

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: **LD4C60D010 EX4C609040 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: LD4C60D010 EX4C609040 4LCSQWH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

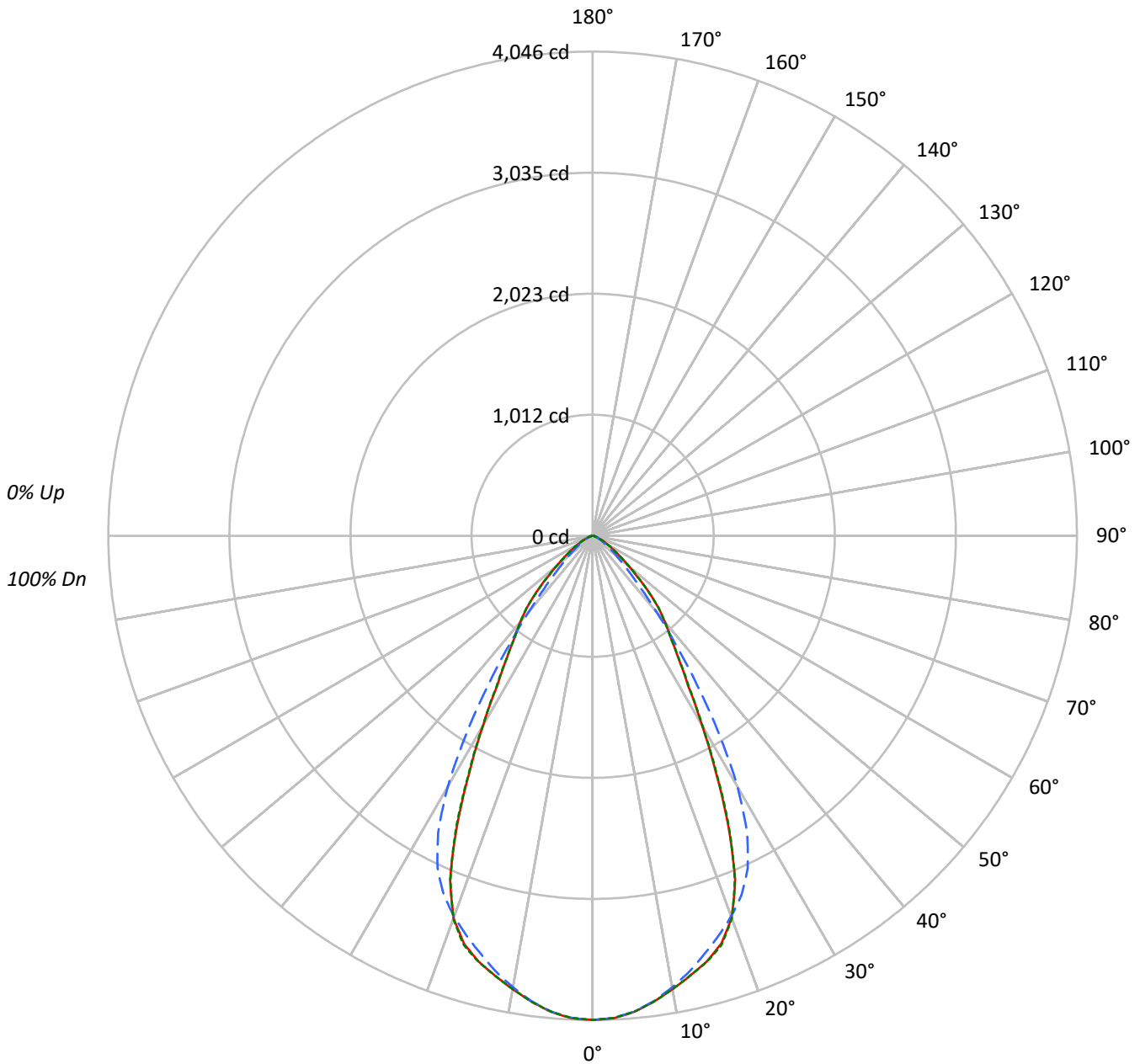
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4282.0 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): 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																			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77																			
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71																			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66																			
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61																			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56																			
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	390365	390365	390365
5°	386791	386539	386665
10°	376890	375381	376890
15°	367815	361182	368194
20°	348737	347422	349394
25°	286057	326396	287558
30°	203980	269660	204270
35°	147121	178689	147581
40°	117959	103814	117959
45°	90006	60586	89310
50°	59369	38683	59173
55°	39919	25974	39499
60°	26843	17735	27075
65°	18356	12534	18059
70°	12244	8999	12244
75°	8090	6673	8090
80°	5668	4945	5668
85°	4207	4207	4207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.1	8.8
10°-20°	1025.5	23.9
20°-30°	1282.0	29.9
30°-40°	862.4	20.1
40°-50°	455.4	10.6
50°-60°	185.1	4.3
60°-70°	68.6	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°	2683.6	62.7
0°-40°	3546.0	82.8
0°-60°	4186.4	97.8
0°-90°	4282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4046	4046	4046	4046	4046	
