

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 EX4C759035 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 EX4C759035 4LCSQWLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

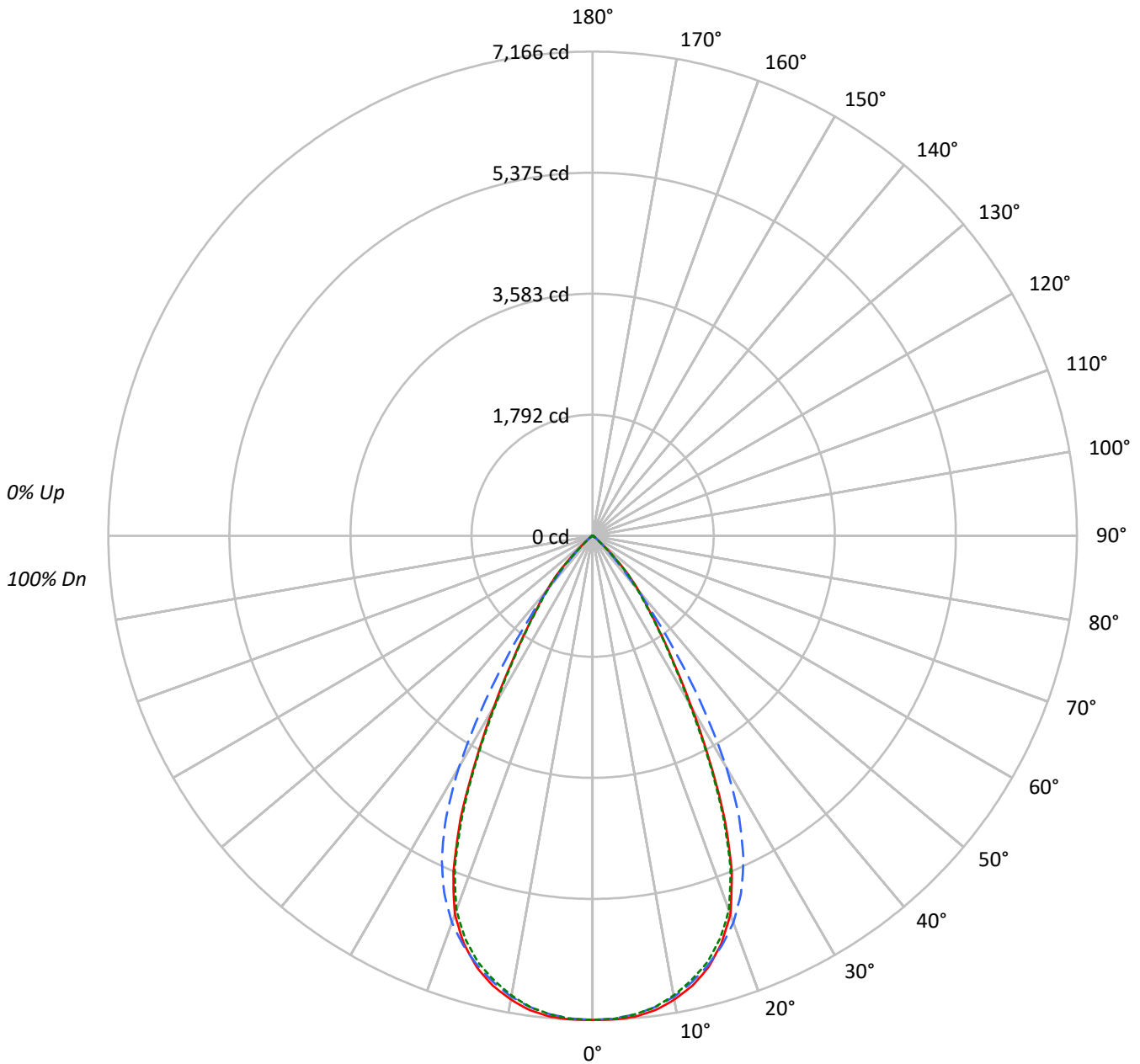
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6414.0 lumens
Efficiency: N/A
Efficacy: 78.7 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 (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

