

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 EX4C759040 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 EX4C759040 4LCSQWLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

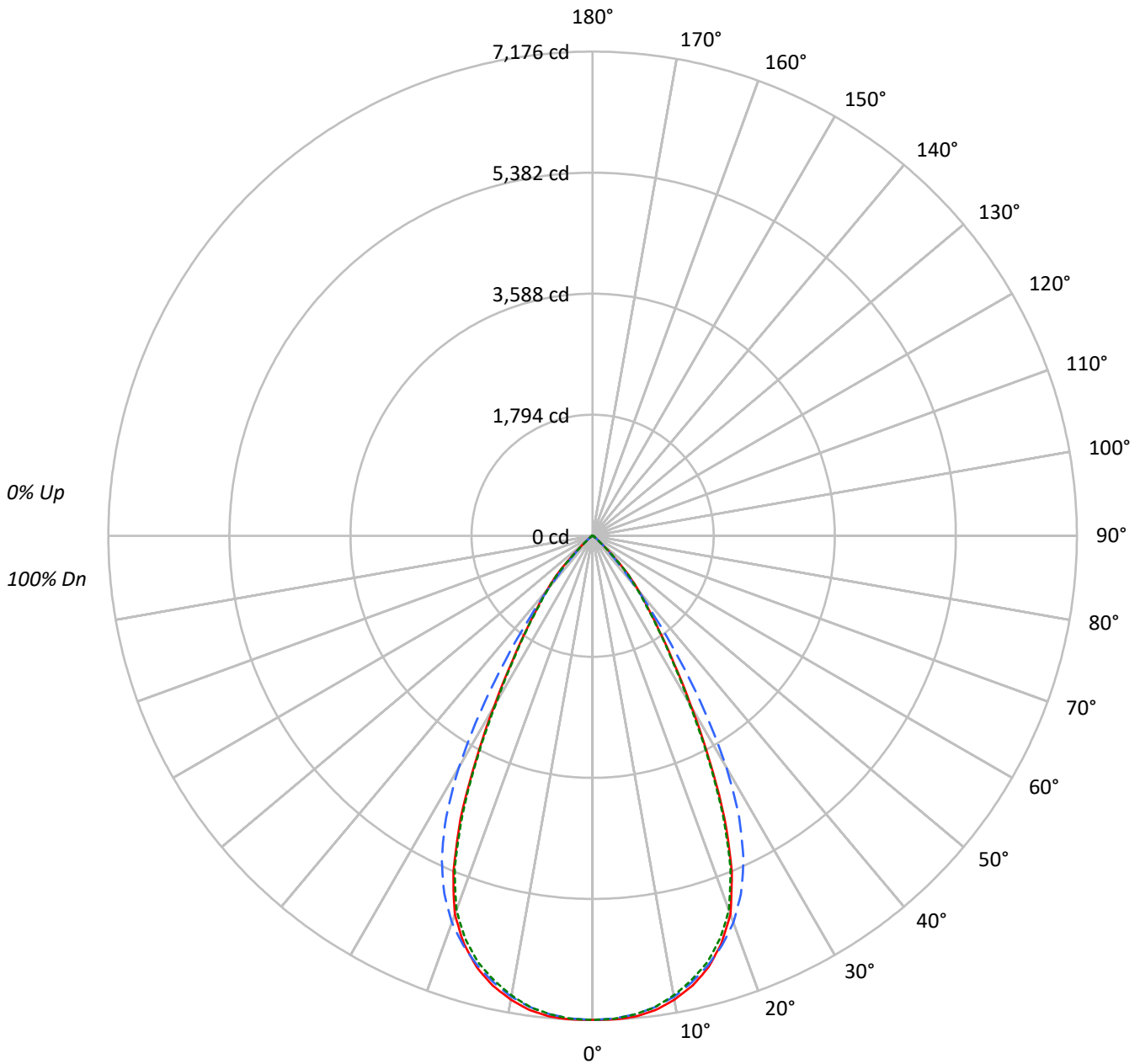
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6422.9 lumens
Efficiency: N/A
Efficacy: 78.8 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

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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°	692269	692269	692269
5°	692996	689809	689809
10°	683892	679855	677759
15°	661699	658572	654127
20°	612812	626182	606046
25°	492725	563268	486241
30°	325223	441641	317502
35°	203272	265195	199574
40°	132658	122897	127469
45°	63875	49029	60273
50°	16077	19544	15086
55°	8865	8041	8596
60°	6040	5095	5731
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°	674.7	10.5
10°-20°	1842.6	28.7
20°-30°	2195.9	34.2
30°-40°	1243.4	19.4
40°-50°	384.4	6.0
50°-60°	53.4	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°	4713.2	73.4
0°-40°	5956.6	92.7
0°-60°	6394.5	99.6
0°-90°	6422.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6422.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7175	7175	7175	7175	7175	
5°	7155	7138	7122	7117	7122	677
15°	6624	6613	6593	6566	6548	1847
25°	4628	4898	5291	4907	4567	2064
35°	1726	1882	2251	1887	1694	1123
45°	468	546	359	531	442	387
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°	7174.6	7174.6	7174.6	7174.6	7174.6
2.5°	7176.3	7164.7	7161.4	7158.1	7164.7
5°	7154.8	7138.3	7121.9	7116.9	7121.9
7.5°	7093.8	7077.4	7049.3	7042.8	7047.7
10°	6980.1	6965.3	6938.9	6924.1	6917.5
12.5°	6830.1	6805.4	6780.7	6764.2	6747.7
15°	6624.1	6612.6	6592.8	6566.4	6548.3
17.5°	6339.0	6355.5	6367.0	6314.2	6266.5
20°	5968.1	6029.1	6098.3	5991.2	5902.2
22.5°	5389.6	5564.3	5740.7	5537.9	5340.2
25°	4628.1	4898.4	5290.7	4906.7	4567.2
27.5°	3739.8	4082.6	4700.7	4084.2	3690.3
30°	2919.0	3271.7	3963.9	3225.5	2849.7
32.5°	2241.6	2505.3	3097.0	2465.7	2193.8
35°	1725.7	1882.2	2251.4	1887.2	1694.3
37.5°	1341.6	1420.7	1514.7	1392.7	1302.1
40°	1053.2	1056.5	975.7	1040.0	1012.0
42.5°	781.2	777.9	599.9	758.2	763.1
45°	468.1	545.6	359.3	530.7	441.7
47.5°	222.5	308.2	215.9	291.7	206.0
50°	107.1	148.3	130.2	138.4	100.5
52.5°	72.5	75.8	74.2	72.5	69.2
55°	52.7	52.7	47.8	51.1	51.1
57.5°	39.6	39.6	34.6	37.9	37.9
60°	31.3	29.7	26.4	29.7	29.7
62.5°	23.1	23.1	19.8	23.1	23.1
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)