

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 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 EX6C109040 6LBCSSQMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

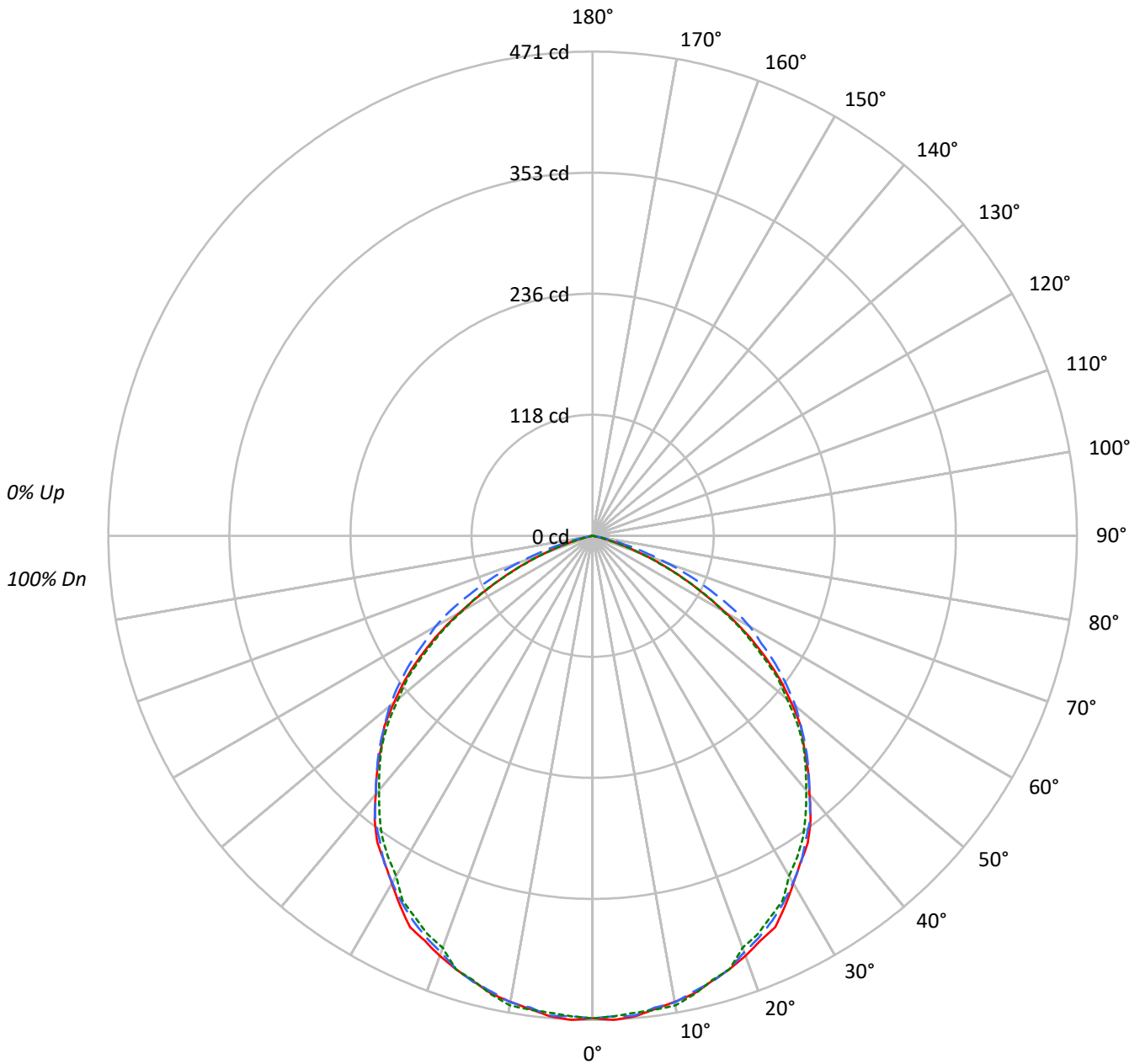
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1133.0 lumens
Efficiency: N/A
Efficacy: 116.2 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									
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°	20206	20206	20206
5°	20283	20253	20132
10°	20124	20155	20277
15°	19992	20023	19960
20°	19917	19757	19537
25°	19958	19630	19435
30°	19409	19374	18997
35°	19174	18990	18770
40°	18441	18441	18166
45°	17701	17871	17658
50°	16873	17248	16505
55°	15328	16267	14961
60°	12813	15199	12633
65°	9801	12969	9729
70°	6105	9580	6181
75°	2296	5190	2179
80°	174	868	174
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	3.9
10°-20°	126.6	11.2
20°-30°	190.4	16.8
30°-40°	225.3	19.9
40°-50°	224.8	19.8
50°-60°	186.4	16.5
60°-70°	108.9	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°	361.4	31.9
0°-40°	586.7	51.8
0°-60°	998.0	88.1
0°-90°	1133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	469	467	469	467	466	44
15°	448	448	449	447	448	127
25°	420	415	413	412	409	192
35°	365	361	361	359	357	227
45°	291	291	294	290	290	225
55°	204	211	217	211	199	181
65°	96	108	127	108	96	96
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°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3
2.5°	471.4	468.6	470.7	466.5	469.3	466.5	467.2	465.8	468.6	467.9	467.2
5°	469.3	470.0	468.6	470.0	467.9	465.8	467.9	466.5	462.4	468.6	467.2
7.5°	464.4	465.1	463.8	465.8	464.4	461.7	467.2	463.0	462.4	463.0	465.8
10°	460.3	461.7	461.0	460.3	461.0	461.0	459.6	457.5	459.6	461.0	460.3
12.5°	456.1	458.2	456.8	455.5	454.1	454.7	456.1	452.7	452.7	454.1	458.2
