

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 EX6C109030 6LBPSSQMW**

Issue Date: 2/18/2022



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: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C10D010 EX6C109030 6LBPSSQMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBPSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

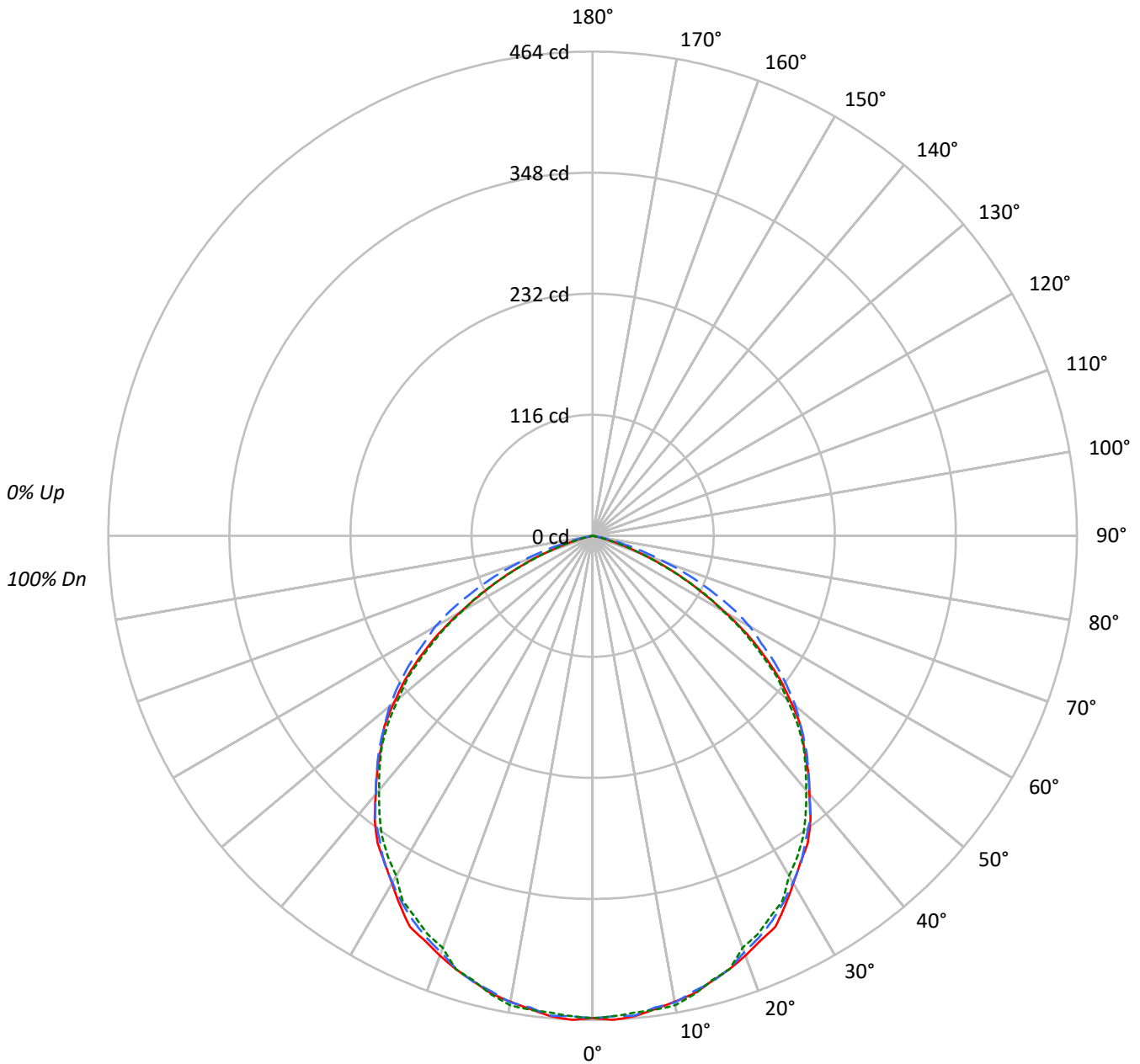
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1116.0 lumens
Efficiency: N/A
Efficacy: 113.9 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): 9.8
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 EX6C109030 6LBPSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBPSSQMW

