

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

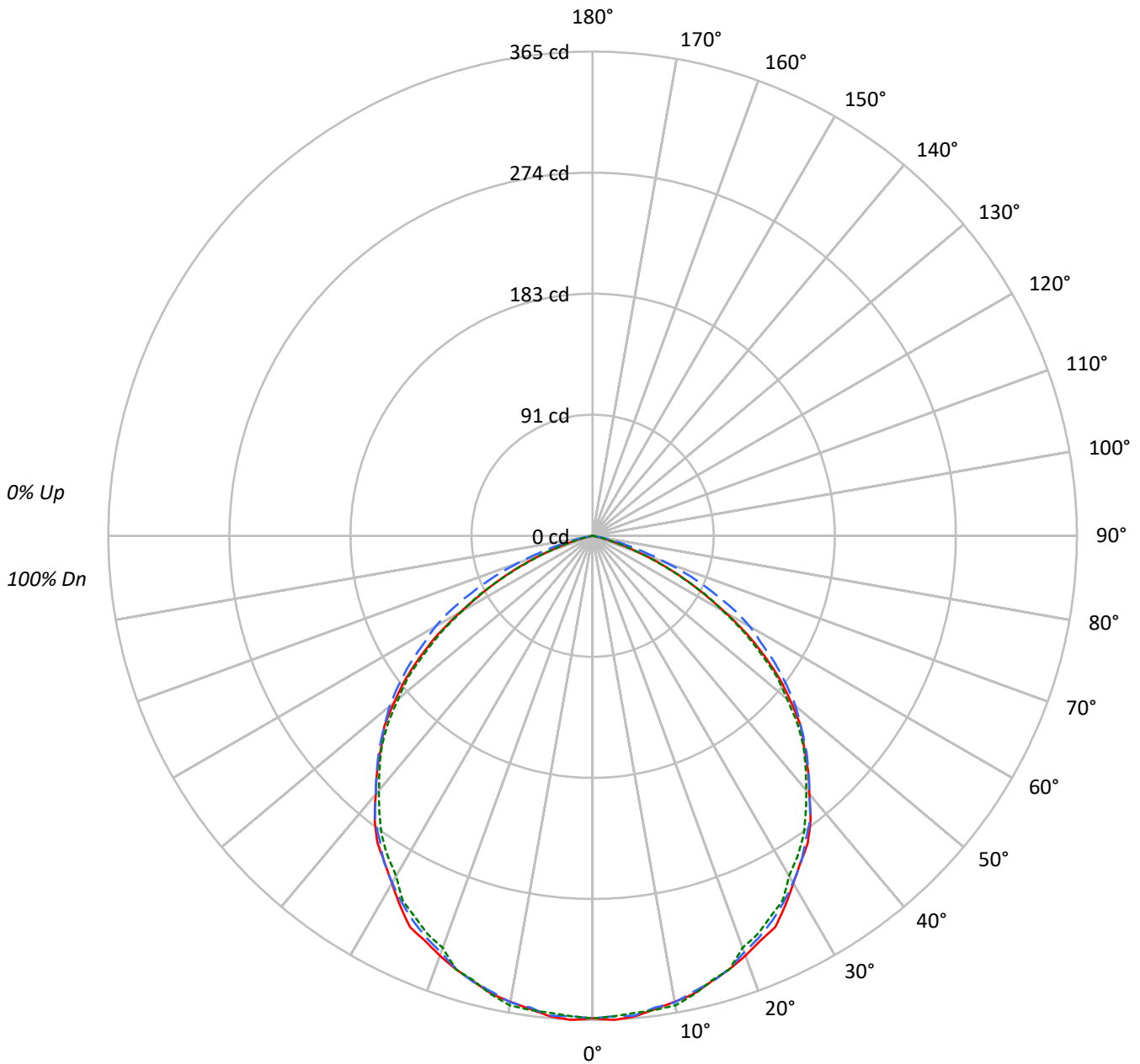
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 878.0 lumens
Efficiency: N/A
Efficacy: 90.1 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				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°	15659	15659	15659
5°	15719	15693	15602
10°	15595	15617	15713
15°	15494	15516	15467
20°	15432	15313	15139
25°	15468	15212	15060
30°	15039	15014	14721
35°	14859	14717	14549
40°	14287	14287	14079
45°	13718	13846	13682
50°	13075	13363	12794
55°	11875	12603	11598
60°	9929	11780	9791
65°	7600	10055	7539
70°	4733	7427	4796
75°	1780	4009	1697
80°	124	669	124
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	3.9
10°-20°	98.1	11.2
20°-30°	147.6	16.8
30°-40°	174.6	19.9
40°-50°	174.2	19.8
50°-60°	144.5	16.5
60°-70°	84.4	9.6
70°-80°	20.1	2.3
80°-90°	0.1	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°	280.1	31.9
0°-40°	454.6	51.8
0°-60°	773.3	88.1
0°-90°	878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	364	364	364	364	364	
5°	364	362	363	362	361	34
15°	348	347	348	346	347	98
25°	326	322	320	319	317	149
35°	283	280	280	278	277	176
45°	225	226	227	225	225	174
55°	158	164	168	163	154	140
65°	75	84	99	84	74	74
75°	11	16	24	15	10	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°	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7
2.5°	365.3	363.1	364.7	361.5	363.7	361.5	362.1	361.0	363.1	362.6	362.1
5°	363.7	364.2	363.1	364.2	362.6	361.0	362.6	361.5	358.3	363.1	362.1
7.5°	359.9	360.5	359.4	361.0	359.9	357.8	362.1	358.8	358.3	358.8	361.0
10°	356.7	357.8	357.2	356.7	357.2	357.2	356.1	354.5	356.1	357.2	356.7
12.5°	353.5	355.1	354.0	352.9	351.9	352.4	353.5	350.8	350.8	351.9	355.1
15°	347.6	348.6	349.2	347.0	347.0	347.6	349.7	345.4	347.6	348.1	348.6