15°	448.5	449.9	450.6	447.8	447.8	448.5	451.3	445.7	448.5	449.2	449.9
17.5°	442.3	443.0	443.0	440.9	442.3	440.2	442.3	439.5	442.3	441.6	443.0
20°	434.7	436.1	434.7	434.7	433.3	434.0	434.0	434.0	431.9	431.2	432.6
22.5°	426.4	426.4	425.0	426.4	425.0	424.3	427.8	422.2	427.8	422.9	427.1
25°	420.1	416.7	414.6	413.9	416.7	413.9	415.3	413.2	414.6	413.2	413.9
27.5°	405.6	403.5	402.8	403.5	403.5	402.8	405.6	398.0	402.8	402.1	402.1
30°	390.4	390.4	391.8	390.4	391.8	389.7	392.5	386.2	390.4	389.7	390.4
32.5°	376.5	377.2	377.2	378.6	376.5	377.2	377.2	375.2	376.5	377.2	375.8
35°	364.8	361.3	361.3	361.3	361.3	361.3	362.7	360.6	362.7	361.3	361.3
37.5°	348.2	344.7	344.7	344.0	347.5	345.4	348.8	346.1	346.1	347.5	347.5
40°	328.1	329.5	327.4	330.1	329.5	326.7	332.9	328.8	331.5	328.1	330.9
42.5°	310.1	310.8	310.1	309.4	312.2	311.5	314.2	311.5	310.8	310.8	315.6
45°	290.7	290.7	290.7	292.8	290.7	291.4	294.2	292.8	294.2	293.5	298.3
47.5°	274.8	271.3	270.6	274.8	274.1	274.8	274.8	275.5	276.2	274.8	276.9
50°	251.9	250.6	250.6	251.3	251.9	253.3	255.4	256.8	255.4	257.5	258.2
52.5°	229.8	228.4	229.1	231.9	233.2	232.6	236.0	236.7	236.0	237.4	237.4
55°	204.2	202.8	204.9	208.4	210.4	212.5	215.9	213.2	215.9	216.7	217.3
57.5°	177.9	177.2	177.9	181.3	183.4	188.3	193.8	193.8	196.6	194.5	196.6
60°	148.8	148.8	151.6	153.7	159.2	162.7	168.2	171.0	173.7	176.5	175.1
62.5°	121.1	121.8	123.9	128.7	132.2	137.1	143.3	146.0	150.9	153.7	152.3
65°	96.2	96.2	97.6	101.7	105.2	111.4	117.0	123.2	126.0	127.3	128.1
67.5°	72.0	71.3	74.1	76.8	80.3	86.5	92.8	96.2	101.1	102.4	101.7
70°	48.5	49.1	50.5	53.3	57.4	62.3	69.2	72.0	74.7	76.1	74.7
72.5°	30.4	30.4	31.2	33.9	36.7	40.1	45.0	47.8	51.2	51.9	50.5
75°	13.8	13.8	15.2	16.6	18.7	21.5	24.9	27.0	29.1	31.2	31.2
77.5°	2.8	3.5	4.2	4.2	5.5	7.6	9.7	11.8	13.8	13.8	13.8
