

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: P840492

Luminaire Tested: **LD6C08D010 EU6089030 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: P840492
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 EU6089030 6LCSQWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

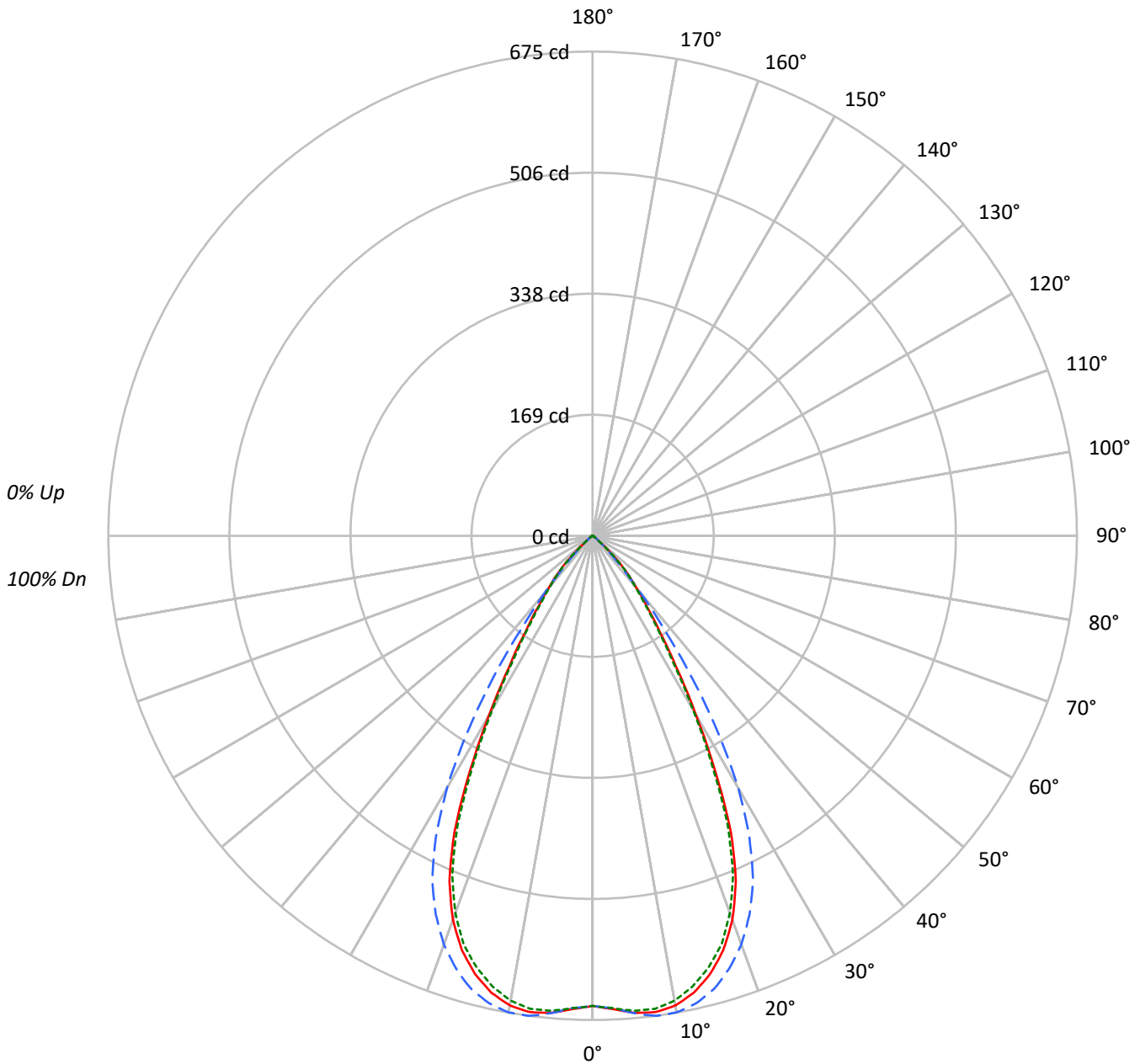
Lumens per Lamp: N/A
Luminaire Lumens: 632.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	100	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	87	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	53	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28227	28227	28227
5°	28858	28880	28728
10°	29069	29502	28768
15°	28202	29161	27792
20°	26098	27775	25631
25°	21692	25131	21169
30°	14303	20185	13876
35°	8599	12699	8210
40°	5351	5750	5132
45°	3124	2076	3008
50°	730	717	710
55°	353	338	353
60°	224	207	224
65°	163	143	163
70°	113	113	113
75°	50	83	50
80°	74	74	74
85°	99	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	10.1
10°-20°	179.5	28.4
20°-30°	218.9	34.6
30°-40°	124.2	19.7
40°-50°	38.1	6.0
50°-60°	5.1	0.8
60°-70°	1.6	0.3
70°-80°	0.5	0.1
80°-90°	0.2	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°	462.2	73.1
0°-40°	586.4	92.8
0°-60°	629.7	99.6
0°-90°	632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	632.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	668	668	668	666	665	64
15°	633	647	654	642	624	176
25°	457	496	529	492	446	202
35°	164	187	242	182	156	107
45°	51	54	34	52	49	39
55°	5	5	4	5	5	5
65°	2	2	1	2	2	2
75°	0	0	0	0	0	0
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°	655.6	655.6	655.6	655.6	655.6
2.5°	660.4	659.9	659.2	659.0	659.2
5°	667.7	667.9	668.2	666.3	664.7
7.5°	669.9	673.1	675.1	670.1	665.1
10°	664.9	671.3	674.8	667.0	658.0
12.5°	652.3	662.8	667.5	657.5	643.6
15°	632.7	646.9	654.2	641.9	623.5
17.5°	605.6	624.9	633.0	619.3	597.3
20°	569.6	592.5	606.2	588.3	559.4
22.5°	521.6	552.2	571.3	548.4	511.2
25°	456.6	495.7	529.0	491.6	445.6
27.5°	370.9	422.2	472.7	416.7	361.1
30°	287.7	334.2	406.0	330.2	279.1
32.5°	216.3	253.9	325.5	249.4	207.3
35°	163.6	187.0	241.6	181.5	156.2
37.5°	124.5	137.5	161.9	133.5	118.0
40°	95.2	100.9	102.3	97.9	91.3
42.5°	74.4	74.4	59.8	72.1	72.1
45°	51.3	53.7	34.1	51.7	49.4
47.5°	25.8	34.5	18.7	33.3	24.1
50°	10.9	17.0	10.7	16.5	10.6
52.5°	6.6	7.5	6.6	7.5	6.2
55°	4.7	4.9	4.5	4.7	4.7
57.5°	3.5	3.5	3.3	3.5	3.5
60°	2.6	2.6	2.4	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	1.0	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°	0.3	0.5	0.5	0.5	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.2	0.3	0.3	0.3	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)