

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 6LBCSSQMMS**

Issue Date: 5/25/2022

**Test Information**

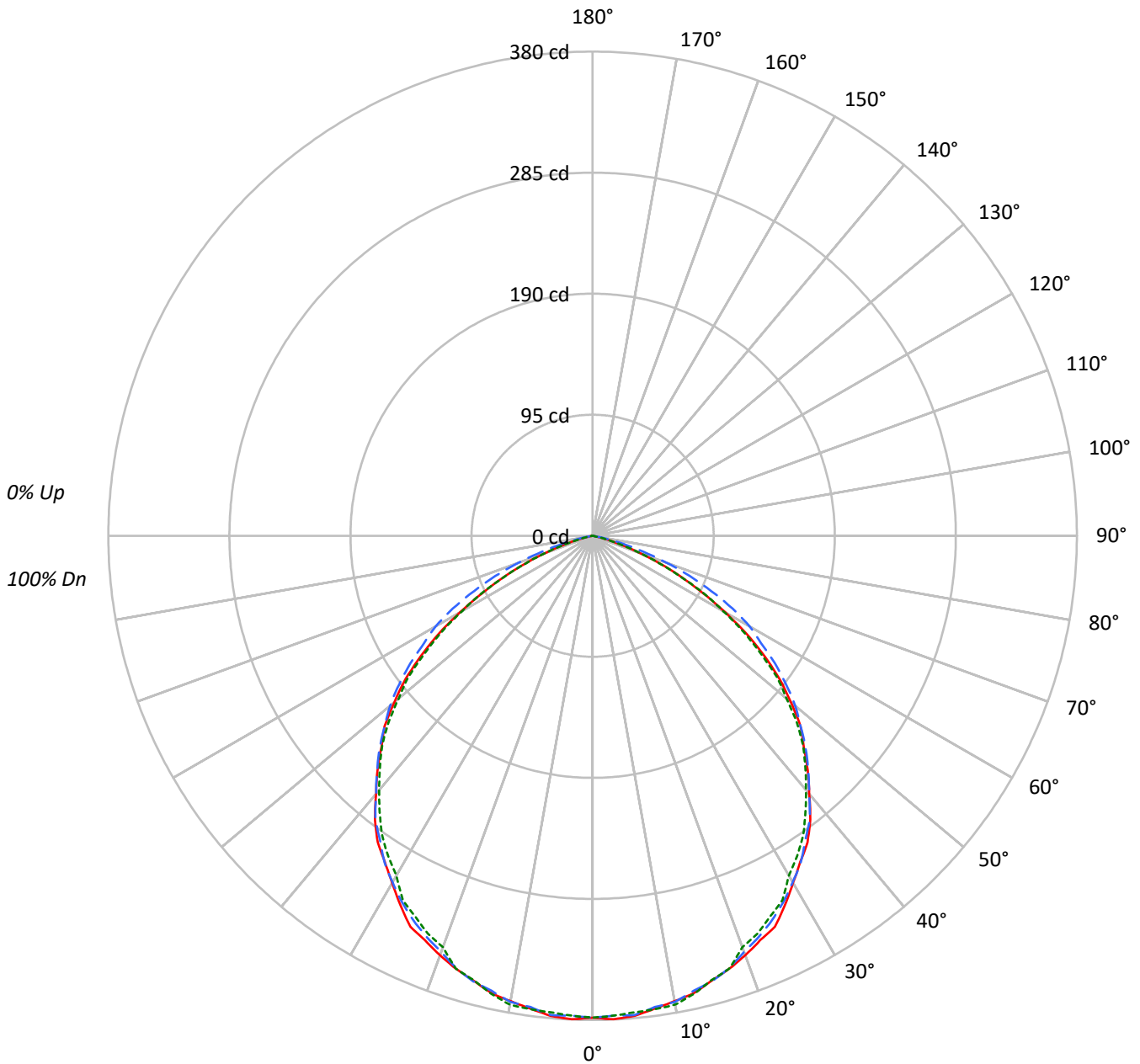
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/25/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109030 6LBCSSQMMS  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBCSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 913.0 lumens  
Efficiency: N/A  
Efficacy: 93.6 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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CATALOG NUMBER: LX6C10D010 EX6C109030 6LBCSSQMMS

