

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: P#

Luminaire Tested: **LX6C10D010 EX6C109040 6LBCSSQMMS**

Issue Date: 5/25/2022



Test Information

Test Method: LM-79-08
Report Number: P#
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: LX6C10D010 EX6C109040 6LBCSSQMMS
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

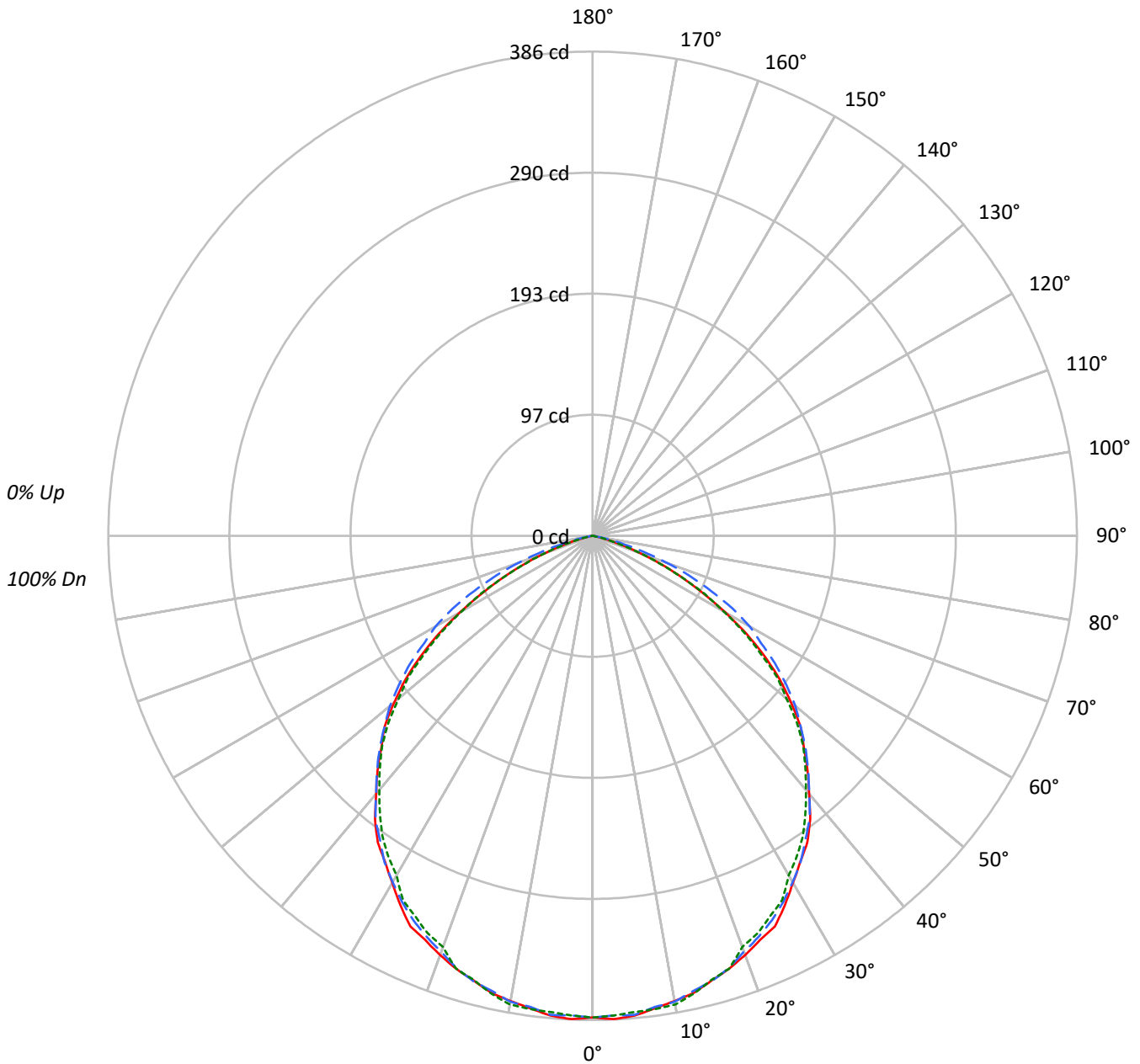
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 927.0 lumens
Efficiency: N/A
Efficacy: 95.1 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): 9.75
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: P#
CATALOG NUMBER: LX6C10D010 EX6C109040 6LBCSSQMMS

