

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: P840531

Luminaire Tested: **LD6C10D010 EU6109030 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: P840531
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 EU6109030 6LCSQWLI
Description: 6 INCH 1000 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

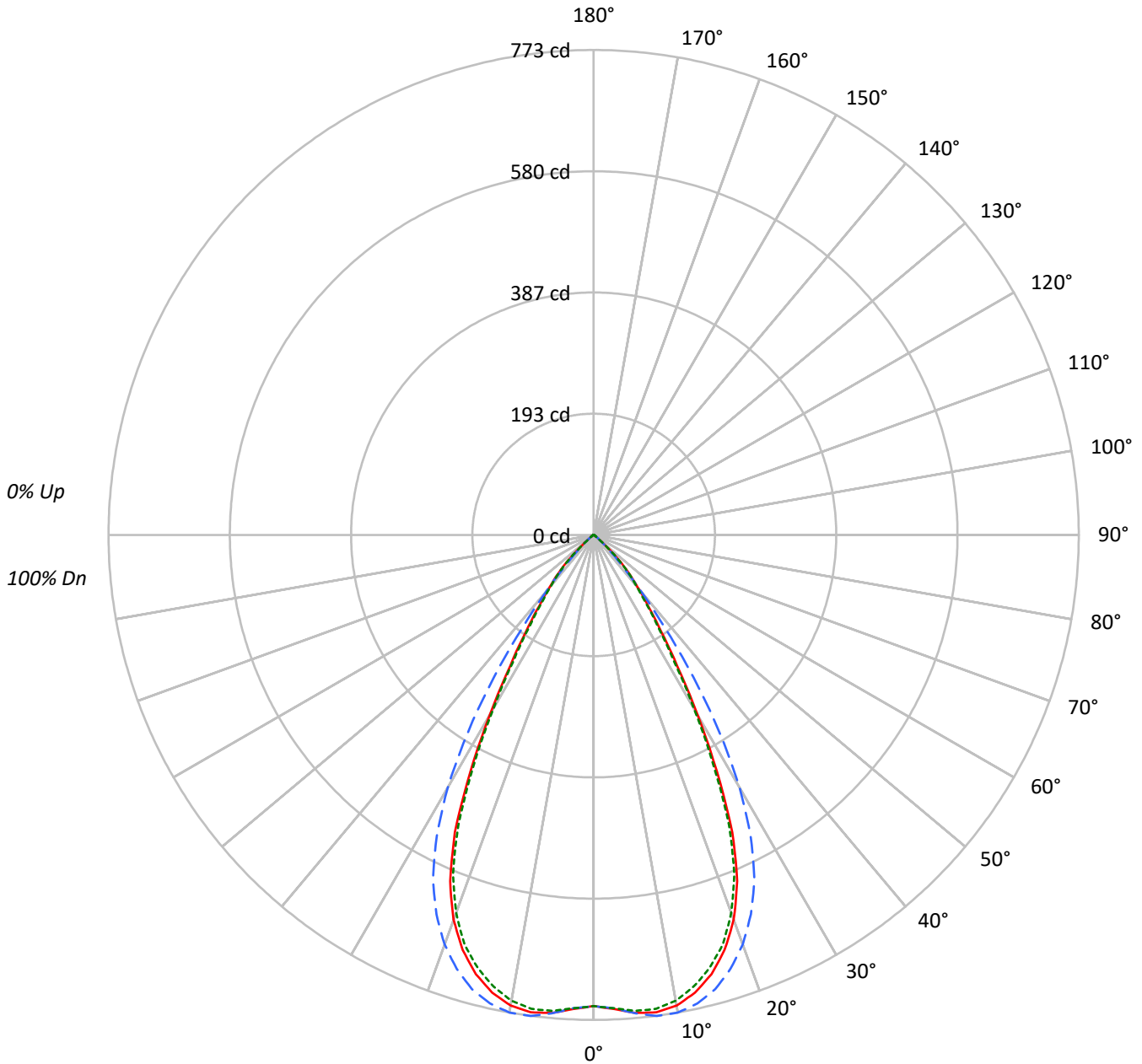
Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	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	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	52	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32335	32335	32335
5°	33059	33085	32912
10°	33301	33795	32956
15°	32308	33404	31835
20°	29897	31817	29361
25°	24846	28789	24252
30°	16387	23118	15894
35°	9850	14549	9403
40°	6126	6587	5879
45°	3580	2381	3446
50°	837	824	810
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°	73.0	10.1
10°-20°	205.7	28.4
20°-30°	250.8	34.6
30°-40°	142.3	19.7
40°-50°	43.6	6.0
50°-60°	5.9	0.8
60°-70°	1.8	0.3
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°	529.5	73.1
0°-40°	671.8	92.8
0°-60°	721.3	99.6
0°-90°	724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	765	765	766	763	762	73
15°	725	741	749	735	714	202
25°	523	568	606	563	510	231
35°	187	214	277	208	179	123
45°	59	62	39	59	57	44
55°	5	6	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°	751.0	751.0	751.0	751.0	751.0
2.5°	756.5	755.9	755.2	755.0	755.2
5°	764.9	765.1	765.5	763.3	761.5
7.5°	767.5	771.0	773.4	767.7	761.9
10°	761.7	769.1	773.0	764.1	753.8
12.5°	747.2	759.3	764.7	753.2	737.3
15°	724.8	741.1	749.4	735.3	714.2
17.5°	693.8	715.8	725.2	709.5	684.3
20°	652.5	678.7	694.4	673.9	640.8
22.5°	597.5	632.6	654.5	628.3	585.6
25°	523.0	567.9	606.0	563.1	510.5
27.5°	424.9	483.7	541.5	477.4	413.6
30°	329.6	382.8	465.0	378.3	319.7
32.5°	247.8	290.9	372.9	285.7	237.5
35°	187.4	214.3	276.8	207.9	178.9
37.5°	142.6	157.5	185.5	152.9	135.2
40°	109.0	115.6	117.2	112.2	104.6
42.5°	85.2	85.2	68.5	82.6	82.6
45°	58.8	61.6	39.1	59.2	56.6
47.5°	29.6	39.5	21.4	38.1	27.6
50°	12.5	19.5	12.3	18.9	12.1
52.5°	7.5	8.5	7.5	8.5	7.1
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)