

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: P843906

Luminaire Tested: **LD6C08DE010B40 EU6C08B40 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843906
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: LD6C08DE010B40 EU6C08B40 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

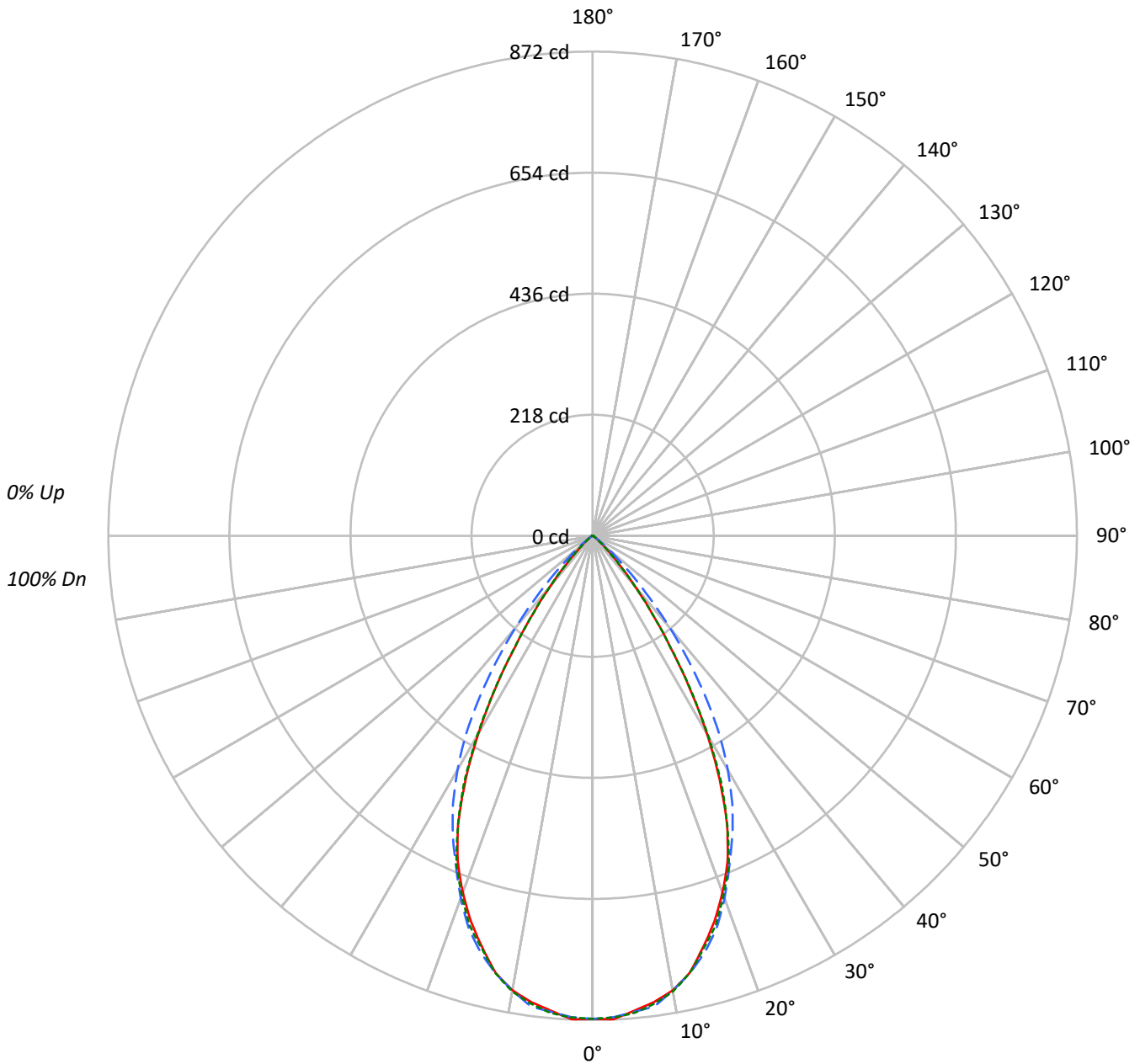
Lumens per Lamp: N/A
Luminaire Lumens: 817.5 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	82	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°	37458	37458	37458
5°	37104	37200	37290
10°	36336	36336	36432
15°	34211	34652	34331
20°	31317	31821	31546
25°	27217	28281	27240
30°	20468	24202	20657
35°	12709	18643	12762
40°	6688	12140	6660
45°	2770	6071	2831
50°	1065	2277	1065
55°	578	698	533
60°	379	327	379
65°	224	224	224
70°	138	201	138
75°	83	83	83
80°	124	124	124
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	10.0
10°-20°	216.7	26.5
20°-30°	265.9	32.5
30°-40°	183.6	22.5
40°-50°	57.4	7.0
50°-60°	9.0	1.1
60°-70°	2.6	0.3
70°-80°	0.8	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°	564.0	69.0
0°-40°	747.6	91.4
0°-60°	813.9	99.6
0°-90°	817.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	858	862	861	861	863	81
15°	768	778	777	776	770	215
25°	573	588	595	592	573	257
35°	242	286	355	289	243	154
45°	46	62	100	62	46	41
55°	8	8	9	8	7	7
65°	2	3	2	3	2	2
75°	0	0	0	0	0	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°	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0
2.5°	871.6	859.5	867.3	865.6	870.0	872.8	870.0	874.9	871.6	867.8	869.0
5°	858.5	860.2	859.5	860.7	861.8	861.8	867.3	867.8	869.0	860.7	862.8
7.5°	847.0	847.0	849.7	848.6	852.5	851.4	851.9	856.3	856.8	854.7	853.0
10°	831.1	828.9	826.1	826.1	831.1	831.6	836.0	836.6	839.9	831.1	832.1
12.5°	806.4	805.3	800.9	803.1	807.0	804.8	811.8	812.4	811.3	807.5	809.7
15°	767.5	771.9	770.7	770.2	778.9	777.9	777.4	778.9	779.5	777.4	775.7
17.5°	728.6	732.4	732.9	734.0	735.7	737.4	739.5	745.5	743.3	741.7	747.2
20°	683.5	682.0	686.3	690.7	692.3	692.3	695.7	700.0	696.8	694.5	695.1
22.5°	634.8	637.5	635.3	639.8	642.0	644.7	647.9	651.8	649.1	643.0	650.1
25°	572.9	574.5	581.7	581.1	584.3	591.0	595.9	595.9	595.9	595.3	595.3
27.5°	495.1	493.9	502.7	508.7	517.0	527.3	533.9	544.4	546.1	544.4	540.6
30°	411.7	410.6	421.6	429.2	444.0	449.0	467.1	477.0	487.4	486.8	484.1
