

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 6LBCSSQMMS**

Issue Date: 5/25/2022

**Test Information**

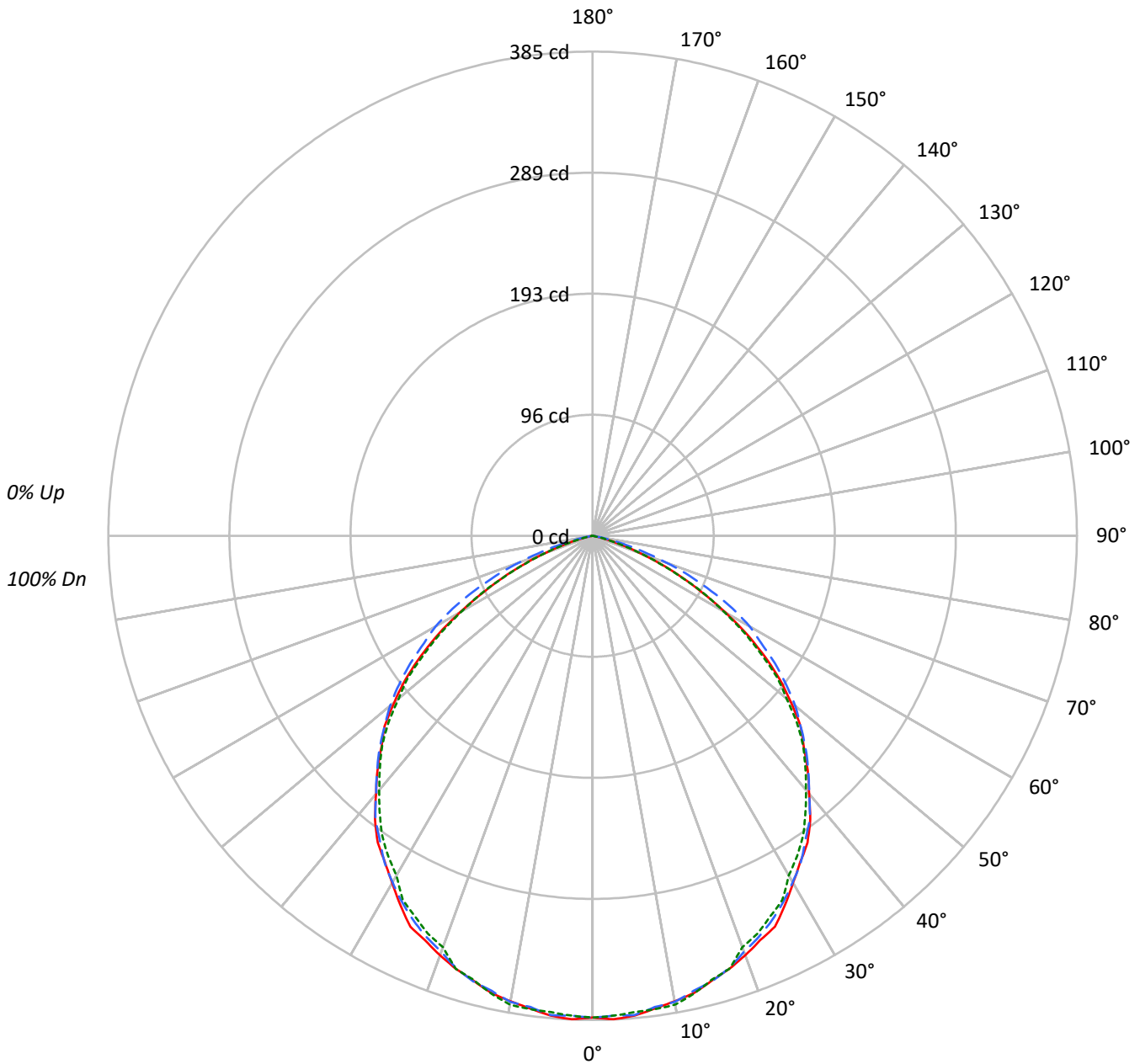
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/25/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109035 6LBCSSQMMS  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBCSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 925.0 lumens  
Efficiency: N/A  
Efficacy: 94.9 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): 9.75  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87			87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75			75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64			64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56			56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49			49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43			43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38			38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34			34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31			31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28			28

