

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: P840532

Luminaire Tested: **LD6C10D010 EU6109035 6LBCSSQMMS**

Issue Date: 5/25/2022

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: P840532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)
Test Lab: INNOVATION CENTER
Issue Date: 5/25/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10D010 EU6109035 6LBCSSQMMS
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

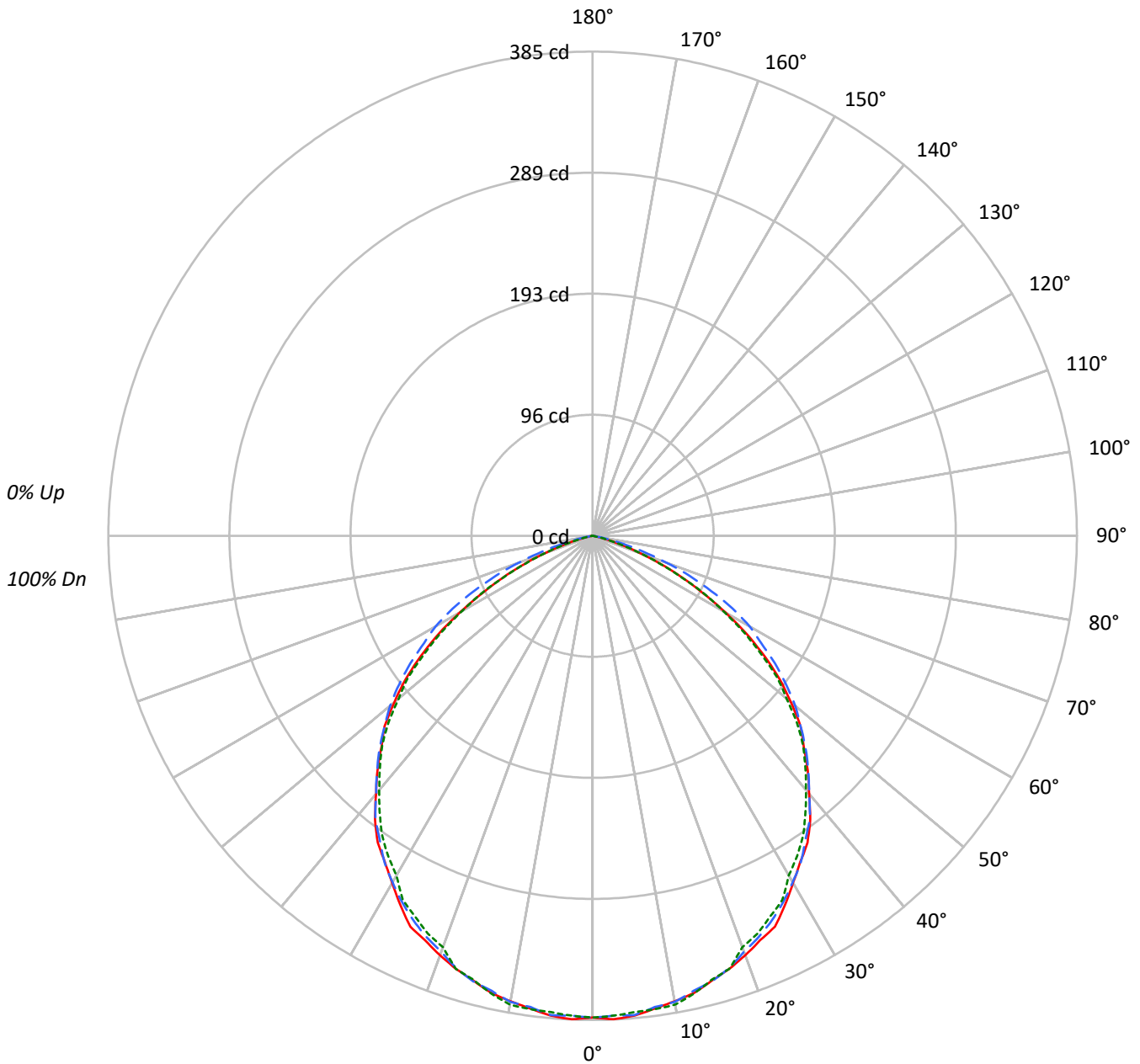
Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87																			
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75																			
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64																			
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56																			
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49																			
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43																			
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38																			
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34																			
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31																			
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16495	16495	16495
5°	16558	16536	16437
10°	16430	16452	16552
15°	16323	16350	16296
20°	16261	16128	15950
25°	16295	16029	15867
30°	15845	15815	15507
35°	15653	15506	15327
40°	15052	15052	14833
45°	14449	14589	14419
50°	13778	14080	13477
55°	12513	13279	12213
60°	10463	12409	10316
65°	8008	10595	7947
70°	4985	7830	5048
75°	1880	4225	1780
80°	149	694	149
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	3.9
10°-20°	103.3	11.2
20°-30°	155.5	16.8
30°-40°	183.9	19.9
40°-50°	183.6	19.8
50°-60°	152.2	16.5
60°-70°	88.9	9.6
70°-80°	21.2	2.3
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°	295.0	31.9
0°-40°	479.0	51.8
0°-60°	814.7	88.1
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	383	383	383	383	383	
5°	383	381	383	381	380	36
15°	366	366	367	365	366	104
25°	343	339	337	336	334	157
35°	298	295	295	293	292	185