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°	16533	16533	16533
5°	16597	16571	16471
10°	16465	16491	16587
15°	16359	16381	16332
20°	16293	16165	15982
25°	16328	16062	15900
30°	15879	15850	15541
35°	15684	15537	15358
40°	15085	15085	14866
45°	14486	14620	14449
50°	13805	14113	13504
55°	12543	13309	12243
60°	10488	12434	10342
65°	8018	10616	7957
70°	4998	7843	5061
75°	1880	4242	1797
80°	149	694	149
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	3.9
10°-20°	103.6	11.2
20°-30°	155.8	16.8
30°-40°	184.3	19.9
40°-50°	184.0	19.8
50°-60°	152.5	16.5
60°-70°	89.1	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°	295.7	31.9
0°-40°	480.0	51.8
0°-60°	816.5	88.1
0°-90°	927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	384	384	384	384	384	
5°	384	382	383	382	381	36
15°	367	367	368	366	366	104
25°	344	340	338	337	335	157
35°	298	296	296	294	292	186
45°	238	238	240	238	237	184
55°	167	173	177	172	163	148
65°	79	89	104	88	78	78
75°	11	16	26	16	11	15
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0
2.5°	385.7	383.4	385.1	381.7	384.0	381.7	382.3	381.1	383.4	382.8	382.3
5°	384.0	384.5	383.4	384.5	382.8	381.1	382.8	381.7	378.3	383.4	382.3
7.5°	380.0	380.6	379.4	381.1	380.0	377.7	382.3	378.9	378.3	378.9	381.1
10°	376.6	377.7	377.2	376.6	377.2	377.2	376.0	374.3	376.0	377.2	376.6
12.5°	373.2	374.9	373.8	372.6	371.5	372.1	373.2	370.4	370.4	371.5	374.9
15°	367.0	368.1	368.7	366.4	366.4	367.0	369.2	364.7	367.0	367.5	368.1
17.5°	361.9	362.4	362.4	360.7	361.9	360.2	361.9	359.6	361.9	361.3	362.4
20°	355.6	356.8	355.6	355.6	354.5	355.1	355.1	355.1	353.4	352.8	353.9
22.5°	348.8	348.8	347.7	348.8	347.7	347.2	350.0	345.5	350.0	346.0	349.4
25°	343.7	340.9	339.2	338.6	340.9	338.6	339.8	338.1	339.2	338.1	338.6
27.5°	331.9	330.2	329.6	330.2	330.2	329.6	331.9	325.6	329.6	329.0	329.0
30°	319.4	319.4	320.5	319.4	320.5	318.8	321.1	316.0	319.4	318.8	319.4
32.5°	308.1	308.6	308.6	309.8	308.1	308.6	308.6	306.9	308.1	308.6	307.5
35°	298.4	295.6	295.6	295.6	295.6	295.6	296.7	295.1	296.7	295.6	295.6
37.5°	284.9	282.0	282.0	281.5	284.3	282.6	285.4	283.1	283.1	284.3	284.3
40°	268.4	269.6	267.9	270.1	269.6	267.3	272.4	269.0	271.3	268.4	270.7
42.5°	253.7	254.3	253.7	253.1	255.4	254.8	257.1	254.8	254.3	254.3	258.2
45°	237.9	237.9	237.9	239.6	237.9	238.4	240.7	239.6	240.7	240.1	244.1
47.5°	224.8	222.0	221.4	224.8	224.3	224.8	224.8	225.4	225.9	224.8	226.5
50°	206.1	205.0	205.0	205.6	206.1	207.3	209.0	210.1	209.0	210.7	211.2
52.5°	188.0	186.9	187.5	189.7	190.8	190.3	193.1	193.7	193.1	194.2	194.2
55°	167.1	165.9	167.6	170.5	172.2	173.9	176.7	174.4	176.7	177.3	177.8
57.5°	145.5	145.0	145.5	148.4	150.1	154.0	158.6	158.6	160.8	159.1	160.8
60°	121.8	121.8	124.0	125.7	130.3	133.1	137.6	139.9	142.2	144.4	143.3
62.5°	99.1	99.7	101.4	105.3	108.2	112.1	117.2	119.5	123.4	125.7	124.6
65°	78.7	78.7	79.9	83.2	86.1	91.2	95.7	100.8	103.1	104.2	104.8
67.5°	58.9	58.3	60.6	62.9	65.7	70.8	75.9	78.7	82.7	83.8	83.2
70°	39.7	40.2	41.3	43.6	47.0	51.0	56.6	58.9	61.2	62.3	61.2
72.5°	24.9	24.9	25.5	27.7	30.0	32.8	36.8	39.1	41.9	42.5	41.3
75°	11.3	11.3	12.5	13.6	15.3	17.6	20.4	22.1	23.8	25.5	25.5
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