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°	19900	19900	19900
5°	19976	19950	19829
10°	19823	19853	19971
15°	19693	19724	19662
20°	19615	19459	19244
25°	19658	19335	19140
30°	19116	19081	18708
35°	18885	18707	18491
40°	18166	18166	17896
45°	17439	17603	17396
50°	16625	16987	16257
55°	15096	16019	14743
60°	12624	14966	12443
65°	9658	12776	9587
70°	6005	9441	6093
75°	2262	5107	2146
80°	174	843	174
85°	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBPSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	3.9
10°-20°	124.7	11.2
20°-30°	187.6	16.8
30°-40°	221.9	19.9
40°-50°	221.5	19.8
50°-60°	183.6	16.5
60°-70°	107.3	9.6
70°-80°	25.5	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°	356.0	31.9
0°-40°	577.9	51.8
0°-60°	983.0	88.1
0°-90°	1116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	462	462	462	462	462	
5°	462	460	462	460	459	44
15°	442	441	442	440	441	125
25°	414	409	407	406	403	189
35°	359	356	356	354	352	223
45°	286	287	289	286	286	222
55°	201	208	213	208	196	179
65°	95	107	125	106	94	94
75°	14	20	31	19	13	18
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBPSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	464.3	461.6	463.6	459.5	462.2	459.5	460.2	458.8	461.6	460.9	460.2
5°	462.2	462.9	461.6	462.9	460.9	458.8	460.9	459.5	455.4	461.6	460.2
7.5°	457.5	458.2	456.8	458.8	457.5	454.7	460.2	456.1	455.4	456.1	458.8
10°	453.4	454.7	454.1	453.4	454.1	454.1	452.7	450.7	452.7	454.1	453.4
12.5°	449.3	451.3	450.0	448.6	447.3	447.9	449.3	445.9	445.9	447.3	451.3
15°	441.8	443.1	443.8	441.1	441.1	441.8	444.5	439.0	441.8	442.5	443.1
17.5°	435.6	436.3	436.3	434.3	435.6	433.6	435.6	432.9	435.6	435.0	436.3
20°	428.1	429.5	428.1	428.1	426.8	427.5	427.5	427.5	425.4	424.7	426.1
22.5°	420.0	420.0	418.6	420.0	418.6	417.9	421.3	415.9	421.3	416.6	420.7
25°	413.8	410.4	408.4	407.7	410.4	407.7	409.1	407.0	408.4	407.0	407.7
27.5°	399.5	397.5	396.8	397.5	397.5	396.8	399.5	392.0	396.8	396.1	396.1
30°	384.5	384.5	385.9	384.5	385.9	383.8	386.6	380.4	384.5	383.8	384.5
32.5°	370.9	371.6	371.6	372.9	370.9	371.6	371.6	369.5	370.9	371.6	370.2
35°	359.3	355.9	355.9	355.9	355.9	355.9	357.2	355.2	357.2	355.9	355.9
37.5°	342.9	339.5	339.5	338.8	342.2	340.2	343.6	340.9	340.9	342.2	342.2
40°	323.2	324.5	322.5	325.2	324.5	321.8	327.9	323.9	326.6	323.2	325.9
42.5°	305.4	306.1	305.4	304.7	307.5	306.8	309.5	306.8	306.1	306.1	310.9
45°	286.4	286.4	286.4	288.4	286.4	287.0	289.8	288.4	289.8	289.1	293.8
47.5°	270.7	267.2	266.6	270.7	270.0	270.7	270.7	271.3	272.0	270.7	272.7
50°	248.2	246.8	246.8	247.5	248.2	249.5	251.6	252.9	251.6	253.6	254.3
52.5°	226.3	225.0	225.7	228.4	229.7	229.1	232.5	233.2	232.5	233.9	233.9
55°	201.1	199.8	201.8	205.2	207.3	209.3	212.7	210.0	212.7	213.4	214.1
57.5°	175.2	174.5	175.2	178.6	180.7	185.4	190.9	190.9	193.6	191.6	193.6
60°	146.6	146.6	149.3	151.4	156.8	160.2	165.7	168.4	171.1	173.8	172.5
62.5°	119.3	120.0	122.0	126.8	130.2	135.0	141.1	143.8	148.6	151.4	150.0
65°	94.8	94.8	96.1	100.2	103.6	109.8	115.2	121.4	124.1	125.4	126.1
67.5°	70.9	70.2	73.0	75.7	79.1	85.2	91.4	94.8	99.5	100.9	100.2
70°	47.7	48.4	49.8	52.5	56.6	61.4	68.2	70.9	73.6	75.0	73.6
72.5°	30.0	30.0	30.7	33.4	36.1	39.5	44.3	47.0	50.4	51.1	49.8
75°	13.6	13.6	15.0	16.3	18.4	21.1	24.6	26.6	28.6	30.7	30.7
77.5°	2.7	3.4	4.1	4.1	5.4	7.5	9.5	11.6	13.6	13.6	13.6
80°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.0	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



