

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: **LD4C75D010 EX4C759030 4LCSQWLI**

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 (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C75D010 EX4C759030 4LCSQWLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

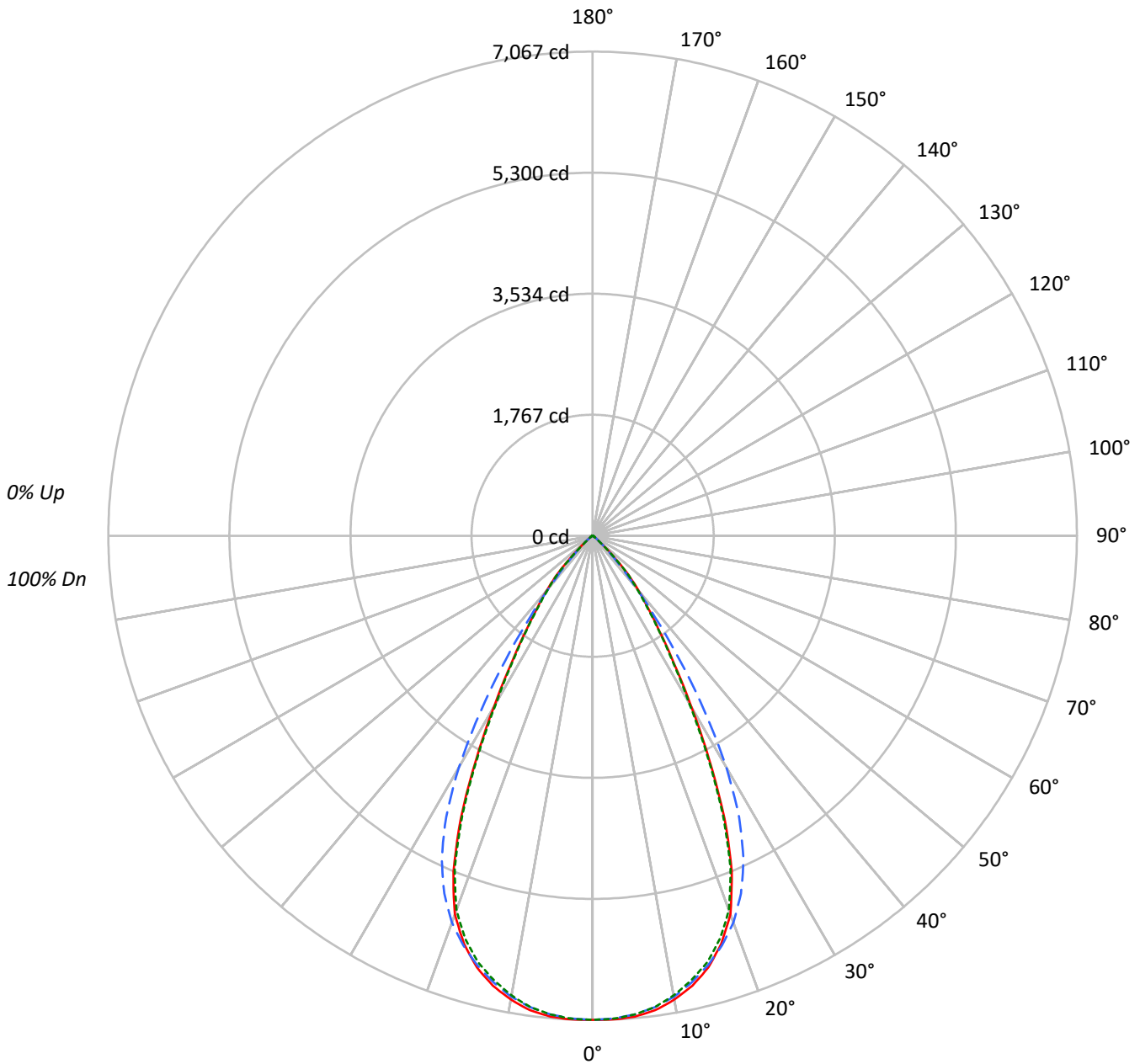
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6325.0 lumens
Efficiency: N/A
Efficacy: 77.6 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): 81.5
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	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°	681704	681704	681704
5°	682429	679281	679281
10°	673457	669480	667412
15°	651600	648523	644148
20°	603468	616632	596794
25°	485208	554676	478821
30°	320254	434900	312666
35°	200163	261155	196535
40°	130630	121020	125529
45°	62893	48278	59358
50°	15837	19244	14861
55°	8731	7923	8462
60°	5944	5017	5635
65°	4087	3699	4087
70°	3216	2737	3216
75°	2423	2423	2423
80°	1778	2723	2723
85°	1771	3543	3543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.4	10.5
10°-20°	1814.5	28.7
20°-30°	2162.4	34.2
30°-40°	1224.5	19.4
40°-50°	378.5	6.0
50°-60°	52.6	0.8
60°-70°	17.9	0.3
70°-80°	7.1	0.1
80°-90°	3.0	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°	4641.3	73.4
0°-40°	5865.8	92.7
0°-60°	6296.9	99.6
0°-90°	6325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7065	7065	7065	7065	7065	
5°	7046	7029	7013	7008	7013	667
15°	6523	6512	6492	6466	6448	1819
25°	4558	4824	5210	4832	4498	2032