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0
2.5°	384.0	387.4	384.0	382.3	384.5	384.0	382.3	382.8
5°	382.3	383.4	384.5	380.0	382.8	383.4	382.3	381.1
7.5°	380.6	381.1	380.6	379.4	379.4	379.4	380.6	380.6
10°	380.0	378.3	375.5	373.8	375.5	375.5	374.9	379.4
12.5°	372.6	374.9	373.2	369.8	373.2	372.6	372.6	373.8
15°	367.0	367.0	368.1	363.6	365.8	365.3	365.3	366.4
17.5°	361.3	361.3	360.7	359.6	359.0	360.7	359.0	361.9
20°	353.4	354.5	357.9	352.2	353.9	352.2	352.2	348.8
22.5°	343.7	349.4	346.6	346.0	345.5	346.0	347.2	343.2
25°	337.5	337.5	338.6	335.3	335.3	336.4	335.8	334.7
27.5°	329.0	328.4	327.9	326.8	329.6	327.3	327.3	327.3
30°	317.1	318.8	318.3	315.4	318.8	317.7	316.0	312.6
32.5°	306.9	309.2	305.8	305.3	304.7	305.3	305.8	303.0
35°	294.5	295.1	295.1	292.8	293.3	292.8	291.6	292.2
37.5°	283.1	282.6	279.8	278.6	279.2	279.2	279.8	278.6
40°	267.3	269.0	269.0	265.0	266.2	265.0	265.0	264.5
42.5°	254.3	254.8	253.1	251.4	251.4	250.9	249.7	250.9
45°	240.7	240.1	238.4	236.7	236.7	236.1	235.0	237.3
47.5°	225.4	224.3	223.7	221.4	221.4	218.0	218.6	220.9
50°	210.1	209.0	206.7	205.6	203.9	202.2	201.6	201.6
52.5°	192.0	192.0	189.7	187.5	186.9	185.7	184.6	185.2
55°	176.1	176.1	174.4	170.5	168.2	165.4	163.7	163.1
57.5°	158.0	156.9	153.5	148.9	146.7	144.4	142.7	142.7
60°	139.9	137.1	133.6	129.7	125.7	121.8	120.6	120.1
62.5°	120.1	117.2	111.0	106.5	103.6	101.4	99.1	100.8
65°	100.2	96.3	90.6	86.1	83.2	79.9	78.1	78.1
67.5°	79.3	75.3	69.7	65.1	62.3	60.0	57.8	57.8
70°	58.3	55.5	50.4	46.4	44.2	40.8	40.2	40.2
72.5°	39.7	36.2	32.3	29.5	27.2	24.9	23.8	23.2
75°	22.1	19.8	17.0	15.3	13.0	11.9	10.8	10.8
77.5°	9.1	7.4	5.7	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)