45°	237	238	240	237	237	184
55°	167	173	177	172	163	148
65°	79	88	104	88	78	78
75°	11	16	25	16	11	15
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1
2.5°	384.8	382.6	384.3	380.9	383.1	380.9	381.4	380.3	382.6	382.0	381.4
5°	383.1	383.7	382.6	383.7	382.0	380.3	382.0	380.9	377.5	382.6	381.4
7.5°	379.2	379.7	378.6	380.3	379.2	376.9	381.4	378.0	377.5	378.0	380.3
10°	375.8	376.9	376.3	375.8	376.3	376.3	375.2	373.5	375.2	376.3	375.8
12.5°	372.4	374.1	372.9	371.8	370.7	371.3	372.4	369.6	369.6	370.7	374.1
15°	366.2	367.3	367.9	365.6	365.6	366.2	368.4	363.9	366.2	366.8	367.3
17.5°	361.1	361.7	361.7	360.0	361.1	359.4	361.1	358.8	361.1	360.5	361.7
20°	354.9	356.0	354.9	354.9	353.8	354.3	354.3	354.3	352.6	352.0	353.2
22.5°	348.1	348.1	347.0	348.1	347.0	346.4	349.2	344.7	349.2	345.3	348.7
25°	343.0	340.2	338.5	337.9	340.2	337.9	339.0	337.4	338.5	337.4	337.9
27.5°	331.1	329.5	328.9	329.5	329.5	328.9	331.1	324.9	328.9	328.3	328.3
30°	318.7	318.7	319.8	318.7	319.8	318.1	320.4	315.3	318.7	318.1	318.7
32.5°	307.4	308.0	308.0	309.1	307.4	308.0	308.0	306.3	307.4	308.0	306.8
35°	297.8	295.0	295.0	295.0	295.0	295.0	296.1	294.4	296.1	295.0	295.0
37.5°	284.2	281.4	281.4	280.8	283.7	282.0	284.8	282.5	282.5	283.7	283.7
40°	267.8	269.0	267.3	269.5	269.0	266.7	271.8	268.4	270.7	267.8	270.1
42.5°	253.2	253.7	253.2	252.6	254.9	254.3	256.5	254.3	253.7	253.7	257.7
45°	237.3	237.3	237.3	239.0	237.3	237.9	240.2	239.0	240.2	239.6	243.5
47.5°	224.3	221.5	221.0	224.3	223.8	224.3	224.3	224.9	225.5	224.3	226.0
50°	205.7	204.6	204.6	205.1	205.7	206.8	208.5	209.6	208.5	210.2	210.8
52.5°	187.6	186.5	187.1	189.3	190.4	189.9	192.7	193.3	192.7	193.8	193.8
55°	166.7	165.6	167.3	170.1	171.8	173.5	176.3	174.1	176.3	176.9	177.4
57.5°	145.2	144.7	145.2	148.0	149.8	153.7	158.2	158.2	160.5	158.8	160.5
60°	121.5	121.5	123.8	125.4	130.0	132.8	137.3	139.6	141.8	144.1	143.0
62.5°	98.9	99.5	101.1	105.1	107.9	111.9	117.0	119.2	123.2	125.4	124.3
65°	78.6	78.6	79.7	83.1	85.9	91.0	95.5	100.6	102.9	104.0	104.5
67.5°	58.8	58.2	60.5	62.7	65.6	70.6	75.7	78.6	82.5	83.6	83.1