35°	1699	1854	2217	1858	1668	1106
45°	461	537	354	523	435	381
55°	52	52	47	50	50	51
65°	18	18	16	18	18	19
75°	6	6	6	6	6	7
85°	2	3	3	3	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7065.1	7065.1	7065.1	7065.1	7065.1
2.5°	7066.8	7055.4	7052.2	7048.9	7055.4
5°	7045.7	7029.4	7013.2	7008.3	7013.2
7.5°	6985.6	6969.4	6941.8	6935.3	6940.2
10°	6873.6	6859.0	6833.0	6818.4	6811.9
12.5°	6725.9	6701.6	6677.2	6661.0	6644.8
15°	6523.0	6511.7	6492.2	6466.2	6448.4
17.5°	6242.3	6258.5	6269.8	6217.9	6170.8
20°	5877.1	5937.1	6005.3	5899.8	5812.1
22.5°	5307.4	5479.4	5653.1	5453.5	5258.7
25°	4557.5	4823.7	5210.0	4831.8	4497.5
27.5°	3682.7	4020.3	4628.9	4021.9	3634.0
30°	2874.4	3221.8	3903.4	3176.3	2806.3
32.5°	2207.3	2467.0	3049.7	2428.1	2160.3
35°	1699.3	1853.5	2217.1	1858.4	1668.5
37.5°	1321.2	1399.1	1491.6	1371.5	1282.2
40°	1037.1	1040.4	960.8	1024.1	996.6
42.5°	769.3	766.1	590.8	746.6	751.5
45°	460.9	537.2	353.8	522.6	435.0
47.5°	219.1	303.5	212.6	287.3	202.9
50°	105.5	146.1	128.2	136.3	99.0
52.5°	71.4	74.7	73.0	71.4	68.2
55°	51.9	51.9	47.1	50.3	50.3
57.5°	39.0	39.0	34.1	37.3	37.3
60°	30.8	29.2	26.0	29.2	29.2
62.5°	22.7	22.7	19.5	22.7	22.7
65°	17.9	17.9	16.2	17.9	17.9
67.5°	14.6	14.6	11.4	14.6	13.0
70°	11.4	11.4	9.7	11.4	11.4
72.5°	8.1	8.1	8.1	8.1	8.1
75°	6.5	6.5	6.5	6.5	6.5
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.2	3.2	4.9	4.9	4.9
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	3.2	3.2	3.2	3.2
87.5°	1.6	1.6	3.2	3.2	3.2
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)