54.7	38.6
50°	20.1	27.8	24.4	26.0	18.8
52.5°	13.6	14.2	13.9	13.6	13.0
55°	9.9	9.9	9.0	9.6	9.6
57.5°	7.4	7.4	6.5	7.1	7.1
60°	5.9	5.6	4.9	5.6	5.6
62.5°	4.3	4.3	3.7	4.3	4.3
65°	3.4	3.4	3.1	3.4	3.4
67.5°	2.8	2.8	2.2	2.8	2.5
70°	2.2	2.2	1.9	2.2	2.2
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.2	1.2	1.2	1.2	1.2
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.9	0.9	0.9
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.3	0.6	0.6	0.6	0.6
87.5°	0.3	0.3	0.6	0.6	0.6
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)