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16495	16495	16495
5°	16558	16536	16437
10°	16430	16452	16552
15°	16323	16350	16296
20°	16261	16128	15950
25°	16295	16029	15867
30°	15845	15815	15507
35°	15653	15506	15327
40°	15052	15052	14833
45°	14449	14589	14419
50°	13778	14080	13477
55°	12513	13279	12213
60°	10463	12409	10316
65°	8008	10595	7947
70°	4985	7830	5048
75°	1880	4225	1780
80°	149	694	149
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.2	3.9
10°-20°	103.3	11.2
20°-30°	155.5	16.8
30°-40°	183.9	19.9
40°-50°	183.6	19.8
50°-60°	152.2	16.5
60°-70°	88.9	9.6
70°-80°	21.2	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°	295.0	31.9
0°-40°	479.0	51.8
0°-60°	814.7	88.1
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	383	383	383	383	383	
5°	383	381	383	381	380	36
15°	366	366	367	365	366	104
25°	343	339	337	336	334	157
35°	298	295	295	293	292	185
45°	237	238	240	237	237	184
55°	167	173	177	172	163	148
65°	79	88	104	88	78	78
75°	11	16	25	16	11	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°	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1
2.5°	384.8	382.6	384.3	380.9	383.1	380.9	381.4	380.3	382.6	382.0	381.4
5°	383.1	383.7	382.6	383.7	382.0	380.3	382.0	380.9	377.5	382.6	381.4
7.5°	379.2	379.7	378.6	380.3	379.2	376.9	381.4	378.0	377.5	378.0	380.3
10°	375.8	376.9	376.3	375.8	376.3	376.3	375.2	373.5	375.2	376.3	375.8
12.5°	372.4	374.1	372.9	371.8	370.7	371.3	372.4	369.6	369.6	370.7	374.1
15°	366.2	367.3	367.9	365.6	365.6	366.2	368.4	363.9	366.2	366.8	367.3
17.5°	361.1	361.7	361.7	360.0	361.1	359.4	361.1	358.8	361.1	360.5	361.7
20°	354.9	356.0	354.9	354.9	353.8	354.3	354.3	354.3	352.6	352.0	353.2
22.5°	348.1	348.1	347.0	348.1	347.0	346.4	349.2	344.7	349.2	345.3	348.7
25°	343.0	340.2	338.5	337.9	340.2	337.9	339.0	337.4	338.5	337.4	337.9
27.5°	331.1	329.5	328.9	329.5	329.5	328.9	331.1	324.9	328.9	328.3	328.3
30°	318.7	318.7	319.8	318.7	319.8	318.1	320.4	315.3	318.7	318.1	318.7
32.5°	307.4	308.0	308.0	309.1	307.4	308.0	308.0	306.3	307.4	308.0	306.8
35°	297.8	295.0	295.0	295.0	295.0	295.0	296.1	294.4	296.1	295.0	295.0
37.5°	284.2	281.4	281.4	280.8	283.7	282.0	284.8	282.5	282.5	283.7	283.7
40°	267.8	269.0	267.3	269.5	269.0	266.7	271.8	268.4	270.7	267.8	270.1
42.5°	253.2	253.7	253.2	252.6	254.9	254.3	256.5	254.3	253.7	253.7	257.7
45°	237.3	237.3	237.3	239.0	237.3	237.9	240.2	239.0	240.2	239.6	243.5
47.5°	224.3	221.5	221.0	224.3	223.8	224.3	224.3	224.9	225.5	224.3	226.0
50°	205.7	204.6	204.6	205.1	205.7	206.8	208.5	209.6	208.5	210.2	210.8
