

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: **LD4C30D010 EX4C309035 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: LD4C30D010 EX4C309035 4LCSQWH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

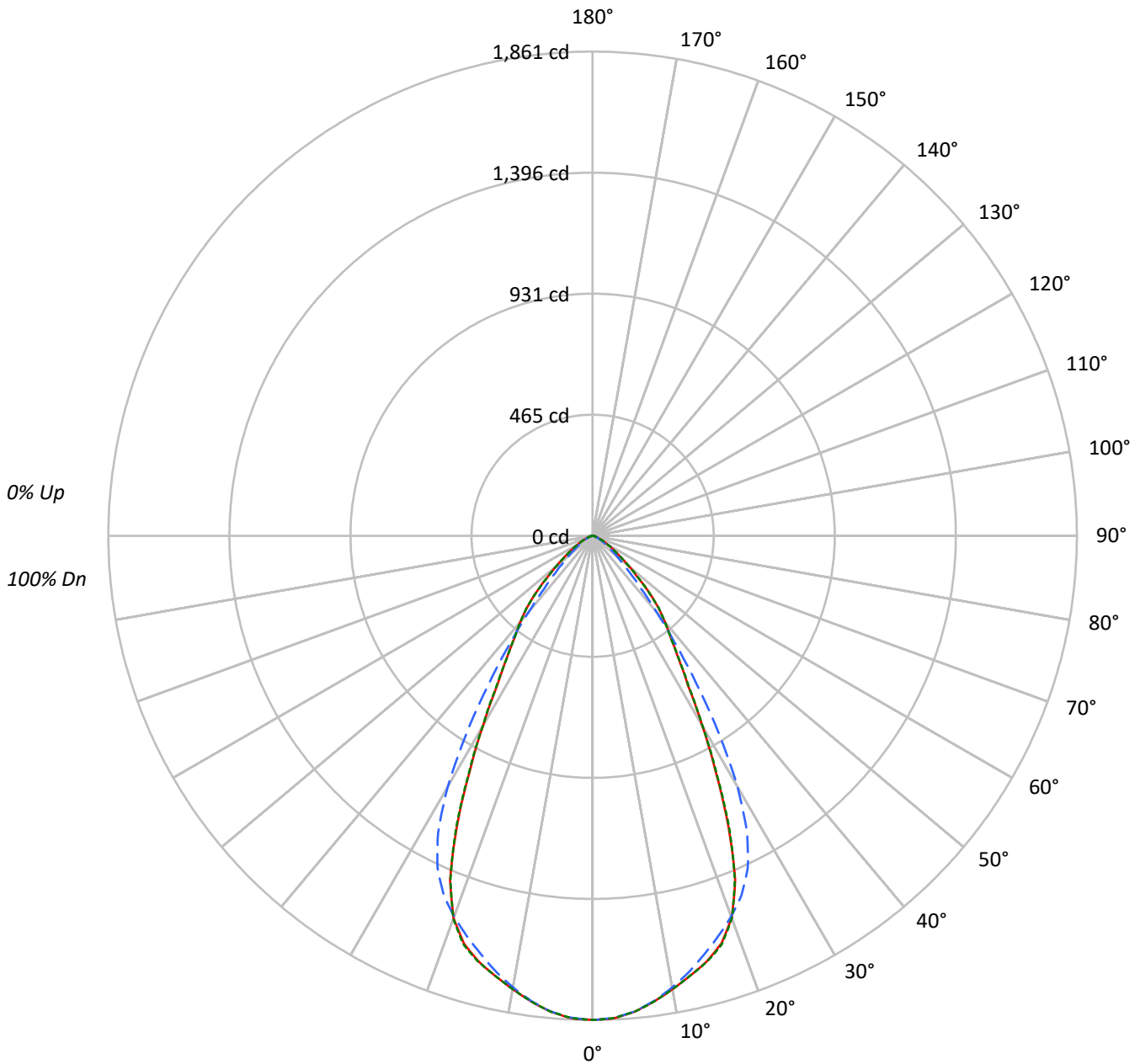
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1970.0 lumens
Efficiency: N/A
Efficacy: 62.3 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): 31.6
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°	179595	179595	179595
5°	177947	177830	177888
10°	173391	172705	173391
15°	169218	166171	169398
20°	160440	159834	160737
25°	131610	150167	132292
30°	93846	124061	93979
35°	67683	82206	67895
40°	54262	47763	54262
45°	41414	27878	41087
50°	27320	17803	27230
55°	18370	11944	18168
60°	12351	8163	12466
65°	8448	5753	8311
70°	5642	4147	5642
75°	3728	3057	3728
80°	2612	2278	2612
85°	1993	1993	1993