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBPSSQMW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	462.2	466.3	462.2	460.2	462.9	462.2	460.2	460.9
5°	460.2	461.6	462.9	457.5	460.9	461.6	460.2	458.8
7.5°	458.2	458.8	458.2	456.8	456.8	456.8	458.2	458.2
10°	457.5	455.4	452.0	450.0	452.0	452.0	451.3	456.8
12.5°	448.6	451.3	449.3	445.2	449.3	448.6	448.6	450.0
15°	441.8	441.8	443.1	437.7	440.4	439.7	439.7	441.1
17.5°	435.0	435.0	434.3	432.9	432.2	434.3	432.2	435.6
20°	425.4	426.8	430.9	424.1	426.1	424.1	424.1	420.0
22.5°	413.8	420.7	417.2	416.6	415.9	416.6	417.9	413.2
25°	406.3	406.3	407.7	403.6	403.6	405.0	404.3	402.9
27.5°	396.1	395.4	394.7	393.4	396.8	394.1	394.1	394.1
30°	381.8	383.8	383.2	379.7	383.8	382.5	380.4	376.3
32.5°	369.5	372.3	368.2	367.5	366.8	367.5	368.2	364.8
35°	354.5	355.2	355.2	352.5	353.1	352.5	351.1	351.8
37.5°	340.9	340.2	336.8	335.4	336.1	336.1	336.8	335.4
40°	321.8	323.9	323.9	319.1	320.4	319.1	319.1	318.4
42.5°	306.1	306.8	304.7	302.7	302.7	302.0	300.7	302.0
45°	289.8	289.1	287.0	285.0	285.0	284.3	282.9	285.7
47.5°	271.3	270.0	269.3	266.6	266.6	262.5	263.2	265.9
50°	252.9	251.6	248.9	247.5	245.4	243.4	242.7	242.7
52.5°	231.1	231.1	228.4	225.7	225.0	223.6	222.2	222.9
55°	212.0	212.0	210.0	205.2	202.5	199.1	197.0	196.4
57.5°	190.2	188.8	184.7	179.3	176.6	173.8	171.8	171.8
60°	168.4	165.0	160.9	156.1	151.4	146.6	145.2	144.5
62.5°	144.5	141.1	133.6	128.2	124.8	122.0	119.3	121.4
65°	120.7	115.9	109.1	103.6	100.2	96.1	94.1	94.1
67.5°	95.4	90.7	83.9	78.4	75.0	72.3	69.6	69.6
70°	70.2	66.8	60.7	55.9	53.2	49.1	48.4	48.4
72.5°	47.7	43.6	38.9	35.5	32.7	30.0	28.6	28.0
75°	26.6	23.9	20.5	18.4	15.7	14.3	12.9	12.9
77.5°	10.9	8.9	6.8	5.4	4.1	3.4	2.7	3.4
80°	2.0	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)