

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: P843855

Luminaire Tested: **LD6C08DE010B2750 EU6C08B27 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843855
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: LD6C08DE010B2750 EU6C08B27 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

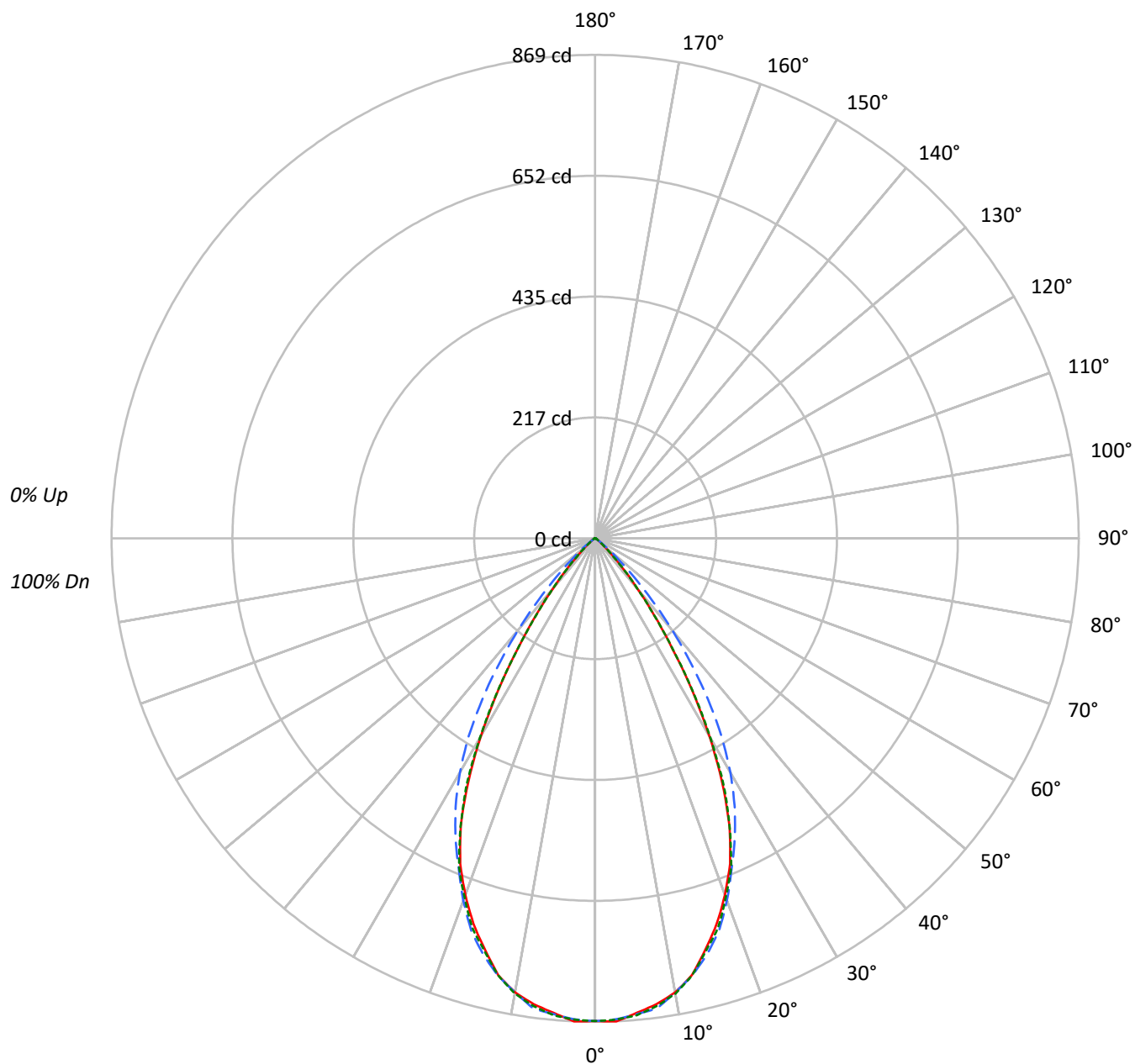
Lumens per Lamp: N/A
Luminaire Lumens: 815.4 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	37364	37364	37364
5°	37009	37104	37195
10°	36239	36239	36336
15°	34122	34563	34242
20°	31244	31743	31464
25°	27145	28209	27174
30°	20414	24142	20607
35°	12673	18596	12730
40°	6672	12107	6638
45°	2764	6059	2825
50°	1065	2277	1065
55°	570	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°	81.2	10.0
10°-20°	216.1	26.5
20°-30°	265.2	32.5
30°-40°	183.1	22.5
40°-50°	57.2	7.0
50°-60°	8.9	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°	562.5	69.0
0°-40°	745.6	91.4
0°-60°	811.8	99.6
0°-90°	815.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	856	860	858	859	861	81
15°	766	776	775	774	768	214
25°	571	586	594	590	572	256
35°	241	285	354	288	242	154
45°	45	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°	867.8	867.8	867.8	867.8	867.8	867.8	867.8	867.8	867.8	867.8	867.8
2.5°	869.4	857.3	865.0	863.3	867.8	870.4	867.8	872.7	869.4	865.6	866.6
5°	856.3	858.0	857.3	858.5	859.5	859.5	865.0	865.6	866.6	858.5	860.6
7.5°	844.7	844.7	847.5	846.4	850.2	849.2	849.7	854.0	854.6	852.5	850.8
10°	828.9	826.8	824.0	824.0	828.9	829.4	833.8	834.4	837.6	828.9	830.0
12.5°	804.3	803.2	798.8	801.1	804.9	802.6	809.7	810.4	809.2	805.4	807.6
15°	765.5	769.9	768.8	768.2	776.9	775.9	775.4	776.9	777.5	775.4	773.7
17.5°	726.7	730.5	731.0	732.1	733.8	735.5	737.6	743.6	741.4	739.8	745.3
20°	681.9	680.2	684.6	688.9	690.5	690.5	693.9	698.2	695.0	692.8	693.3
22.5°	633.2	635.8	633.7	638.1	640.3	643.0	646.3	650.1	647.4	641.3	648.5
25°	571.4	573.0	580.1	579.6	582.9	589.4	594.3	594.3	594.3	593.8	593.8