TEST NUMBER: P#
CATALOG NUMBER: LD4C75D010 EX4C759035 4LCSQWLI

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°	691304	691304	691304
5°	692027	688841	688841
10°	682932	678905	676808
15°	660770	657653	653208
20°	611960	625309	605194
25°	492043	562480	485560
30°	324766	441028	317056
35°	202978	264830	199303
40°	132469	122733	127292
45°	63779	48960	60191
50°	16062	19514	15071
55°	8865	8024	8579
60°	6040	5075	5712
65°	4132	3767	4132
70°	3244	2793	3244
75°	2461	2461	2461
80°	1834	2723	2723
85°	1771	3653	3653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.8	10.5
10°-20°	1840.0	28.7
20°-30°	2192.8	34.2
30°-40°	1241.7	19.4
40°-50°	383.9	6.0
50°-60°	53.3	0.8
60°-70°	18.2	0.3
70°-80°	7.2	0.1
80°-90°	3.1	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°	4706.6	73.4
0°-40°	5948.3	92.7
0°-60°	6385.5	99.6
0°-90°	6414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7165	7165	7165	7165	7165	
5°	7145	7128	7112	7107	7112	677
15°	6615	6603	6584	6557	6539	1844
25°	4622	4892	5283	4900	4561	2061
35°	1723	1880	2248	1884	1692	1122
45°	467	545	359	530	441	386
55°	53	53	48	51	51	52
65°	18	18	16	18	18	19
75°	7	7	7	7	7	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°	7164.6	7164.6	7164.6	7164.6	7164.6
2.5°	7166.2	7154.7	7151.4	7148.1	7154.7
5°	7144.8	7128.3	7111.9	7106.9	7111.9
7.5°	7083.9	7067.4	7039.5	7032.9	7037.8
10°	6970.3	6955.5	6929.2	6914.4	6907.8
12.5°	6820.6	6795.9	6771.2	6754.7	6738.3
15°	6614.8	6603.3	6583.6	6557.2	6539.1
17.5°	6330.1	6346.5	6358.1	6305.4	6257.7
20°	5959.8	6020.7	6089.8	5982.8	5893.9
22.5°	5382.1	5556.5	5732.6	5530.2	5332.7
25°	4621.7	4891.6	5283.3	4899.8	4560.8
27.5°	3734.5	4076.9	4694.1	4078.5	3685.1
30°	2914.9	3267.1	3958.4	3221.0	2845.7
32.5°	2238.4	2501.8	3092.6	2462.3	2190.7
35°	1723.2	1879.6	2248.3	1884.5	1692.0
37.5°	1339.8	1418.8	1512.6	1390.8	1300.3
40°	1051.7	1055.0	974.4	1038.6	1010.6
42.5°	780.2	776.9	599.1	757.1	762.0
45°	467.4	544.8	358.8	530.0	441.1
47.5°	222.2	307.8	215.6	291.3	205.7
50°	107.0	148.1	130.0	138.3	100.4
52.5°	72.4	75.7	74.1	72.4	69.1
55°	52.7	52.7	47.7	51.0	51.0
57.5°	39.5	39.5	34.6	37.9	37.9
60°	31.3	29.6	26.3	29.6	29.6
62.5°	23.0	23.0	19.8	23.0	23.0
65°	18.1	18.1	16.5	18.1	18.1
67.5°	14.8	14.8	11.5	14.8	13.2
70°	11.5	11.5	9.9	11.5	11.5
72.5°	8.2	8.2	8.2	8.2	8.2
75°	6.6	6.6	6.6	6.6	6.6
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.3	3.3	4.9	4.9	4.9
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.6	3.3	3.3	3.3	3.3
87.5°	1.6	1.6	3.3	3.3	3.3
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)