

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 EX6C109035 6LBCSSQMW**

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 EX6C109035 6LBCSSQMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

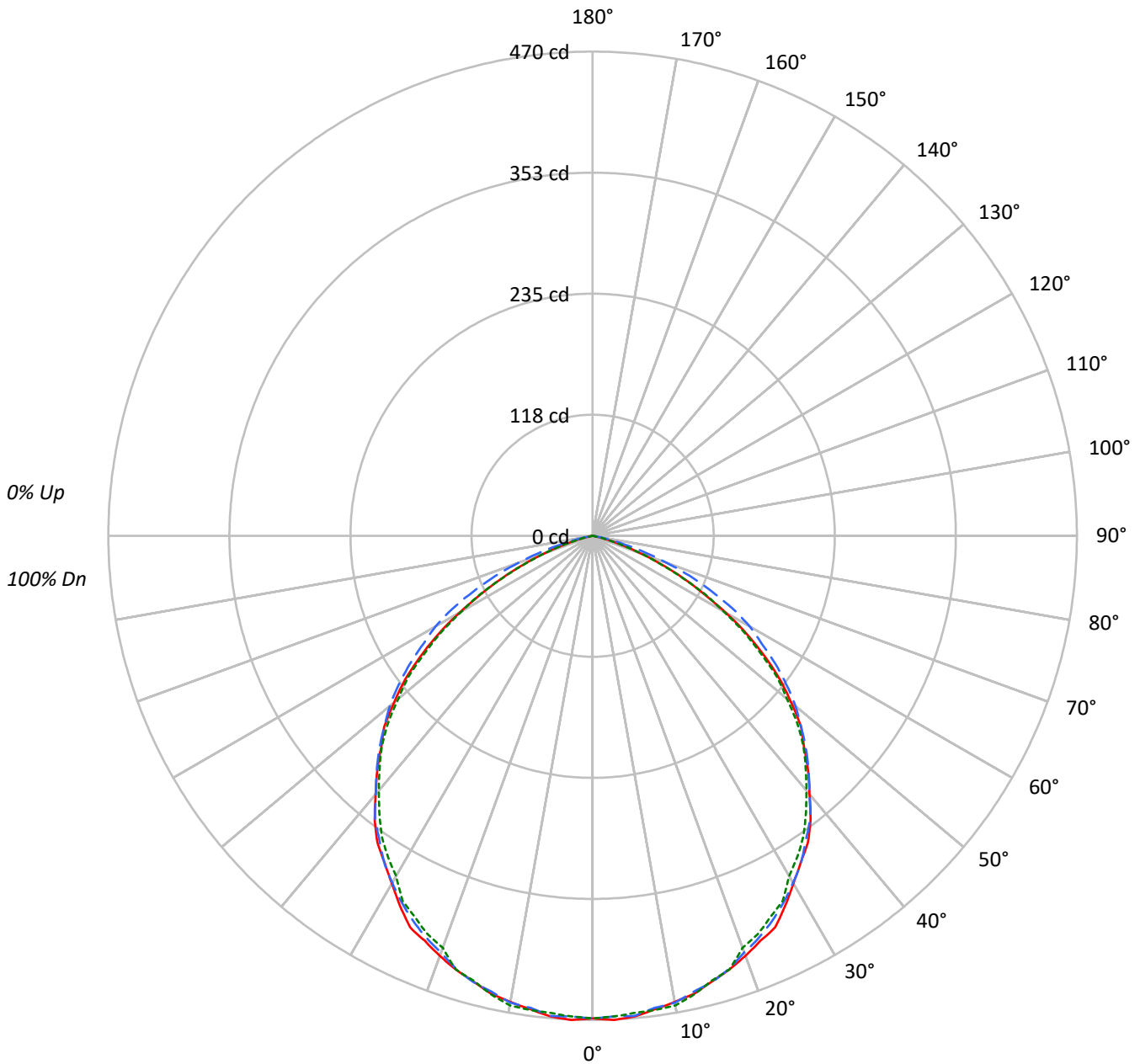
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1131.0 lumens
Efficiency: N/A
Efficacy: 116.0 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

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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	100	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87	87	87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75	75	75	75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64	64	64	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	56	56	56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49	49	49	49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43	43	43	43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38	38	38	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34	34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31	31	31	31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28	28	28	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20167	20167	20167
5°	20244	20218	20097
10°	20089	20120	20238
15°	19956	19987	19925
20°	19881	19720	19501
25°	19924	19596	19397
30°	19374	19340	18962
35°	19138	18959	18738
40°	18407	18407	18137
45°	17670	17835	17628
50°	16846	17215	16478
55°	15298	16237	14938
60°	12796	15173	12615
65°	9780	12949	9709
70°	6093	9567	6181
75°	2296	5174	2179
80°	174	843	174
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	3.9
10°-20°	126.3	11.2
20°-30°	190.1	16.8
30°-40°	224.9	19.9
40°-50°	224.4	19.8
50°-60°	186.1	16.5
60°-70°	108.7	9.6
70°-80°	25.9	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°	360.7	31.9
0°-40°	585.6	51.8
0°-60°	996.2	88.1
0°-90°	1131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	468	468	468	468	468	
5°	468	466	468	466	465	44
15°	448	447	448	446	447	127
25°	419	415	412	411	408	192
35°	364	361	361	359	356	226
45°	290	291	293	290	290	224
55°	204	211	216	210	199	181