17.5°	342.7	343.3	343.3	341.7	342.7	341.1	342.7	340.6	342.7	342.2	343.3
20°	336.8	337.9	336.8	336.8	335.8	336.3	336.3	336.3	334.7	334.2	335.2
22.5°	330.4	330.4	329.3	330.4	329.3	328.8	331.5	327.2	331.5	327.7	331.0
25°	325.6	322.9	321.3	320.7	322.9	320.7	321.8	320.2	321.3	320.2	320.7
27.5°	314.3	312.7	312.2	312.7	312.7	312.2	314.3	308.4	312.2	311.6	311.6
30°	302.5	302.5	303.6	302.5	303.6	302.0	304.1	299.3	302.5	302.0	302.5
32.5°	291.8	292.3	292.3	293.4	291.8	292.3	292.3	290.7	291.8	292.3	291.2
35°	282.7	280.0	280.0	280.0	280.0	280.0	281.1	279.5	281.1	280.0	280.0
37.5°	269.8	267.1	267.1	266.6	269.3	267.7	270.3	268.2	268.2	269.3	269.3
40°	254.2	255.3	253.7	255.8	255.3	253.2	258.0	254.8	256.9	254.2	256.4
42.5°	240.3	240.8	240.3	239.8	241.9	241.4	243.5	241.4	240.8	240.8	244.6
45°	225.3	225.3	225.3	226.9	225.3	225.8	228.0	226.9	228.0	227.4	231.2
47.5°	212.9	210.3	209.7	212.9	212.4	212.9	212.9	213.5	214.0	212.9	214.6
50°	195.2	194.2	194.2	194.7	195.2	196.3	197.9	199.0	197.9	199.5	200.1
52.5°	178.1	177.0	177.5	179.7	180.8	180.2	182.9	183.4	182.9	184.0	184.0
55°	158.2	157.2	158.8	161.5	163.1	164.7	167.3	165.2	167.3	167.9	168.4
57.5°	137.8	137.3	137.8	140.5	142.1	145.9	150.2	150.2	152.3	150.7	152.3
60°	115.3	115.3	117.5	119.1	123.4	126.1	130.3	132.5	134.6	136.8	135.7
62.5°	93.9	94.4	96.0	99.8	102.4	106.2	111.0	113.2	116.9	119.1	118.0
65°	74.6	74.6	75.6	78.8	81.5	86.3	90.7	95.5	97.6	98.7	99.2
67.5°	55.8	55.2	57.4	59.5	62.2	67.1	71.9	74.6	78.3	79.4	78.8
70°	37.6	38.1	39.2	41.3	44.5	48.3	53.6	55.8	57.9	59.0	57.9
72.5°	23.6	23.6	24.1	26.3	28.4	31.1	34.9	37.0	39.7	40.2	39.2
75°	10.7	10.7	11.8	12.9	14.5	16.6	19.3	20.9	22.5	24.1	24.1
77.5°	2.2	2.7	3.2	3.2	4.3	5.9	7.5	9.1	10.7	10.7	10.7
80°	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.7	2.7	2.7
