

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 EX6C109027 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 EX6C109027 6LBCSSQMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

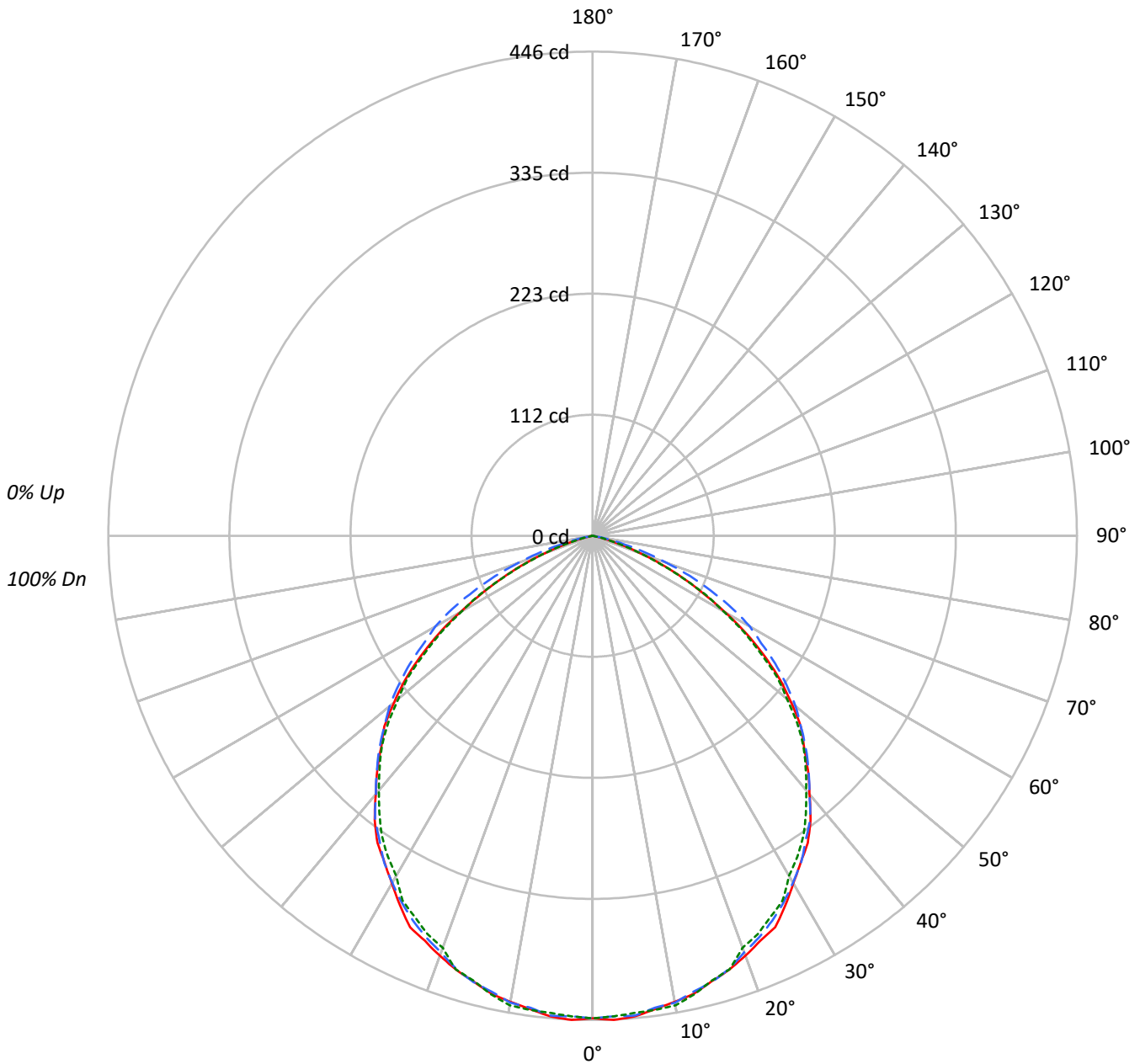
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1073.0 lumens
Efficiency: N/A
Efficacy: 110.1 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

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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°	19134	19134	19134
5°	19207	19181	19069
10°	19057	19088	19202
15°	18935	18962	18904
20°	18859	18712	18502
25°	18903	18589	18404
30°	18380	18345	17987
35°	18155	17986	17776
40°	17463	17463	17204
45°	16763	16921	16726
50°	15982	16337	15634
55°	14518	15403	14172
60°	12133	14389	11969
65°	9281	12287	9220
70°	5778	9076	5854
75°	2179	4907	2063
80°	149	818	149
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	3.9
10°-20°	119.9	11.2
20°-30°	180.4	16.8
30°-40°	213.4	19.9
40°-50°	212.9	19.8
50°-60°	176.6	16.5
60°-70°	103.2	9.6
70°-80°	24.6	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°	342.3	31.9
0°-40°	555.6	51.8
0°-60°	945.1	88.1
0°-90°	1073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	444	442	444	442	441	42
15°	425	424	425	423	424	120
25°	398	393	391	390	387	182
35°	345	342	342	340	338	215
45°	275	276	278	275	275	213
55°	193	200	205	200	189	172
65°	91	103	121	102	90	91
75°	13	19	30	19	12	18
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°	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4
2.5°	446.4	443.8	445.7	441.8	444.4	441.8	442.5	441.2	443.8	443.1	442.5
5°	444.4	445.1	443.8	445.1	443.1	441.2	443.1	441.8	437.9	443.8	442.5
7.5°	439.8	440.5	439.2	441.2	439.8	437.2	442.5	438.5	437.9	438.5	441.2
10°	435.9	437.2	436.6	435.9	436.6	436.6	435.2	433.3	435.2	436.6	435.9