5°	3993	3990	3991	3991	3992	376
15°	3682	3652	3616	3650	3686	1032
25°	2687	2838	3066	2843	2701	1209
35°	1249	1312	1517	1314	1253	804
45°	660	626	444	624	654	506
55°	237	199	154	199	235	220
65°	80	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°	4045.7	4045.7	4045.7	4045.7	4045.7
2.5°	4035.5	4032.9	4031.7	4031.7	4032.9
5°	3993.4	3989.5	3990.8	3990.8	3992.1
7.5°	3925.8	3924.5	3920.7	3925.8	3925.8
10°	3846.7	3840.3	3831.3	3841.6	3846.7
12.5°	3765.0	3745.9	3730.6	3745.9	3765.0
15°	3682.1	3651.5	3615.7	3650.2	3685.9
17.5°	3573.6	3543.0	3503.5	3549.4	3583.8
20°	3396.3	3398.8	3383.5	3396.3	3402.7
22.5°	3111.8	3169.2	3249.6	3170.5	3102.8
25°	2686.9	2837.5	3065.8	2842.6	2701.0
27.5°	2231.4	2422.8	2796.6	2434.3	2245.5
30°	1830.8	2000.5	2420.3	2012.0	1833.4
32.5°	1482.5	1608.8	1967.3	1624.1	1499.1
35°	1249.0	1311.6	1517.0	1314.1	1252.9
37.5°	1070.4	1070.4	1126.6	1075.5	1065.3
40°	936.5	895.6	824.2	894.4	936.5
42.5°	811.4	750.2	598.4	747.6	814.0
45°	659.6	626.4	444.0	623.9	654.5
47.5°	506.5	483.5	334.3	481.0	510.3
50°	395.5	359.8	257.7	357.2	394.2
52.5°	303.6	265.4	199.0	265.4	301.1
55°	237.3	199.0	154.4	199.0	234.8
57.5°	182.4	151.8	117.4	149.3	181.2
60°	139.1	113.5	91.9	113.5	140.3
62.5°	105.9	86.8	70.2	85.5	104.6
65°	80.4	65.1	54.9	65.1	79.1
67.5°	58.7	48.5	42.1	48.5	60.0
70°	43.4	37.0	31.9	35.7	43.4
72.5°	31.9	26.8	24.2	26.8	31.9
75°	21.7	19.1	17.9	19.1	21.7
77.5°	15.3	14.0	12.8	14.0	15.3
80°	10.2	8.9	8.9	10.2	10.2
82.5°	6.4	6.4	6.4	6.4	6.4
85°	3.8	3.8	3.8	3.8	3.8
87.5°	2.6	2.6	2.6	2.6	2.6
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)