

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: P840500

Luminaire Tested: **LD6C08D010 EU6089040 6LCSQWLI**

Issue Date: 2/16/2022

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: P840500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-23)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08D010 EU6089040 6LCSQWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

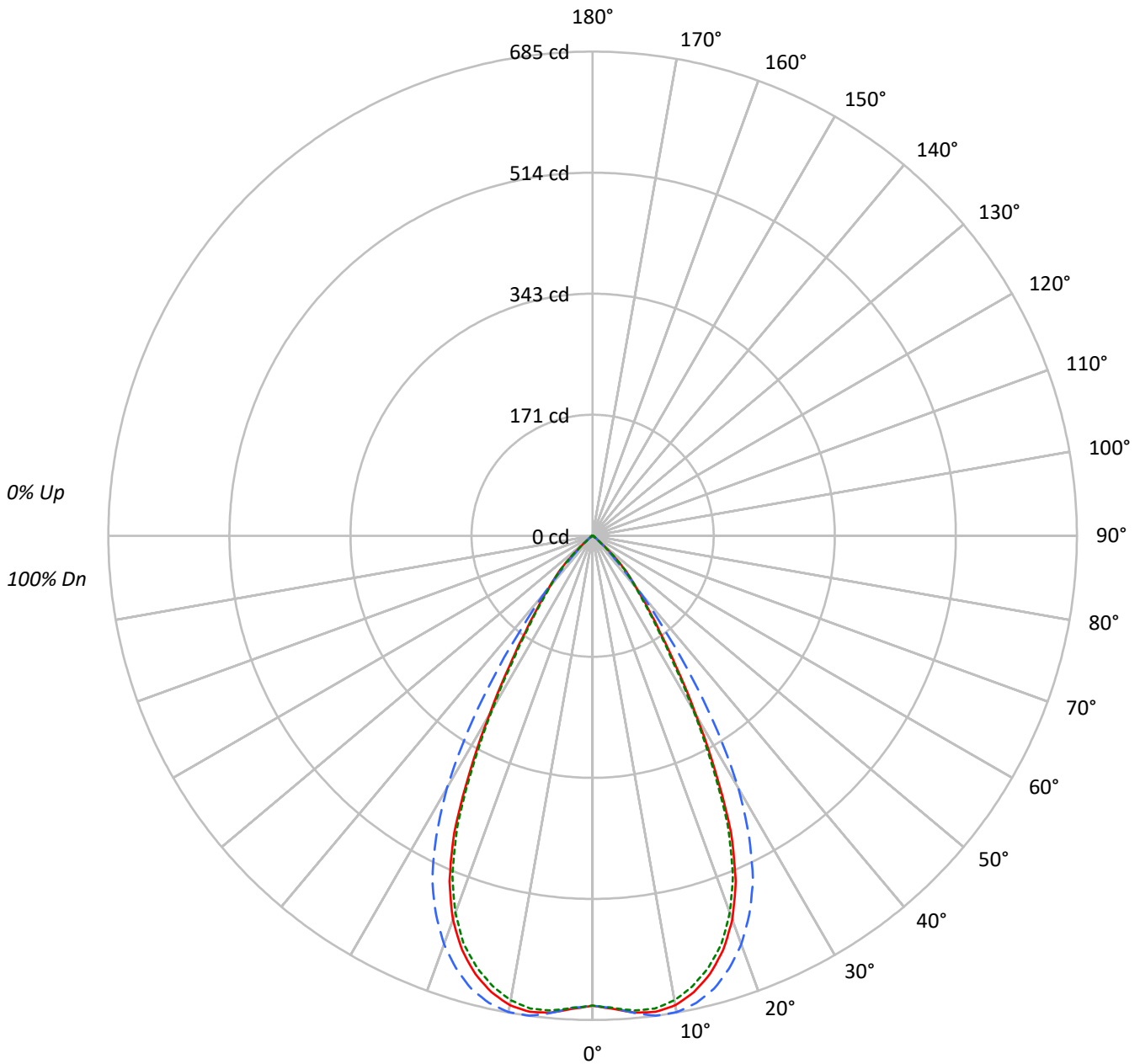
Lumens per Lamp: N/A
Luminaire Lumens: 641.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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	99	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28628	28628	28628
5°	29269	29290	29139
10°	29485	29922	29174
15°	28603	29575	28189
20°	26470	28169	25993
25°	22000	25492	21473
30°	14507	20468	14070
35°	8725	12883	8326
40°	5424	5828	5205
45°	3166	2107	3051
50°	744	730	717
55°	353	345	353
60°	224	215	224
65°	163	143	163
70°	113	113	113
75°	67	83	67
80°	99	99	99
85°	99	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	10.1
10°-20°	182.1	28.4
20°-30°	222.1	34.6
30°-40°	126.0	19.7
40°-50°	38.6	6.0
50°-60°	5.2	0.8
60°-70°	1.6	0.2
70°-80°	0.6	0.1
80°-90°	0.3	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°	468.8	73.1
0°-40°	594.8	92.8
0°-60°	638.6	99.6
0°-90°	641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	677	677	678	676	674	65
15°	642	656	664	651	632	179
25°	463	503	537	499	452	205
35°	166	190	245	184	158	108
45°	52	54	35	52	50	39
55°	5	5	5	5	5	5
65°	2	2	1	2	2	2
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.9	664.9	664.9	664.9	664.9
2.5°	669.8	669.3	668.6	668.4	668.6
5°	677.2	677.4	677.7	675.8	674.2
7.5°	679.5	682.6	684.8	679.7	674.6
10°	674.4	680.9	684.4	676.5	667.3
12.5°	661.5	672.3	677.0	666.8	652.8
15°	641.7	656.1	663.5	651.0	632.4
17.5°	614.3	633.8	642.0	628.1	605.8
20°	577.7	600.9	614.8	596.7	567.3
22.5°	529.0	560.1	579.4	556.2	518.4
25°	463.1	502.8	536.6	498.6	452.0
27.5°	376.2	428.3	479.4	422.6	366.2
30°	291.8	338.9	411.7	334.9	283.0
32.5°	219.4	257.6	330.2	253.0	210.3
35°	166.0	189.7	245.1	184.1	158.4
37.5°	126.2	139.4	164.2	135.4	119.7
40°	96.5	102.3	103.7	99.3	92.6
42.5°	75.4	75.4	60.7	73.1	73.1
45°	52.0	54.5	34.6	52.4	50.1
47.5°	26.2	35.0	19.0	33.8	24.4
50°	11.1	17.2	10.9	16.7	10.7
52.5°	6.7	7.6	6.7	7.6	6.3
55°	4.7	4.9	4.6	4.7	4.7
57.5°	3.5	3.5	3.3	3.5	3.5
60°	2.6	2.6	2.5	2.6	2.6
62.5°	1.9	2.1	1.9	2.1	1.9
65°	1.6	1.6	1.4	1.6	1.6
67.5°	1.2	1.2	1.1	1.2	1.2
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.4	0.5	0.5	0.5	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.2	0.4	0.4	0.4	0.2
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.2
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)