

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: P840539

Luminaire Tested: **LD6C10D010 EU6109040 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: P840539
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: LD6C10D010 EU6109040 6LCSQWLI
Description: 6 INCH 1000 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

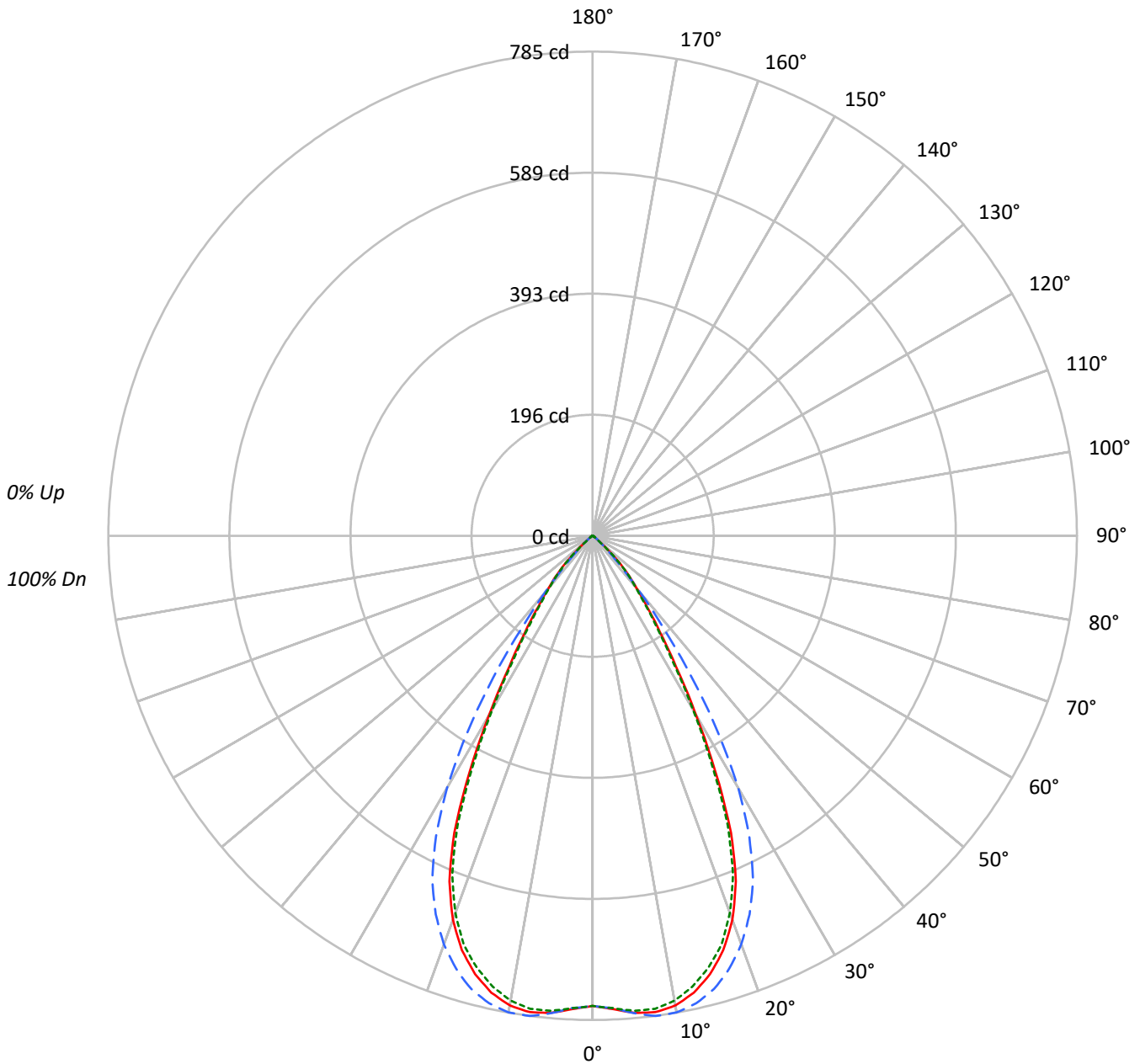
Lumens per Lamp: N/A
Luminaire Lumens: 735.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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°	32826	32826	32826
5°	33560	33586	33413
10°	33809	34311	33454
15°	32798	33912	32321
20°	30350	32298	29805
25°	25226	29226	24623
30°	16635	23471	16138
35°	10002	14770	9545
40°	6222	6683	5969
45°	3635	2417	3501
50°	851	837	824
55°	405	390	405
60°	258	241	258
65°	183	163	183
70°	126	126	126
75°	67	100	67
80°	99	99	99
85°	99	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	10.1
10°-20°	208.8	28.4
20°-30°	254.6	34.6
30°-40°	144.5	19.7
40°-50°	44.3	6.0
50°-60°	6.0	0.8
60°-70°	1.8	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°	537.5	73.1
0°-40°	682.0	92.8
0°-60°	732.3	99.6
0°-90°	735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	776	777	777	775	773	74
15°	736	752	761	746	725	205
25°	531	576	615	572	518	235
35°	190	218	281	211	182	124
45°	60	62	40	60	58	45
55°	5	6	5	5	5	6
65°	2	2	2	2	2	2
75°	0	1	1	1	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°	762.4	762.4	762.4	762.4	762.4
2.5°	768.0	767.4	766.6	766.4	766.6
5°	776.5	776.7	777.1	774.9	773.1
7.5°	779.1	782.8	785.2	779.3	773.5
10°	773.3	780.7	784.8	775.7	765.2
12.5°	758.6	770.9	776.3	764.6	748.5
15°	735.8	752.3	760.8	746.5	725.1
17.5°	704.3	726.7	736.2	720.3	694.7
20°	662.4	689.0	704.9	684.2	650.5
22.5°	606.6	642.2	664.4	637.8	594.5
25°	531.0	576.5	615.2	571.7	518.3
27.5°	431.4	491.1	549.7	484.6	419.9
30°	334.6	388.7	472.1	384.0	324.6
32.5°	251.6	295.3	378.6	290.1	241.1
35°	190.3	217.5	281.0	211.1	181.6
37.5°	144.7	159.9	188.3	155.2	137.3
40°	110.7	117.3	118.9	113.9	106.2
42.5°	86.5	86.5	69.5	83.9	83.9
45°	59.7	62.5	39.7	60.1	57.5
47.5°	30.0	40.1	21.8	38.7	28.0
50°	12.7	19.8	12.5	19.2	12.3
52.5°	7.7	8.7	7.7	8.7	7.3
55°	5.4	5.6	5.2	5.4	5.4
57.5°	4.0	4.0	3.8	4.0	4.0
60°	3.0	3.0	2.8	3.0	3.0
62.5°	2.2	2.4	2.2	2.4	2.2
65°	1.8	1.8	1.6	1.8	1.8
67.5°	1.4	1.4	1.2	1.4	1.4
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.4	0.6	0.6	0.6	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)