65°	96	108	127	108	95	95
75°	14	20	31	20	13	19
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°	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4
2.5°	470.5	467.8	469.8	465.7	468.4	465.7	466.4	465.0	467.8	467.1	466.4
5°	468.4	469.2	467.8	469.2	467.1	465.0	467.1	465.7	461.5	467.8	466.4
7.5°	463.6	464.3	462.9	465.0	463.6	460.8	466.4	462.2	461.5	462.2	465.0
10°	459.5	460.8	460.2	459.5	460.2	460.2	458.8	456.7	458.8	460.2	459.5
12.5°	455.3	457.4	456.0	454.6	453.3	453.9	455.3	451.9	451.9	453.3	457.4
15°	447.7	449.1	449.8	447.0	447.0	447.7	450.5	445.0	447.7	448.4	449.1
17.5°	441.5	442.2	442.2	440.1	441.5	439.4	441.5	438.7	441.5	440.8	442.2
20°	433.9	435.3	433.9	433.9	432.5	433.2	433.2	433.2	431.2	430.4	431.8
22.5°	425.6	425.6	424.2	425.6	424.2	423.5	427.0	421.5	427.0	422.2	426.3
25°	419.4	415.9	413.9	413.2	415.9	413.2	414.6	412.5	413.9	412.5	413.2
27.5°	404.9	402.8	402.1	402.8	402.8	402.1	404.9	397.3	402.1	401.4	401.4
30°	389.7	389.7	391.1	389.7	391.1	389.0	391.8	385.5	389.7	389.0	389.7
32.5°	375.9	376.6	376.6	377.9	375.9	376.6	376.6	374.5	375.9	376.6	375.2
35°	364.1	360.7	360.7	360.7	360.7	360.7	362.1	360.0	362.1	360.7	360.7
37.5°	347.5	344.1	344.1	343.4	346.8	344.8	348.2	345.5	345.5	346.8	346.8
40°	327.5	328.9	326.8	329.6	328.9	326.1	332.3	328.2	330.9	327.5	330.3
42.5°	309.5	310.2	309.5	308.8	311.6	310.9	313.7	310.9	310.2	310.2	315.1
45°	290.2	290.2	290.2	292.3	290.2	290.9	293.7	292.3	293.7	292.9	297.8
47.5°	274.3	270.8	270.2	274.3	273.6	274.3	274.3	275.0	275.7	274.3	276.4
50°	251.5	250.1	250.1	250.8	251.5	252.9	254.9	256.3	254.9	257.0	257.7
52.5°	229.4	228.0	228.7	231.5	232.8	232.2	235.6	236.3	235.6	237.0	237.0
55°	203.8	202.4	204.5	208.0	210.0	212.1	215.6	212.8	215.6	216.3	216.9
57.5°	177.6	176.9	177.6	181.0	183.1	187.9	193.5	193.5	196.2	194.2	196.2
60°	148.6	148.6	151.3	153.4	158.9	162.4	167.9	170.7	173.4	176.2	174.8
62.5°	120.9	121.6	123.7	128.5	132.0	136.8	143.0	145.8	150.6	153.4	152.0
65°	96.0	96.0	97.4	101.6	105.0	111.2	116.8	123.0	125.8	127.1	127.8
67.5°	71.8	71.2	73.9	76.7	80.2	86.4	92.6	96.0	100.9	102.3	101.6
