

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: P840490

Luminaire Tested: **LD6C08D010 EU6089030 6LBCSSQMW**

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: P840490
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: LD6C08D010 EU6089030 6LBCSSQMW
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

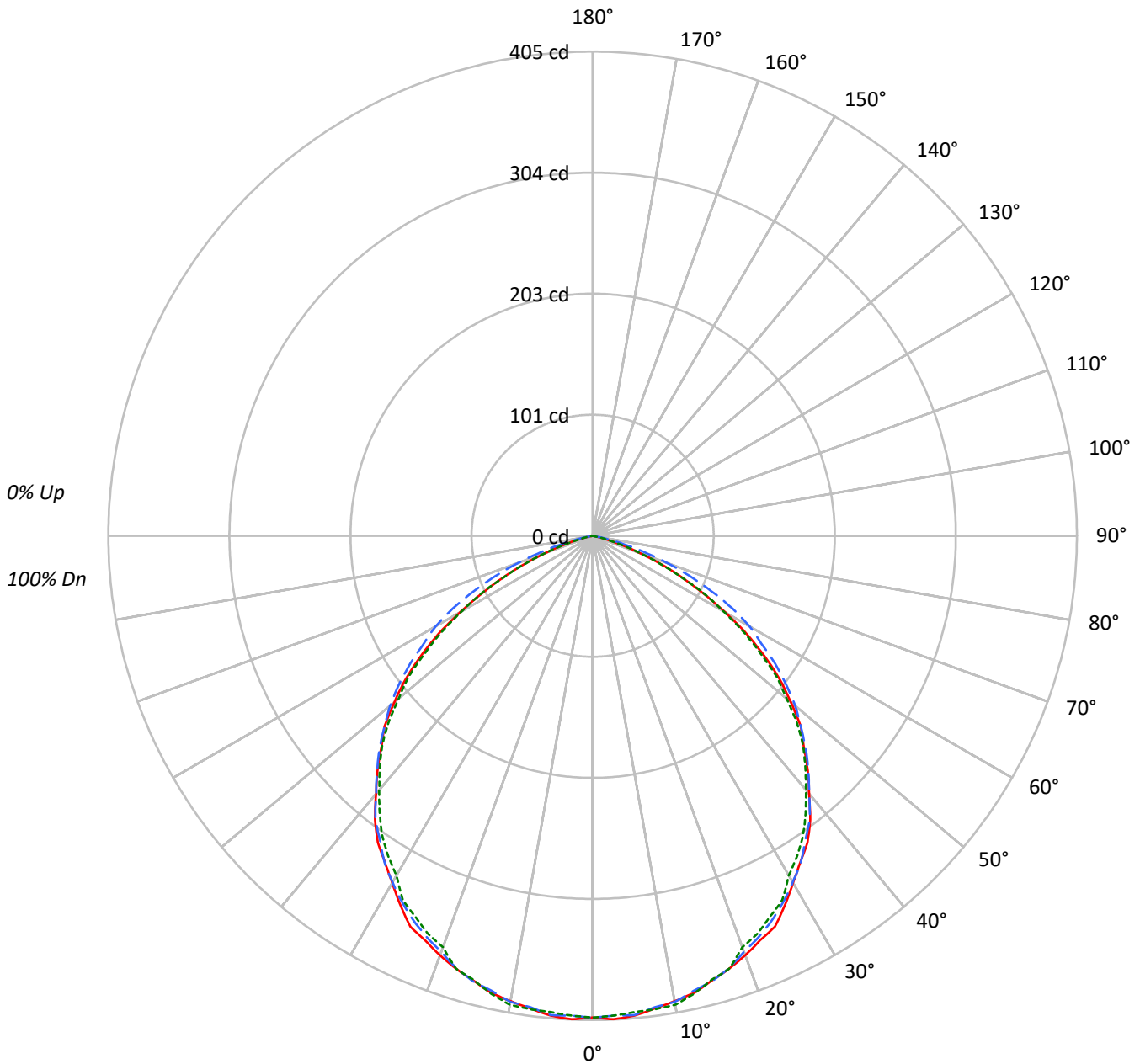
Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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				20				
RC	80				70				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			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°	17351	17351	17351
5°	17418	17392	17288
10°	17282	17309	17414
15°	17170	17197	17143
20°	17104	16967	16779
25°	17140	16860	16689
30°	16665	16640	16312
35°	16462	16310	16121
40°	15833	15833	15603
45°	15204	15344	15168
50°	14495	14810	14174
55°	13166	13970	12851
60°	11005	13054	10850
65°	8415	11145	8354
70°	5237	8233	5312
75°	1980	4458	1880
80°	149	744	149
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	3.9
10°-20°	108.7	11.2
20°-30°	163.6	16.8
30°-40°	193.5	19.9
40°-50°	193.1	19.8
50°-60°	160.1	16.5
60°-70°	93.5	9.6
70°-80°	22.3	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°	310.4	31.9
0°-40°	503.8	51.8
0°-60°	857.0	88.1
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	403	403	403	403	403	
5°	403	401	402	401	400	38
15°	385	385	386	384	385	109
25°	361	357	355	354	351	165
35°	313	310	310	308	307	195
45°	250	250	252	249	249	193
55°	175	182	186	181	171	156
65°	83	93	109	93	82	82
75°	12	17	27	17	11	16
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°	403.0	403.0	403.0	403.0	403.0	403.0	403.0	403.0	403.0	403.0	403.0
2.5°	404.8	402.4	404.2	400.6	403.0	400.6	401.2	400.0	402.4	401.8	401.2
5°	403.0	403.6	402.4	403.6	401.8	400.0	401.8	400.6	397.1	402.4	401.2
7.5°	398.8	399.5	398.3	400.0	398.8	396.5	401.2	397.7	397.1	397.7	400.0