70°	39.6	40.1	41.3	43.5	46.9	50.9	56.5	58.8	61.0	62.2	61.0
72.5°	24.9	24.9	25.4	27.7	29.9	32.8	36.7	39.0	41.8	42.4	41.3
75°	11.3	11.3	12.4	13.6	15.3	17.5	20.3	22.0	23.7	25.4	25.4
77.5°	2.3	2.8	3.4	3.4	4.5	6.2	7.9	9.6	11.3	11.3	11.3
80°	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.7	2.8	2.8	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1
2.5°	383.1	386.5	383.1	381.4	383.7	383.1	381.4	382.0
5°	381.4	382.6	383.7	379.2	382.0	382.6	381.4	380.3
7.5°	379.7	380.3	379.7	378.6	378.6	378.6	379.7	379.7
10°	379.2	377.5	374.7	372.9	374.7	374.7	374.1	378.6
12.5°	371.8	374.1	372.4	369.0	372.4	371.8	371.8	372.9
15°	366.2	366.2	367.3	362.8	365.0	364.5	364.5	365.6
17.5°	360.5	360.5	360.0	358.8	358.3	360.0	358.3	361.1
20°	352.6	353.8	357.1	351.5	353.2	351.5	351.5	348.1
22.5°	343.0	348.7	345.8	345.3	344.7	345.3	346.4	342.4
25°	336.8	336.8	337.9	334.5	334.5	335.7	335.1	334.0
27.5°	328.3	327.7	327.2	326.1	328.9	326.6	326.6	326.6
30°	316.5	318.1	317.6	314.7	318.1	317.0	315.3	311.9
32.5°	306.3	308.5	305.1	304.6	304.0	304.6	305.1	302.3
35°	293.8	294.4	294.4	292.2	292.7	292.2	291.0	291.6
37.5°	282.5	282.0	279.2	278.0	278.6	278.6	279.2	278.0
40°	266.7	268.4	268.4	264.5	265.6	264.5	264.5	263.9
42.5°	253.7	254.3	252.6	250.9	250.9	250.3	249.2	250.3
45°	240.2	239.6	237.9	236.2	236.2	235.6	234.5	236.8
47.5°	224.9	223.8	223.2	221.0	221.0	217.6	218.1	220.4
50°	209.6	208.5	206.3	205.1	203.4	201.7	201.2	201.2
52.5°	191.6	191.6	189.3	187.1	186.5	185.3	184.2	184.8
55°	175.7	175.7	174.1	170.1	167.8	165.0	163.3	162.7
57.5°	157.7	156.5	153.1	148.6	146.4	144.1	142.4	142.4
60°	139.6	136.8	133.4	129.4	125.4	121.5	120.4	119.8
62.5°	119.8	117.0	110.8	106.2	103.4	101.1	98.9	100.6
65°	100.0	96.1	90.4	85.9	83.1	79.7	78.0	78.0
67.5°	79.1	75.2	69.5	65.0	62.2	59.9	57.6	57.6
70°	58.2	55.4	50.3	46.3	44.1	40.7	40.1	40.1
72.5°	39.6	36.2	32.2	29.4	27.1	24.9	23.7	23.2
75°	22.0	19.8	17.0	15.3	13.0	11.9	10.7	10.7
77.5°	9.0	7.4	5.6	4.5	3.4	2.8	2.3	2.8
80°	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	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)