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°	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7
2.5°	363.7	366.9	363.7	362.1	364.2	363.7	362.1	362.6
5°	362.1	363.1	364.2	359.9	362.6	363.1	362.1	361.0
7.5°	360.5	361.0	360.5	359.4	359.4	359.4	360.5	360.5
10°	359.9	358.3	355.6	354.0	355.6	355.6	355.1	359.4
12.5°	352.9	355.1	353.5	350.2	353.5	352.9	352.9	354.0
15°	347.6	347.6	348.6	344.4	346.5	346.0	346.0	347.0
17.5°	342.2	342.2	341.7	340.6	340.1	341.7	340.1	342.7
20°	334.7	335.8	339.0	333.6	335.2	333.6	333.6	330.4
22.5°	325.6	331.0	328.3	327.7	327.2	327.7	328.8	325.0
25°	319.7	319.7	320.7	317.5	317.5	318.6	318.1	317.0
27.5°	311.6	311.1	310.6	309.5	312.2	310.0	310.0	310.0
30°	300.4	302.0	301.5	298.8	302.0	300.9	299.3	296.1
32.5°	290.7	292.9	289.6	289.1	288.6	289.1	289.6	287.0
35°	278.9	279.5	279.5	277.3	277.8	277.3	276.2	276.8
37.5°	268.2	267.7	265.0	263.9	264.4	264.4	265.0	263.9
40°	253.2	254.8	254.8	251.0	252.1	251.0	251.0	250.5
42.5°	240.8	241.4	239.8	238.2	238.2	237.6	236.5	237.6
45°	228.0	227.4	225.8	224.2	224.2	223.7	222.6	224.7
47.5°	213.5	212.4	211.9	209.7	209.7	206.5	207.0	209.2
50°	199.0	197.9	195.8	194.7	193.1	191.5	191.0	191.0
52.5°	181.8	181.8	179.7	177.5	177.0	175.9	174.8	175.4
55°	166.8	166.8	165.2	161.5	159.3	156.6	155.0	154.5
57.5°	149.7	148.6	145.3	141.1	138.9	136.8	135.2	135.2
60°	132.5	129.8	126.6	122.8	119.1	115.3	114.2	113.7
62.5°	113.7	111.0	105.1	100.8	98.2	96.0	93.9	95.5
65°	94.9	91.2	85.8	81.5	78.8	75.6	74.0	74.0
67.5°	75.1	71.3	66.0	61.7	59.0	56.8	54.7	54.7
70°	55.2	52.6	47.7	44.0	41.8	38.6	38.1	38.1
72.5°	37.6	34.3	30.6	27.9	25.7	23.6	22.5	22.0
75°	20.9	18.8	16.1	14.5	12.3	11.3	10.2	10.2
77.5°	8.6	7.0	5.4	4.3	3.2	2.7	2.2	2.7
80°	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
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)