

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: P843923

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B50 EU6C08B50 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

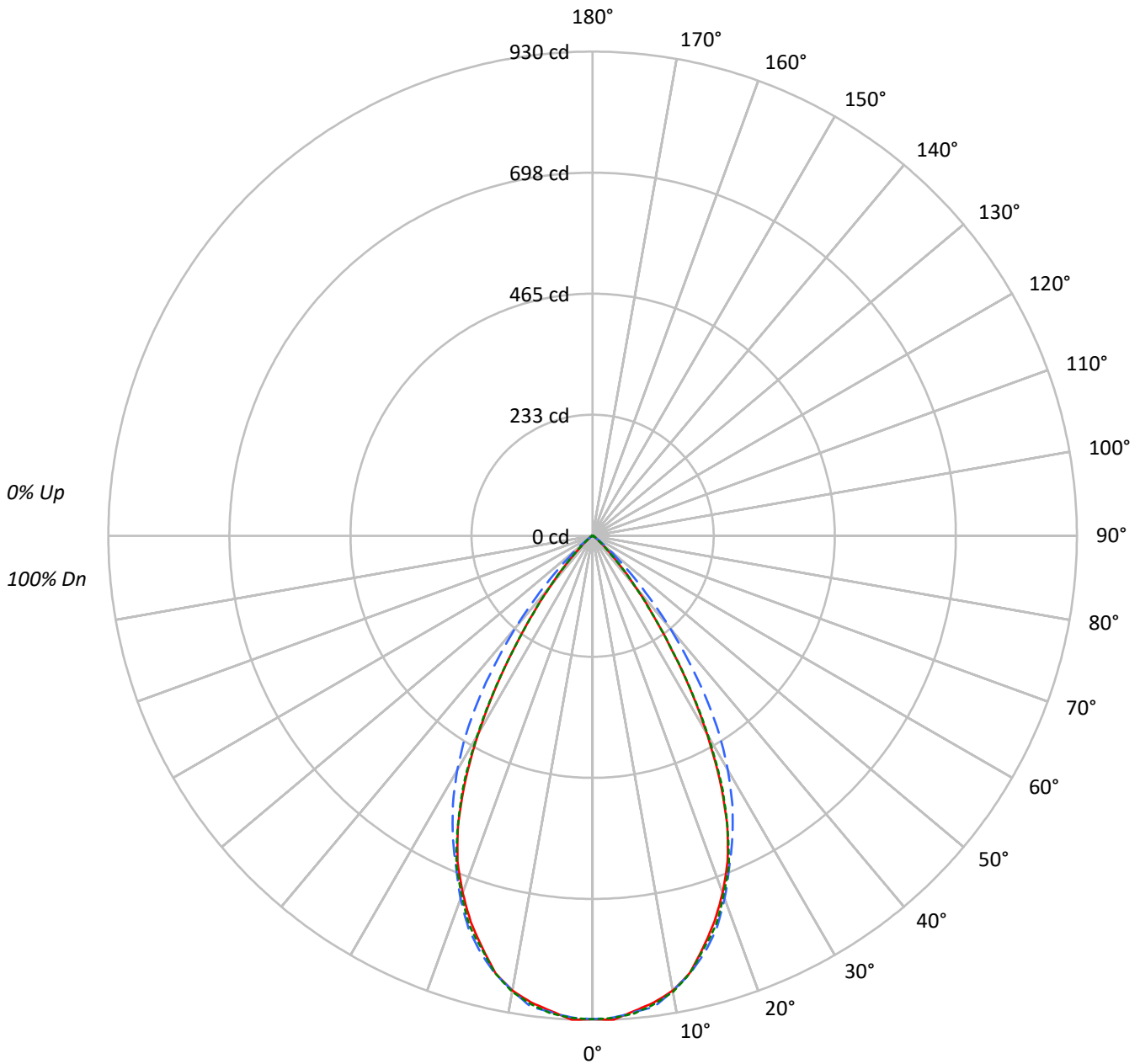
Lumens per Lamp: N/A
Luminaire Lumens: 872.6 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
Input Voltage (V):
Input Current (Ain): 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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39977	39977	39977
5°	39598	39702	39801
10°	38775	38775	38884
15°	36511	36979	36640
20°	33429	33966	33668
25°	29046	30186	29069
30°	21840	25828	22049
35°	13566	19894	13624
40°	7138	12961	7104
45°	2953	6485	3026
50°	1132	2431	1132
55°	608	743	570
60°	405	353	405
65°	234	234	234
70°	151	227	151
75°	100	100	100
80°	149	149	149
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	10.0
10°-20°	231.2	26.5
20°-30°	283.8	32.5
30°-40°	195.9	22.5
40°-50°	61.3	7.0
50°-60°	9.6	1.1
60°-70°	2.8	0.3
70°-80°	0.9	0.1
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°	602.0	69.0
0°-40°	797.9	91.4
0°-60°	868.7	99.6
0°-90°	872.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	872.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	916	920	919	919	921	87
15°	819	831	830	828	822	229
25°	611	627	635	631	612	274
35°	258	305	378	308	259	165
45°	48	66	106	66	50	43
55°	8	9	10	9	8	8
65°	2	3	2	3	2	3
75°	1	1	1	1	1	1
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°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	930.3	917.4	925.6	923.8	928.5	931.5	928.5	933.8	930.3	926.2	927.3
5°	916.2	918.0	917.4	918.6	919.7	919.7	925.6	926.2	927.3	918.6	920.9
7.5°	904.0	904.0	906.9	905.7	909.8	908.6	909.2	913.9	914.4	912.1	910.4
10°	886.9	884.6	881.7	881.7	886.9	887.6	892.2	892.9	896.3	886.9	888.2
12.5°	860.7	859.4	854.8	857.1	861.2	858.9	866.5	867.0	865.9	861.9	864.2
15°	819.1	823.8	822.6	822.0	831.4	830.2	829.6	831.4	831.9	829.6	827.9
17.5°	777.6	781.7	782.2	783.4	785.2	787.0	789.3	795.8	793.3	791.6	797.5
20°	729.6	727.9	732.5	737.2	739.0	739.0	742.5	747.1	743.6	741.3	741.9
22.5°	677.5	680.5	678.2	682.8	685.1	688.1	691.6	695.7	692.8	686.3	693.9
25°	611.4	613.1	620.7	620.2	623.7	630.7	636.0	636.0	636.0	635.4	635.4
27.5°	528.3	527.1	536.5	542.9	551.7	562.9	569.9	581.0	582.8	581.0	576.8
30°	439.3	438.2	449.9	458.1	473.9	479.2	498.5	509.0	520.1	519.5	516.7