80°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1	3.5	3.5	3.5
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°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3
2.5°	469.3	473.4	469.3	467.2	470.0	469.3	467.2	467.9
5°	467.2	468.6	470.0	464.4	467.9	468.6	467.2	465.8
7.5°	465.1	465.8	465.1	463.8	463.8	463.8	465.1	465.1
10°	464.4	462.4	458.9	456.8	458.9	458.9	458.2	463.8
12.5°	455.5	458.2	456.1	452.0	456.1	455.5	455.5	456.8
15°	448.5	448.5	449.9	444.4	447.1	446.4	446.4	447.8
17.5°	441.6	441.6	440.9	439.5	438.8	440.9	438.8	442.3
20°	431.9	433.3	437.4	430.5	432.6	430.5	430.5	426.4
22.5°	420.1	427.1	423.6	422.9	422.2	422.9	424.3	419.5
25°	412.5	412.5	413.9	409.8	409.8	411.2	410.4	409.1
27.5°	402.1	401.4	400.8	399.4	402.8	400.1	400.1	400.1
30°	387.6	389.7	389.0	385.5	389.7	388.3	386.2	382.1
32.5°	375.2	377.9	373.8	373.1	372.4	373.1	373.8	370.3
35°	359.9	360.6	360.6	357.8	358.5	357.8	356.5	357.1
37.5°	346.1	345.4	341.9	340.5	341.2	341.2	341.9	340.5
40°	326.7	328.8	328.8	323.9	325.3	323.9	323.9	323.2
42.5°	310.8	311.5	309.4	307.3	307.3	306.6	305.2	306.6
45°	294.2	293.5	291.4	289.3	289.3	288.6	287.2	290.0
47.5°	275.5	274.1	273.4	270.6	270.6	266.5	267.2	269.9
50°	256.8	255.4	252.7	251.3	249.2	247.1	246.4	246.4
52.5°	234.6	234.6	231.9	229.1	228.4	227.0	225.6	226.3
55°	215.3	215.3	213.2	208.4	205.6	202.1	200.0	199.3
57.5°	193.1	191.7	187.6	182.0	179.3	176.5	174.4	174.4
60°	171.0	167.5	163.3	158.5	153.7	148.8	147.4	146.7
62.5°	146.7	143.3	135.7	130.1	126.7	123.9	121.1	123.2
65°	122.5	117.7	110.7	105.2	101.7	97.6	95.5	95.5
67.5°	96.9	92.1	85.1	79.6	76.1	73.4	70.6	70.6
70°	71.3	67.8	61.6	56.8	54.0	49.8	49.1	49.1
72.5°	48.5	44.3	39.5	36.0	33.2	30.4	29.1	28.4
75°	27.0	24.2	20.8	18.7	15.9	14.5	13.1	13.1
77.5°	11.1	9.0	6.9	5.5	4.2	3.5	2.8	3.5
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)