

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: P840527

Luminaire Tested: **LD6C10D010 EU6109027 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: P840527
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 EU6109027 6LCSQWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

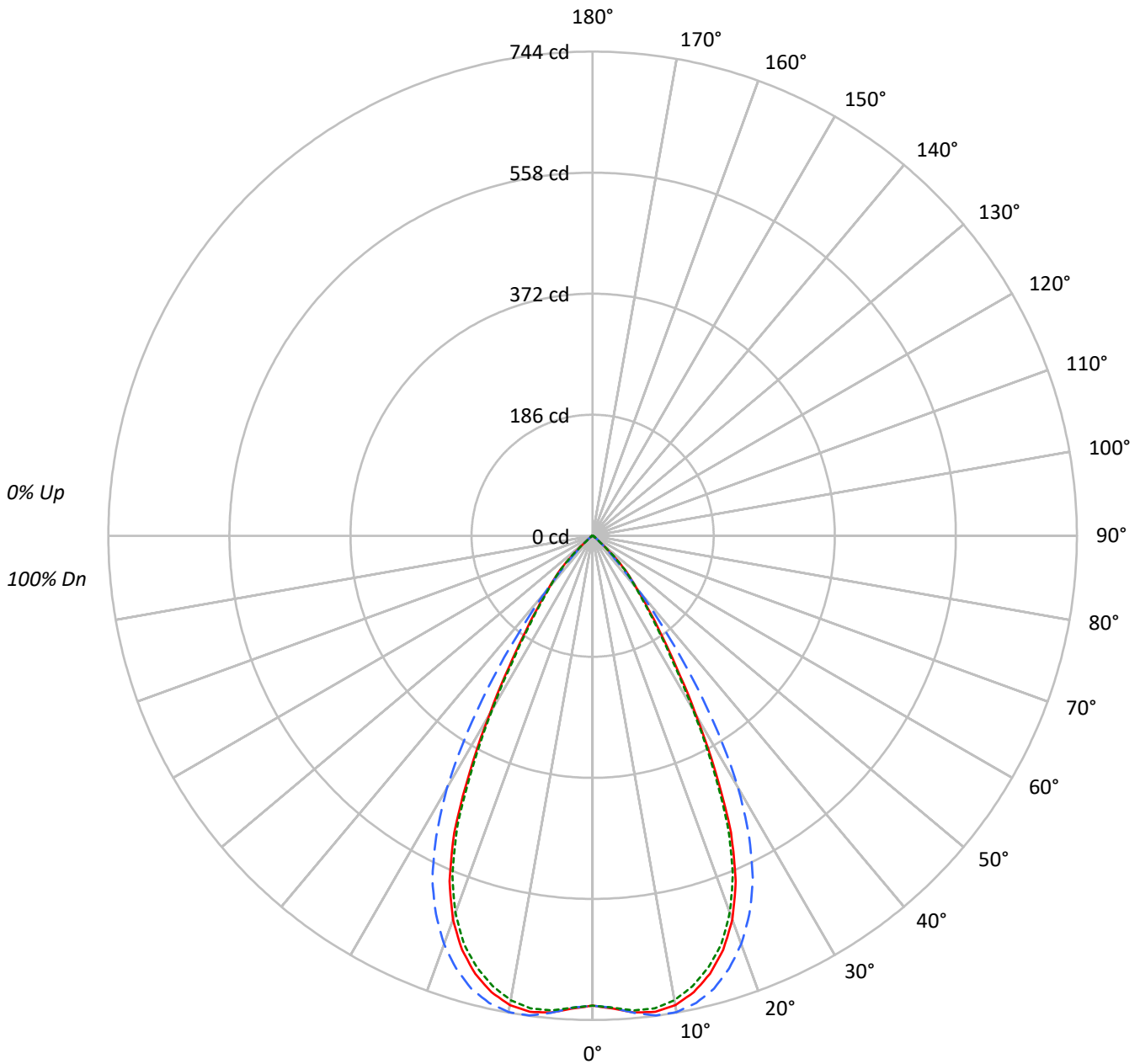
Lumens per Lamp: N/A
Luminaire Lumens: 696.1 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P840527

CATALOG NUMBER: LD6C10D010 EU6109027 6LCSQWLI

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°	31082	31082	31082
5°	31780	31806	31641
10°	32012	32488	31679
15°	31055	32111	30605
20°	28742	30584	28224
25°	23886	27677	23316
30°	15755	22228	15278
35°	9472	13987	9041
40°	5890	6329	5654
45°	3440	2289	3312
50°	804	790	777
55°	390	375	390
60°	250	233	250
65°	173	153	173
70°	126	126	126
75°	67	100	67
80°	99	99	99
85°	99	99	99



TEST NUMBER: P840527

CATALOG NUMBER: LD6C10D010 EU6109027 6LCSQWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	10.1
10°-20°	197.7	28.4
20°-30°	241.1	34.6
30°-40°	136.8	19.7
40°-50°	42.0	6.0
50°-60°	5.7	0.8
60°-70°	1.7	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°	509.0	73.1
0°-40°	645.8	92.8
0°-60°	693.4	99.6
0°-90°	696.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	735	736	736	734	732	70
15°	697	712	720	707	687	194
25°	503	546	583	541	491	222
35°	180	206	266	200	172	118
45°	56	59	38	57	54	43
55°	5	5	5	5	5	5
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°	721.9	721.9	721.9	721.9	721.9
2.5°	727.3	726.7	725.9	725.8	725.9
5°	735.3	735.5	735.9	733.8	732.1
7.5°	737.8	741.2	743.5	738.0	732.4
10°	732.2	739.3	743.1	734.5	724.6
12.5°	718.3	730.0	735.1	724.0	708.8
15°	696.7	712.4	720.4	706.9	686.6
17.5°	667.0	688.2	697.1	682.0	657.8
20°	627.3	652.5	667.5	647.9	616.0
22.5°	574.4	608.2	629.2	604.0	562.9
25°	502.8	545.9	582.6	541.4	490.8
27.5°	408.5	465.0	520.6	458.9	397.6
30°	316.9	368.0	447.1	363.6	307.3
32.5°	238.2	279.7	358.5	274.7	228.3
35°	180.2	206.0	266.1	199.9	172.0
37.5°	137.1	151.4	178.3	147.0	130.0
40°	104.8	111.1	112.6	107.9	100.6
42.5°	81.9	81.9	65.9	79.4	79.4
45°	56.5	59.2	37.6	56.9	54.4
47.5°	28.4	38.0	20.6	36.7	26.5
50°	12.0	18.7	11.8	18.1	11.6
52.5°	7.3	8.2	7.3	8.2	6.9
55°	5.2	5.3	5.0	5.2	5.2
57.5°	3.8	3.8	3.6	3.8	3.8
60°	2.9	2.9	2.7	2.9	2.9
62.5°	2.1	2.3	2.1	2.3	2.1
65°	1.7	1.7	1.5	1.7	1.7
67.5°	1.3	1.3	1.1	1.3	1.3
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)