12.5°	432.0	433.9	432.6	431.3	430.0	430.7	432.0	428.7	428.7	430.0	433.9
15°	424.8	426.1	426.7	424.1	424.1	424.8	427.4	422.1	424.8	425.4	426.1
17.5°	418.9	419.5	419.5	417.5	418.9	416.9	418.9	416.2	418.9	418.2	419.5
20°	411.6	413.0	411.6	411.6	410.4	411.0	411.0	411.0	409.0	408.4	409.7
22.5°	403.8	403.8	402.5	403.8	402.5	401.8	405.1	399.9	405.1	400.5	404.5
25°	397.9	394.6	392.7	392.0	394.6	392.0	393.3	391.3	392.7	391.3	392.0
27.5°	384.1	382.2	381.5	382.2	382.2	381.5	384.1	376.9	381.5	380.8	380.8
30°	369.7	369.7	371.0	369.7	371.0	369.0	371.7	365.8	369.7	369.0	369.7
32.5°	356.6	357.2	357.2	358.6	356.6	357.2	357.2	355.3	356.6	357.2	355.9
35°	345.4	342.2	342.2	342.2	342.2	342.2	343.5	341.5	343.5	342.2	342.2
37.5°	329.7	326.4	326.4	325.8	329.1	327.1	330.4	327.7	327.7	329.1	329.1
40°	310.7	312.0	310.1	312.7	312.0	309.4	315.3	311.4	314.0	310.7	313.3
42.5°	293.7	294.3	293.7	293.0	295.6	295.0	297.6	295.0	294.3	294.3	298.9
45°	275.3	275.3	275.3	277.3	275.3	276.0	278.6	277.3	278.6	277.9	282.5
47.5°	260.2	256.9	256.3	260.2	259.6	260.2	260.2	260.9	261.5	260.2	262.2
50°	238.6	237.3	237.3	238.0	238.6	239.9	241.9	243.2	241.9	243.9	244.5
52.5°	217.6	216.3	217.0	219.6	220.9	220.3	223.5	224.2	223.5	224.8	224.8
55°	193.4	192.1	194.0	197.3	199.3	201.2	204.5	201.9	204.5	205.2	205.8
57.5°	168.5	167.8	168.5	171.7	173.7	178.3	183.5	183.5	186.2	184.2	186.2
60°	140.9	140.9	143.6	145.5	150.8	154.1	159.3	161.9	164.5	167.1	165.9
62.5°	114.7	115.4	117.3	121.9	125.2	129.8	135.7	138.3	142.9	145.5	144.2
65°	91.1	91.1	92.4	96.4	99.6	105.5	110.8	116.7	119.3	120.6	121.3
67.5°	68.2	67.5	70.1	72.8	76.0	81.9	87.8	91.1	95.7	97.0	96.4
70°	45.9	46.5	47.9	50.5	54.4	59.0	65.6	68.2	70.8	72.1	70.8
72.5°	28.8	28.8	29.5	32.1	34.7	38.0	42.6	45.2	48.5	49.2	47.9
75°	13.1	13.1	14.4	15.7	17.7	20.3	23.6	25.6	27.5	29.5	29.5
77.5°	2.6	3.3	3.9	3.9	5.2	7.2	9.2	11.1	13.1	13.1	13.1