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	8.8
10°-20°	471.8	23.9
20°-30°	589.8	29.9
30°-40°	396.8	20.1
40°-50°	209.5	10.6
50°-60°	85.2	4.3
60°-70°	31.6	1.6
70°-80°	10.2	0.5
80°-90°	2.2	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°	1234.6	62.7
0°-40°	1631.4	82.8
0°-60°	1926.0	97.8
0°-90°	1970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1970.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1861	1861	1861	1861	1861	
5°	1837	1836	1836	1836	1837	173
15°	1694	1680	1664	1679	1696	475
25°	1236	1305	1410	1308	1243	556
35°	575	603	698	605	576	370
45°	304	288	204	287	301	233
55°	109	92	71	92	108	101
65°	37	30	25	30	36	38
75°	10	9	8	9	10	12
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1861.3	1861.3	1861.3	1861.3	1861.3
2.5°	1856.6	1855.4	1854.8	1854.8	1855.4
5°	1837.2	1835.5	1836.0	1836.0	1836.6
7.5°	1806.1	1805.5	1803.8	1806.1	1806.1
10°	1769.7	1766.8	1762.7	1767.4	1769.7
12.5°	1732.1	1723.3	1716.3	1723.3	1732.1
15°	1694.0	1679.9	1663.5	1679.3	1695.8
17.5°	1644.1	1630.0	1611.8	1632.9	1648.8
20°	1562.5	1563.7	1556.6	1562.5	1565.4
22.5°	1431.6	1458.0	1495.0	1458.6	1427.5
25°	1236.2	1305.4	1410.5	1307.8	1242.6
27.5°	1026.6	1114.7	1286.6	1119.9	1033.1
30°	842.3	920.4	1113.5	925.7	843.5
32.5°	682.1	740.2	905.1	747.2	689.7
35°	574.6	603.4	697.9	604.6	576.4
37.5°	492.5	492.5	518.3	494.8	490.1
40°	430.8	412.1	379.2	411.5	430.8
42.5°	373.3	345.1	275.3	344.0	374.5
45°	303.5	288.2	204.3	287.0	301.1
47.5°	233.0	222.5	153.8	221.3	234.8
50°	182.0	165.5	118.6	164.4	181.4
52.5°	139.7	122.1	91.6	122.1	138.5
55°	109.2	91.6	71.0	91.6	108.0
57.5°	83.9	69.8	54.0	68.7	83.3
60°	64.0	52.2	42.3	52.2	64.6
62.5°	48.7	39.9	32.3	39.3	48.1
65°	37.0	29.9	25.2	29.9	36.4
67.5°	27.0	22.3	19.4	22.3	27.6
70°	20.0	17.0	14.7	16.4	20.0
72.5°	14.7	12.3	11.2	12.3	14.7
75°	10.0	8.8	8.2	8.8	10.0
77.5°	7.0	6.5	5.9	6.5	7.0
80°	4.7	4.1	4.1	4.7	4.7
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.8	1.8	1.8	1.8	1.8
87.5°	1.2	1.2	1.2	1.2	1.2
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)