10°	395.3	396.5	395.9	395.3	395.9	395.9	394.7	392.9	394.7	395.9	395.3
12.5°	391.7	393.5	392.3	391.1	389.9	390.5	391.7	388.7	388.7	389.9	393.5
15°	385.2	386.4	387.0	384.6	384.6	385.2	387.6	382.8	385.2	385.8	386.4
17.5°	379.8	380.4	380.4	378.6	379.8	378.0	379.8	377.4	379.8	379.2	380.4
20°	373.3	374.5	373.3	373.3	372.1	372.7	372.7	372.7	370.9	370.3	371.5
22.5°	366.2	366.2	365.0	366.2	365.0	364.4	367.3	362.6	367.3	363.2	366.8
25°	360.8	357.8	356.1	355.5	357.8	355.5	356.6	354.9	356.1	354.9	355.5
27.5°	348.3	346.5	345.9	346.5	346.5	345.9	348.3	341.8	345.9	345.4	345.4
30°	335.2	335.2	336.4	335.2	336.4	334.7	337.0	331.7	335.2	334.7	335.2
32.5°	323.4	324.0	324.0	325.1	323.4	324.0	324.0	322.2	323.4	324.0	322.8
35°	313.2	310.3	310.3	310.3	310.3	310.3	311.5	309.7	311.5	310.3	310.3
37.5°	299.0	296.0	296.0	295.4	298.4	296.6	299.6	297.2	297.2	298.4	298.4
40°	281.7	282.9	281.2	283.5	282.9	280.6	285.9	282.4	284.7	281.7	284.1
42.5°	266.3	266.9	266.3	265.7	268.1	267.5	269.9	267.5	266.9	266.9	271.0
45°	249.7	249.7	249.7	251.4	249.7	250.2	252.6	251.4	252.6	252.0	256.2
47.5°	236.0	233.0	232.4	236.0	235.4	236.0	236.0	236.6	237.2	236.0	237.8
50°	216.4	215.2	215.2	215.8	216.4	217.6	219.3	220.5	219.3	221.1	221.7
52.5°	197.3	196.2	196.8	199.1	200.3	199.7	202.7	203.3	202.7	203.9	203.9
55°	175.4	174.2	175.9	178.9	180.7	182.5	185.4	183.1	185.4	186.1	186.6
57.5°	152.8	152.2	152.8	155.7	157.5	161.7	166.4	166.4	168.8	167.0	168.8
60°	127.8	127.8	130.2	132.0	136.7	139.7	144.4	146.8	149.2	151.6	150.4
62.5°	104.0	104.6	106.4	110.6	113.5	117.7	123.0	125.4	129.6	132.0	130.8
65°	82.6	82.6	83.8	87.4	90.3	95.7	100.5	105.8	108.2	109.4	110.0
67.5°	61.8	61.2	63.6	66.0	69.0	74.3	79.7	82.6	86.8	88.0	87.4
70°	41.6	42.2	43.4	45.8	49.3	53.5	59.4	61.8	64.2	65.4	64.2
72.5°	26.1	26.1	26.8	29.1	31.5	34.5	38.6	41.0	44.0	44.6	43.4
75°	11.9	11.9	13.1	14.3	16.1	18.4	21.4	23.2	25.0	26.8	26.8