27.5°	493.7	492.6	501.4	507.3	515.6	526.1	532.5	542.9	544.6	542.9	539.1
30°	410.6	409.5	420.4	428.1	442.9	447.8	465.9	475.7	486.1	485.6	482.8
32.5°	324.3	326.5	335.2	346.2	358.1	373.5	390.4	412.3	421.6	423.8	418.8
35°	241.1	244.4	252.6	261.9	276.7	293.6	317.1	337.9	353.8	353.8	350.0
37.5°	173.9	174.9	182.7	188.7	203.9	219.2	239.6	267.9	277.7	281.5	277.7
40°	118.7	118.7	123.0	129.6	142.1	155.3	173.9	195.1	209.4	215.4	208.9
42.5°	75.5	76.6	79.9	84.2	93.5	105.0	119.2	135.1	145.4	149.8	143.8
45°	45.4	46.4	49.2	52.5	58.5	65.7	75.5	86.9	95.7	99.5	96.8
47.5°	27.3	28.5	29.5	31.7	36.1	41.0	45.9	52.5	58.0	58.5	57.4
50°	15.9	15.9	16.9	18.6	20.7	23.5	26.2	30.0	31.7	34.0	31.7
52.5°	10.4	10.4	10.4	10.9	12.1	13.1	14.3	16.4	17.5	17.5	16.9
55°	7.6	7.6	7.6	7.6	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°	867.8	867.8	867.8	867.8	867.8	867.8	867.8	867.8
2.5°	869.9	867.2	867.2	867.2	866.1	867.2	868.8	866.1
5°	860.6	861.8	856.8	860.6	862.3	859.5	866.1	860.6
7.5°	852.5	850.8	843.1	848.6	851.9	853.0	852.5	848.1
10°	836.1	832.3	828.9	828.9	827.8	827.3	833.3	831.1
12.5°	806.6	809.2	804.3	807.1	804.9	805.4	805.9	804.9
15°	781.4	778.6	772.1	776.4	773.7	771.0	776.4	768.2
17.5°	741.9	741.4	737.6	734.8	736.0	735.5	738.1	734.3
20°	695.5	696.6	694.4	693.3	691.7	687.9	691.2	686.7
22.5°	645.2	646.3	648.5	644.1	644.6	639.2	644.1	639.2
25°	594.3	593.8	591.1	588.9	582.9	576.8	575.8	572.0
27.5°	538.5	534.7	528.2	521.1	511.8	503.5	503.0	500.4
30°	477.3	469.2	457.1	445.6	431.4	418.8	418.8	414.5
32.5°	412.8	394.2	377.8	363.6	345.0	337.9	330.8	327.0
35°	335.7	319.3	299.6	276.1	267.4	249.9	251.0	242.2
37.5°	263.0	242.7	224.2	205.1	189.7	181.5	177.2	172.8
40°	195.1	175.5	155.3	142.7	129.0	121.9	119.2	118.1
42.5°	133.4	117.0	103.9	93.5	86.4	78.7	76.6	75.5
45°	86.9	77.6	65.7	57.4	52.5	48.1	48.1	46.4
47.5°	51.9	45.9	40.0	34.5	31.2	28.5	27.3	26.8
50°	29.0	25.7	22.4	20.2	18.1	16.4	15.9	15.9
52.5°	15.9	14.3	13.1	11.4	10.4	10.4	10.4	9.8
55°	8.2	8.2	8.2	8.2	7.6	7.6	7.6	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)