70°	48.4	49.1	50.4	53.2	57.3	62.2	69.1	71.8	74.6	76.0	74.6
72.5°	30.4	30.4	31.1	33.8	36.6	40.1	44.9	47.7	51.1	51.8	50.4
75°	13.8	13.8	15.2	16.6	18.7	21.4	24.9	26.9	29.0	31.1	31.1
77.5°	2.8	3.4	4.2	4.2	5.5	7.6	9.7	11.7	13.8	13.8	13.8
80°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1	3.4	3.4	3.4
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°	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4
2.5°	468.4	472.6	468.4	466.4	469.2	468.4	466.4	467.1
5°	466.4	467.8	469.2	463.6	467.1	467.8	466.4	465.0
7.5°	464.3	465.0	464.3	462.9	462.9	462.9	464.3	464.3
10°	463.6	461.5	458.1	456.0	458.1	458.1	457.4	462.9
12.5°	454.6	457.4	455.3	451.2	455.3	454.6	454.6	456.0
15°	447.7	447.7	449.1	443.6	446.3	445.7	445.7	447.0
17.5°	440.8	440.8	440.1	438.7	438.1	440.1	438.1	441.5
20°	431.2	432.5	436.7	429.8	431.8	429.8	429.8	425.6
22.5°	419.4	426.3	422.8	422.2	421.5	422.2	423.5	418.7
25°	411.8	411.8	413.2	409.0	409.0	410.4	409.7	408.3
27.5°	401.4	400.7	400.1	398.7	402.1	399.4	399.4	399.4
30°	386.9	389.0	388.3	384.8	389.0	387.6	385.5	381.4
32.5°	374.5	377.3	373.1	372.4	371.7	372.4	373.1	369.7
35°	359.3	360.0	360.0	357.2	357.9	357.2	355.8	356.5
37.5°	345.5	344.8	341.3	339.9	340.6	340.6	341.3	339.9
40°	326.1	328.2	328.2	323.4	324.7	323.4	323.4	322.7
42.5°	310.2	310.9	308.8	306.8	306.8	306.1	304.7	306.1
45°	293.7	292.9	290.9	288.8	288.8	288.1	286.7	289.5
47.5°	275.0	273.6	272.9	270.2	270.2	266.0	266.7	269.5
50°	256.3	254.9	252.2	250.8	248.7	246.7	246.0	246.0
52.5°	234.2	234.2	231.5	228.7	228.0	226.6	225.2	225.9
55°	214.9	214.9	212.8	208.0	205.2	201.8	199.7	199.0
57.5°	192.8	191.4	187.2	181.7	178.9	176.2	174.1	174.1
60°	170.7	167.2	163.1	158.2	153.4	148.6	147.2	146.5
62.5°	146.5	143.0	135.4	129.9	126.4	123.7	120.9	123.0
65°	122.3	117.5	110.6	105.0	101.6	97.4	95.3	95.3
67.5°	96.7	91.9	85.0	79.5	76.0	73.2	70.5	70.5
70°	71.2	67.7	61.5	56.7	53.9	49.7	49.1	49.1
72.5°	48.4	44.2	39.4	35.9	33.2	30.4	29.0	28.3
75°	26.9	24.2	20.7	18.7	15.9	14.5	13.1	13.1
77.5°	11.1	9.0	6.9	5.5	4.2	3.4	2.8	3.4
80°	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
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)