52.5°	187.6	186.5	187.1	189.3	190.4	189.9	192.7	193.3	192.7	193.8	193.8
55°	166.7	165.6	167.3	170.1	171.8	173.5	176.3	174.1	176.3	176.9	177.4
57.5°	145.2	144.7	145.2	148.0	149.8	153.7	158.2	158.2	160.5	158.8	160.5
60°	121.5	121.5	123.8	125.4	130.0	132.8	137.3	139.6	141.8	144.1	143.0
62.5°	98.9	99.5	101.1	105.1	107.9	111.9	117.0	119.2	123.2	125.4	124.3
65°	78.6	78.6	79.7	83.1	85.9	91.0	95.5	100.6	102.9	104.0	104.5
67.5°	58.8	58.2	60.5	62.7	65.6	70.6	75.7	78.6	82.5	83.6	83.1
70°	39.6	40.1	41.3	43.5	46.9	50.9	56.5	58.8	61.0	62.2	61.0
72.5°	24.9	24.9	25.4	27.7	29.9	32.8	36.7	39.0	41.8	42.4	41.3
75°	11.3	11.3	12.4	13.6	15.3	17.5	20.3	22.0	23.7	25.4	25.4
77.5°	2.3	2.8	3.4	3.4	4.5	6.2	7.9	9.6	11.3	11.3	11.3
80°	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.7	2.8	2.8	2.8
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°	383.1	383.1	383.1	383.1	383.1	383.1	383.1	383.1
2.5°	383.1	386.5	383.1	381.4	383.7	383.1	381.4	382.0
5°	381.4	382.6	383.7	379.2	382.0	382.6	381.4	380.3
7.5°	379.7	380.3	379.7	378.6	378.6	378.6	379.7	379.7
10°	379.2	377.5	374.7	372.9	374.7	374.7	374.1	378.6
12.5°	371.8	374.1	372.4	369.0	372.4	371.8	371.8	372.9
15°	366.2	366.2	367.3	362.8	365.0	364.5	364.5	365.6
17.5°	360.5	360.5	360.0	358.8	358.3	360.0	358.3	361.1
20°	352.6	353.8	357.1	351.5	353.2	351.5	351.5	348.1
22.5°	343.0	348.7	345.8	345.3	344.7	345.3	346.4	342.4
25°	336.8	336.8	337.9	334.5	334.5	335.7	335.1	334.0
27.5°	328.3	327.7	327.2	326.1	328.9	326.6	326.6	326.6
30°	316.5	318.1	317.6	314.7	318.1	317.0	315.3	311.9
32.5°	306.3	308.5	305.1	304.6	304.0	304.6	305.1	302.3
35°	293.8	294.4	294.4	292.2	292.7	292.2	291.0	291.6
37.5°	282.5	282.0	279.2	278.0	278.6	278.6	279.2	278.0
40°	266.7	268.4	268.4	264.5	265.6	264.5	264.5	263.9
42.5°	253.7	254.3	252.6	250.9	250.9	250.3	249.2	250.3
45°	240.2	239.6	237.9	236.2	236.2	235.6	234.5	236.8
47.5°	224.9	223.8	223.2	221.0	221.0	217.6	218.1	220.4
50°	209.6	208.5	206.3	205.1	203.4	201.7	201.2	201.2
52.5°	191.6	191.6	189.3	187.1	186.5	185.3	184.2	184.8
55°	175.7	175.7	174.1	170.1	167.8	165.0	163.3	162.7
57.5°	157.7	156.5	153.1	148.6	146.4	144.1	142.4	142.4
60°	139.6	136.8	133.4	129.4	125.4	121.5	120.4	119.8
62.5°	119.8	117.0	110.8	106.2	103.4	101.1	98.9	100.6
65°	100.0	96.1	90.4	85.9	83.1	79.7	78.0	78.0
67.5°	79.1	75.2	69.5	65.0	62.2	59.9	57.6	57.6
70°	58.2	55.4	50.3	46.3	44.1	40.7	40.1	40.1
72.5°	39.6	36.2	32.2	29.4	27.1	24.9	23.7	23.2
75°	22.0	19.8	17.0	15.3	13.0	11.9	10.7	10.7
77.5°	9.0	7.4	5.6	4.5	3.4	2.8	2.3	2.8
80°	1.7	1.1	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)