32.5°	346.9	349.3	358.6	370.4	383.2	399.6	417.8	441.1	451.1	453.4	448.1
35°	258.1	261.6	270.3	280.3	296.0	314.2	339.3	361.6	378.5	378.5	374.4
37.5°	186.0	187.2	195.5	201.9	218.2	234.6	256.3	286.7	297.2	301.3	297.2
40°	127.0	127.0	131.7	138.7	152.1	166.2	186.0	208.9	224.1	230.6	223.5
42.5°	80.8	82.0	85.5	90.1	100.1	112.3	127.6	144.6	155.7	160.3	153.9
45°	48.5	49.7	52.7	56.2	62.6	70.2	80.8	93.1	102.4	106.5	103.5
47.5°	29.3	30.5	31.6	34.0	38.6	43.9	49.2	56.2	62.0	62.6	61.4
50°	16.9	16.9	18.2	19.9	22.2	25.2	28.1	32.2	34.0	36.3	34.0
52.5°	11.1	11.1	11.1	11.7	12.9	14.1	15.2	17.6	18.7	18.7	18.2
55°	8.1	8.1	8.1	8.1	8.8	8.8	8.8	9.4	9.9	9.9	9.9
57.5°	5.8	5.8	5.8	6.5	6.5	6.5	5.8	5.8	5.8	5.8	5.8
60°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.1	4.1	4.1
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	2.3	2.3	2.3	3.0	3.0	3.0	3.0	2.3	2.3	2.3	2.3
67.5°	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	1.8	1.8	1.8
70°	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	930.8	928.0	928.0	928.0	926.8	928.0	929.7	926.8
5°	920.9	922.0	916.9	920.9	922.7	919.7	926.8	920.9
7.5°	912.1	910.4	902.2	908.1	911.6	912.7	912.1	907.4
10°	894.5	890.5	886.9	886.9	885.8	885.2	891.7	889.4
12.5°	863.0	865.9	860.7	863.6	861.2	861.9	862.4	861.2
15°	836.1	833.2	826.1	830.8	827.9	825.0	830.8	822.0
17.5°	794.0	793.3	789.3	786.4	787.5	787.0	789.8	785.8
20°	744.3	745.4	743.1	741.9	740.1	736.0	739.6	734.8
22.5°	690.4	691.6	693.9	689.3	689.8	684.0	689.3	684.0
25°	636.0	635.4	632.5	630.1	623.7	617.2	616.1	611.9
27.5°	576.3	572.2	565.2	557.6	547.6	538.9	538.2	535.4
30°	510.7	502.0	489.2	476.8	461.7	448.1	448.1	443.5
32.5°	441.8	421.8	404.2	389.1	369.2	361.6	354.0	349.9
35°	359.3	341.7	320.6	295.5	286.1	267.4	268.5	259.2
37.5°	281.4	259.8	239.9	219.5	203.1	194.3	189.5	184.9
40°	208.9	187.8	166.2	152.7	138.1	130.5	127.6	126.4
42.5°	142.8	125.2	111.2	100.1	92.4	84.3	82.0	80.8
45°	93.1	83.1	70.2	61.4	56.2	51.5	51.5	49.7
47.5°	55.6	49.2	42.7	36.9	33.3	30.5	29.3	28.7
50°	31.0	27.5	24.0	21.7	19.4	17.6	16.9	16.9
52.5°	16.9	15.2	14.1	12.3	11.1	11.1	11.1	10.6
55°	8.8	8.8	8.8	8.8	8.1	8.1	8.1	7.6
57.5°	5.8	5.8	6.5	6.5	6.5	5.8	5.8	5.8
60°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	2.3	3.0	3.0	3.0	3.0	2.3	2.3	2.3
67.5°	1.8	2.3	2.3	2.3	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	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)