77.5°	2.4	3.0	3.6	3.6	4.7	6.5	8.3	10.1	11.9	11.9	11.9
80°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8	3.0	3.0	3.0
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°	403.0	403.0	403.0	403.0	403.0	403.0	403.0	403.0
2.5°	403.0	406.6	403.0	401.2	403.6	403.0	401.2	401.8
5°	401.2	402.4	403.6	398.8	401.8	402.4	401.2	400.0
7.5°	399.5	400.0	399.5	398.3	398.3	398.3	399.5	399.5
10°	398.8	397.1	394.1	392.3	394.1	394.1	393.5	398.3
12.5°	391.1	393.5	391.7	388.1	391.7	391.1	391.1	392.3
15°	385.2	385.2	386.4	381.6	384.0	383.4	383.4	384.6
17.5°	379.2	379.2	378.6	377.4	376.9	378.6	376.9	379.8
20°	370.9	372.1	375.7	369.7	371.5	369.7	369.7	366.2
22.5°	360.8	366.8	363.8	363.2	362.6	363.2	364.4	360.2
25°	354.3	354.3	355.5	351.9	351.9	353.1	352.5	351.3
27.5°	345.4	344.7	344.2	343.0	345.9	343.6	343.6	343.6
30°	332.9	334.7	334.1	331.1	334.7	333.5	331.7	328.1
32.5°	322.2	324.6	321.0	320.4	319.8	320.4	321.0	318.0
35°	309.1	309.7	309.7	307.3	307.9	307.3	306.1	306.7
37.5°	297.2	296.6	293.6	292.5	293.0	293.0	293.6	292.5
40°	280.6	282.4	282.4	278.2	279.4	278.2	278.2	277.6
42.5°	266.9	267.5	265.7	263.9	263.9	263.3	262.1	263.3
45°	252.6	252.0	250.2	248.5	248.5	247.9	246.7	249.1
47.5°	236.6	235.4	234.8	232.4	232.4	228.8	229.4	231.8
50°	220.5	219.3	217.0	215.8	214.0	212.2	211.6	211.6
52.5°	201.5	201.5	199.1	196.8	196.2	195.0	193.8	194.4
55°	184.9	184.9	183.1	178.9	176.5	173.6	171.8	171.2
57.5°	165.8	164.7	161.1	156.3	153.9	151.6	149.8	149.8
60°	146.8	143.9	140.3	136.1	132.0	127.8	126.6	126.0
62.5°	126.0	123.0	116.5	111.7	108.8	106.4	104.0	105.8
65°	105.2	101.0	95.1	90.3	87.4	83.8	82.0	82.0
67.5°	83.2	79.1	73.1	68.4	65.4	63.0	60.6	60.6
70°	61.2	58.3	52.9	48.7	46.4	42.8	42.2	42.2
72.5°	41.6	38.0	33.9	30.9	28.5	26.1	25.0	24.4
75°	23.2	20.8	17.8	16.1	13.7	12.5	11.3	11.3
77.5°	9.5	7.7	5.9	4.7	3.6	3.0	2.4	3.0
80°	1.8	1.2	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)