### 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
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°	16284	16284	16284
5°	16346	16320	16225
10°	16216	16242	16338
15°	16109	16136	16087
20°	16050	15922	15743
25°	16086	15820	15658
30°	15641	15611	15308
35°	15448	15301	15127
40°	14861	14861	14641
45°	14267	14400	14230
50°	13597	13899	13303
55°	12348	13106	12055
60°	10325	12245	10187
65°	7896	10453	7845
70°	4922	7729	4985
75°	1863	4175	1763
80°	124	694	124
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.8	3.9
10°-20°	102.0	11.2
20°-30°	153.5	16.8
30°-40°	181.5	19.9
40°-50°	181.2	19.8
50°-60°	150.2	16.5
60°-70°	87.8	9.6
70°-80°	20.9	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°	291.2	31.9
0°-40°	472.8	51.8
0°-60°	804.2	88.1
0°-90°	913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	378	378	378	378	378	
5°	378	376	378	376	375	36
15°	361	361	362	360	361	102
25°	339	335	333	332	330	155
35°	294	291	291	290	288	183
45°	234	235	236	234	234	181
55°	164	170	175	170	161	146
65°	78	87	103	87	77	77
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°	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2
2.5°	379.8	377.6	379.3	375.9	378.2	375.9	376.5	375.4	377.6	377.0	376.5
5°	378.2	378.7	377.6	378.7	377.0	375.4	377.0	375.9	372.6	377.6	376.5
7.5°	374.3	374.8	373.7	375.4	374.3	372.0	376.5	373.1	372.6	373.1	375.4
10°	370.9	372.0	371.5	370.9	371.5	371.5	370.3	368.7	370.3	371.5	370.9
12.5°	367.6	369.2	368.1	367.0	365.9	366.4	367.6	364.8	364.8	365.9	369.2
15°	361.4	362.5	363.1	360.9	360.9	361.4	363.7	359.2	361.4	362.0	362.5
17.5°	356.4	357.0	357.0	355.3	356.4	354.7	356.4	354.2	356.4	355.9	357.0
20°	350.3	351.4	350.3	350.3	349.2	349.7	349.7	349.7	348.0	347.5	348.6
22.5°	343.6	343.6	342.5	343.6	342.5	341.9	344.7	340.2	344.7	340.8	344.1
25°	338.6	335.8	334.1	333.5	335.8	333.5	334.7	333.0	334.1	333.0	333.5
27.5°	326.8	325.2	324.6	325.2	325.2	324.6	326.8	320.7	324.6	324.1	324.1
30°	314.6	314.6	315.7	314.6	315.7	314.0	316.3	311.2	314.6	314.0	314.6
32.5°	303.4	304.0	304.0	305.1	303.4	304.0	304.0	302.3	303.4	304.0	302.9
35°	293.9	291.1	291.1	291.1	291.1	291.1	292.3	290.6	292.3	291.1	291.1
37.5°	280.6	277.8	277.8	277.2	280.0	278.3	281.1	278.9	278.9	280.0	280.0
40°	264.4	265.5	263.8	266.0	265.5	263.3	268.3	264.9	267.2	264.4	266.6
42.5°	249.9	250.4	249.9	249.3	251.5	251.0	253.2	251.0	250.4	250.4	254.3
45°	234.3	234.3	234.3	235.9	234.3	234.8	237.1	235.9	237.1	236.5	240.4
47.5°	221.4	218.6	218.1	221.4	220.9	221.4	221.4	222.0	222.5	221.4	223.1
50°	203.0	201.9	201.9	202.5	203.0	204.1	205.8	206.9	205.8	207.5	208.0
