

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 EX4C609035 4LCSQWH**

Issue Date: 2/18/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



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 EX4C609035 4LCSQWH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

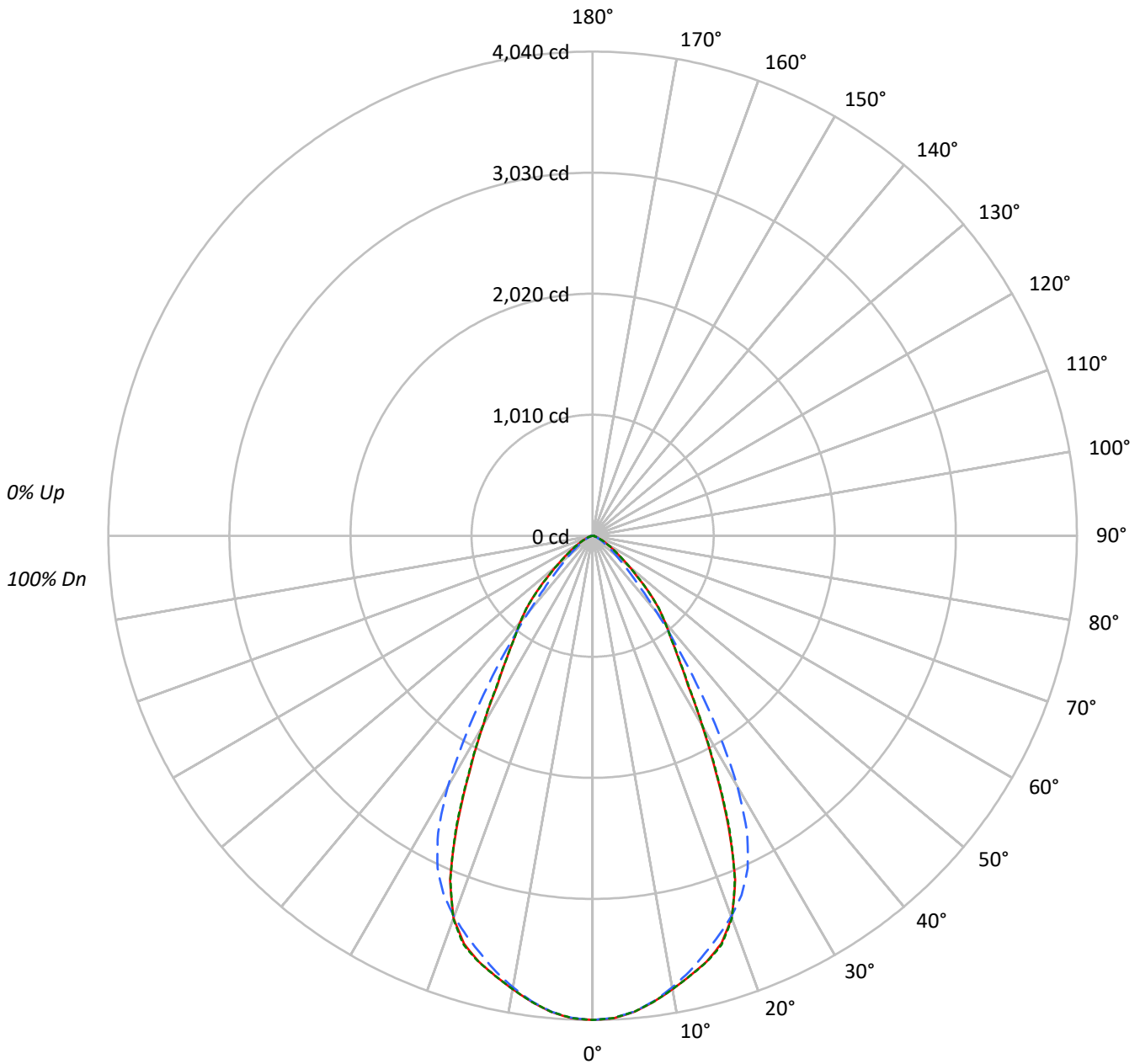
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4276.0 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): 72
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									
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°	389815	389815	389815
5°	386248	385996	386122
10°	376361	374861	376361
15°	367295	360682	367675
20°	348244	346940	348901
25°	285663	325939	287154
30°	203701	269281	203980
35°	146921	178430	147369
40°	117795	103663	117795
45°	89884	60505	89188
50°	59293	38638	59098
55°	39869	25940	39432
60°	26805	17696	27036
65°	18333	12512	18037
70°	12216	8999	12216
75°	8090	6636	8090
80°	5668	4945	5668
85°	4207	4207	4207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.6	8.8
10°-20°	1024.0	23.9
20°-30°	1280.2	29.9
30°-40°	861.2	20.1
40°-50°	454.7	10.6
50°-60°	184.8	4.3
60°-70°	68.5	1.6
70°-80°	22.1	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°	2679.8	62.7
0°-40°	3541.0	82.8
0°-60°	4180.6	97.8
0°-90°	4276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4040	4040	4040	4040	4040	
5°	3988	3984	3985	3985	3986	376
15°	3677	3646	3611	3645	3681	1030
25°	2683	2834	3062	2839	2697	1208
35°	1247	1310	1515	1312	1251	803
45°	659	626	443	623	654	505
55°	237	199	154	199	234	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°	4040.0	4040.0	4040.0	4040.0	4040.0
2.5°	4029.8	4027.3	4026.0	4026.0	4027.3
5°	3987.8	3984.0	3985.2	3985.2	3986.5
7.5°	3920.3	3919.0	3915.2	3920.3	3920.3
10°	3841.3	3834.9	3826.0	3836.2	3841.3
12.5°	3759.7	3740.6	3725.3	3740.6	3759.7
15°	3676.9	3646.3	3610.7	3645.1	3680.7
17.5°	3568.6	3538.0	3498.5	3544.4	3578.8
20°	3391.5	3394.1	3378.8	3391.5	3397.9
22.5°	3107.4	3164.7	3245.0	3166.0	3098.5
25°	2683.2	2833.5	3061.5	2838.6	2697.2
27.5°	2228.3	2419.4	2792.7	2430.9	2242.3
30°	1828.3	1997.7	2416.9	2009.2	1830.8
32.5°	1480.4	1606.6	1964.6	1621.9	1497.0
35°	1247.3	1309.7	1514.8	1312.3	1251.1
37.5°	1068.9	1068.9	1125.0	1074.0	1063.8
40°	935.2	894.4	823.0	893.1	935.2
42.5°	810.3	749.1	597.5	746.6	812.8
45°	658.7	625.6	443.4	623.0	653.6
47.5°	505.8	482.9	333.8	480.3	509.6
50°	395.0	359.3	257.4	356.7	393.7
52.5°	303.2	265.0	198.8	265.0	300.7
55°	237.0	198.8	154.2	198.8	234.4
57.5°	182.2	151.6	117.2	149.1	180.9
60°	138.9	113.4	91.7	113.4	140.1
62.5°	105.7	86.6	70.1	85.4	104.5
65°	80.3	65.0	54.8	65.0	79.0
67.5°	58.6	48.4	42.0	48.4	59.9
70°	43.3	36.9	31.9	35.7	43.3
72.5°	31.9	26.8	24.2	26.8	31.9
75°	21.7	19.1	17.8	19.1	21.7
77.5°	15.3	14.0	12.7	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°	2.5	2.5	2.5	2.5	2.5
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)