80°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	2.0	3.3	3.3	3.3
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°	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4
2.5°	444.4	448.4	444.4	442.5	445.1	444.4	442.5	443.1
5°	442.5	443.8	445.1	439.8	443.1	443.8	442.5	441.2
7.5°	440.5	441.2	440.5	439.2	439.2	439.2	440.5	440.5
10°	439.8	437.9	434.6	432.6	434.6	434.6	433.9	439.2
12.5°	431.3	433.9	432.0	428.0	432.0	431.3	431.3	432.6
15°	424.8	424.8	426.1	420.8	423.4	422.8	422.8	424.1
17.5°	418.2	418.2	417.5	416.2	415.6	417.5	415.6	418.9
20°	409.0	410.4	414.3	407.7	409.7	407.7	407.7	403.8
22.5°	397.9	404.5	401.2	400.5	399.9	400.5	401.8	397.2
25°	390.7	390.7	392.0	388.1	388.1	389.4	388.7	387.4
27.5°	380.8	380.2	379.5	378.2	381.5	378.9	378.9	378.9
30°	367.1	369.0	368.4	365.1	369.0	367.7	365.8	361.8
32.5°	355.3	357.9	354.0	353.3	352.7	353.3	354.0	350.7
35°	340.9	341.5	341.5	338.9	339.5	338.9	337.6	338.2
37.5°	327.7	327.1	323.8	322.5	323.2	323.2	323.8	322.5
40°	309.4	311.4	311.4	306.8	308.1	306.8	306.8	306.1
42.5°	294.3	295.0	293.0	291.0	291.0	290.4	289.1	290.4
45°	278.6	277.9	276.0	274.0	274.0	273.3	272.0	274.7
47.5°	260.9	259.6	258.9	256.3	256.3	252.4	253.0	255.6
50°	243.2	241.9	239.3	238.0	236.0	234.0	233.4	233.4
52.5°	222.2	222.2	219.6	217.0	216.3	215.0	213.7	214.4
55°	203.9	203.9	201.9	197.3	194.7	191.4	189.4	188.8
57.5°	182.9	181.6	177.6	172.4	169.8	167.1	165.2	165.2
60°	161.9	158.6	154.7	150.1	145.5	140.9	139.6	139.0
62.5°	139.0	135.7	128.5	123.2	120.0	117.3	114.7	116.7
65°	116.0	111.4	104.9	99.6	96.4	92.4	90.5	90.5
67.5°	91.8	87.2	80.6	75.4	72.1	69.5	66.9	66.9
70°	67.5	64.2	58.3	53.8	51.1	47.2	46.5	46.5
72.5°	45.9	42.0	37.4	34.1	31.5	28.8	27.5	26.9
75°	25.6	22.9	19.7	17.7	15.1	13.8	12.4	12.4
77.5°	10.5	8.5	6.5	5.2	3.9	3.3	2.6	3.3
80°	2.0	1.3	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)