32.5°	325.1	327.3	336.0	347.0	359.1	374.4	391.4	413.3	422.6	424.9	419.9
35°	241.8	245.1	253.3	262.6	277.4	294.3	317.9	338.8	354.7	354.7	350.8
37.5°	174.3	175.5	183.1	189.1	204.4	219.8	240.1	268.6	278.5	282.3	278.5
40°	119.0	119.0	123.3	129.9	142.6	155.7	174.3	195.7	209.9	216.0	209.4
42.5°	75.6	76.8	80.1	84.4	93.7	105.2	119.5	135.4	145.8	150.2	144.2
45°	45.5	46.5	49.4	52.7	58.7	65.8	75.6	87.1	95.9	99.7	97.0
47.5°	27.4	28.5	29.6	31.8	36.2	41.1	46.0	52.7	58.2	58.7	57.5
50°	15.9	15.9	17.0	18.6	20.8	23.6	26.3	30.1	31.8	34.0	31.8
52.5°	10.4	10.4	10.4	11.0	12.1	13.2	14.3	16.5	17.6	17.6	17.0
55°	7.7	7.7	7.7	7.7	8.2	8.2	8.2	8.8	9.3	9.3	9.3
57.5°	5.5	5.5	5.5	6.0	6.0	6.0	5.5	5.5	5.5	5.5	5.5
60°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.8	3.8	3.8
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	2.2	2.2	2.2	2.7	2.7	2.7	2.7	2.2	2.2	2.2	2.2
67.5°	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2	1.6	1.6	1.6
70°	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0
2.5°	872.2	869.5	869.5	869.5	868.3	869.5	871.1	868.3
5°	862.8	864.0	859.0	862.8	864.5	861.8	868.3	862.8
7.5°	854.7	853.0	845.4	850.9	854.0	855.2	854.7	850.2
10°	838.2	834.4	831.1	831.1	829.9	829.4	835.4	833.3
12.5°	808.6	811.3	806.4	809.2	807.0	807.5	808.0	807.0
15°	783.4	780.6	774.1	778.4	775.7	772.9	778.4	770.2
17.5°	743.9	743.3	739.5	736.7	737.9	737.4	740.0	736.2
20°	697.3	698.4	696.2	695.1	693.5	689.6	693.0	688.5
22.5°	646.8	647.9	650.1	645.8	646.3	640.8	645.8	640.8
25°	595.9	595.3	592.6	590.4	584.3	578.3	577.3	573.4
27.5°	540.0	536.1	529.6	522.5	513.2	504.9	504.4	501.6
30°	478.6	470.3	458.3	446.7	432.6	419.9	419.9	415.5
32.5°	414.0	395.2	378.7	364.6	346.0	338.8	331.7	327.9
35°	336.6	320.1	300.4	276.9	268.1	250.6	251.6	242.8
37.5°	263.7	243.4	224.7	205.6	190.3	182.0	177.6	173.2
40°	195.7	176.0	155.7	143.1	129.3	122.3	119.5	118.5
42.5°	133.8	117.3	104.2	93.7	86.6	78.9	76.8	75.6
45°	87.1	77.8	65.8	57.5	52.7	48.2	48.2	46.5
47.5°	52.0	46.0	40.1	34.6	31.3	28.5	27.4	26.9
50°	29.1	25.8	22.5	20.3	18.1	16.5	15.9	15.9
52.5°	15.9	14.3	13.2	11.5	10.4	10.4	10.4	9.8
55°	8.2	8.2	8.2	8.2	7.7	7.7	7.7	7.1
57.5°	5.5	5.5	6.0	6.0	6.0	5.5	5.5	5.5
60°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	2.2	2.7	2.7	2.7	2.7	2.2	2.2	2.2
67.5°	1.6	2.2	2.2	2.2	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	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)