52.5°	185.2	184.1	184.6	186.8	188.0	187.4	190.2	190.7	190.2	191.3	191.3
55°	164.5	163.4	165.1	167.9	169.6	171.2	174.0	171.8	174.0	174.6	175.1
57.5°	143.3	142.8	143.3	146.1	147.8	151.7	156.2	156.2	158.4	156.7	158.4
60°	119.9	119.9	122.2	123.8	128.3	131.1	135.5	137.8	140.0	142.2	141.1
62.5°	97.6	98.2	99.8	103.7	106.5	110.4	115.4	117.7	121.6	123.8	122.7
65°	77.5	77.5	78.7	82.0	84.8	89.8	94.3	99.3	101.5	102.6	103.2
67.5°	58.0	57.4	59.7	61.9	64.7	69.7	74.7	77.5	81.4	82.6	82.0
70°	39.1	39.6	40.7	43.0	46.3	50.2	55.8	58.0	60.2	61.4	60.2
72.5°	24.5	24.5	25.1	27.3	29.6	32.3	36.2	38.5	41.3	41.8	40.7
75°	11.2	11.2	12.3	13.4	15.1	17.3	20.1	21.8	23.4	25.1	25.1
77.5°	2.2	2.8	3.4	3.4	4.5	6.1	7.8	9.5	11.2	11.2	11.2
80°	0.5	0.5	0.5	0.5	0.5	0.5	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°	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2
2.5°	378.2	381.5	378.2	376.5	378.7	378.2	376.5	377.0
5°	376.5	377.6	378.7	374.3	377.0	377.6	376.5	375.4
7.5°	374.8	375.4	374.8	373.7	373.7	373.7	374.8	374.8
10°	374.3	372.6	369.8	368.1	369.8	369.8	369.2	373.7
12.5°	367.0	369.2	367.6	364.2	367.6	367.0	367.0	368.1
15°	361.4	361.4	362.5	358.1	360.3	359.8	359.8	360.9
17.5°	355.9	355.9	355.3	354.2	353.6	355.3	353.6	356.4
20°	348.0	349.2	352.5	346.9	348.6	346.9	346.9	343.6
22.5°	338.6	344.1	341.3	340.8	340.2	340.8	341.9	338.0
25°	332.4	332.4	333.5	330.2	330.2	331.3	330.7	329.6
27.5°	324.1	323.5	322.9	321.8	324.6	322.4	322.4	322.4
30°	312.3	314.0	313.5	310.7	314.0	312.9	311.2	307.9
32.5°	302.3	304.5	301.2	300.6	300.1	300.6	301.2	298.4
35°	290.0	290.6	290.6	288.4	288.9	288.4	287.2	287.8
37.5°	278.9	278.3	275.5	274.4	275.0	275.0	275.5	274.4
40°	263.3	264.9	264.9	261.0	262.1	261.0	261.0	260.5
42.5°	250.4	251.0	249.3	247.6	247.6	247.1	246.0	247.1
45°	237.1	236.5	234.8	233.1	233.1	232.6	231.5	233.7
47.5°	222.0	220.9	220.3	218.1	218.1	214.7	215.3	217.5
50°	206.9	205.8	203.6	202.5	200.8	199.1	198.6	198.6
52.5°	189.1	189.1	186.8	184.6	184.1	182.9	181.8	182.4
55°	173.5	173.5	171.8	167.9	165.7	162.9	161.2	160.6
57.5°	155.6	154.5	151.1	146.7	144.5	142.2	140.6	140.6
60°	137.8	135.0	131.6	127.7	123.8	119.9	118.8	118.3
62.5°	118.3	115.4	109.3	104.9	102.1	99.8	97.6	99.3
65°	98.7	94.8	89.2	84.8	82.0	78.7	77.0	77.0
67.5°	78.1	74.2	68.6	64.1	61.4	59.1	56.9	56.9
70°	57.4	54.7	49.6	45.7	43.5	40.1	39.6	39.6
72.5°	39.1	35.7	31.8	29.0	26.8	24.5	23.4	22.9
75°	21.8	19.5	16.7	15.1	12.8	11.7	10.6	10.6
77.5°	8.9	7.3	5.6	4.5	3.4	2.8	2.2	2.8
80°	1.7	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)