

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1585895

Luminaire Tested: 14CZSP-SB-75-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-75-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 7200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

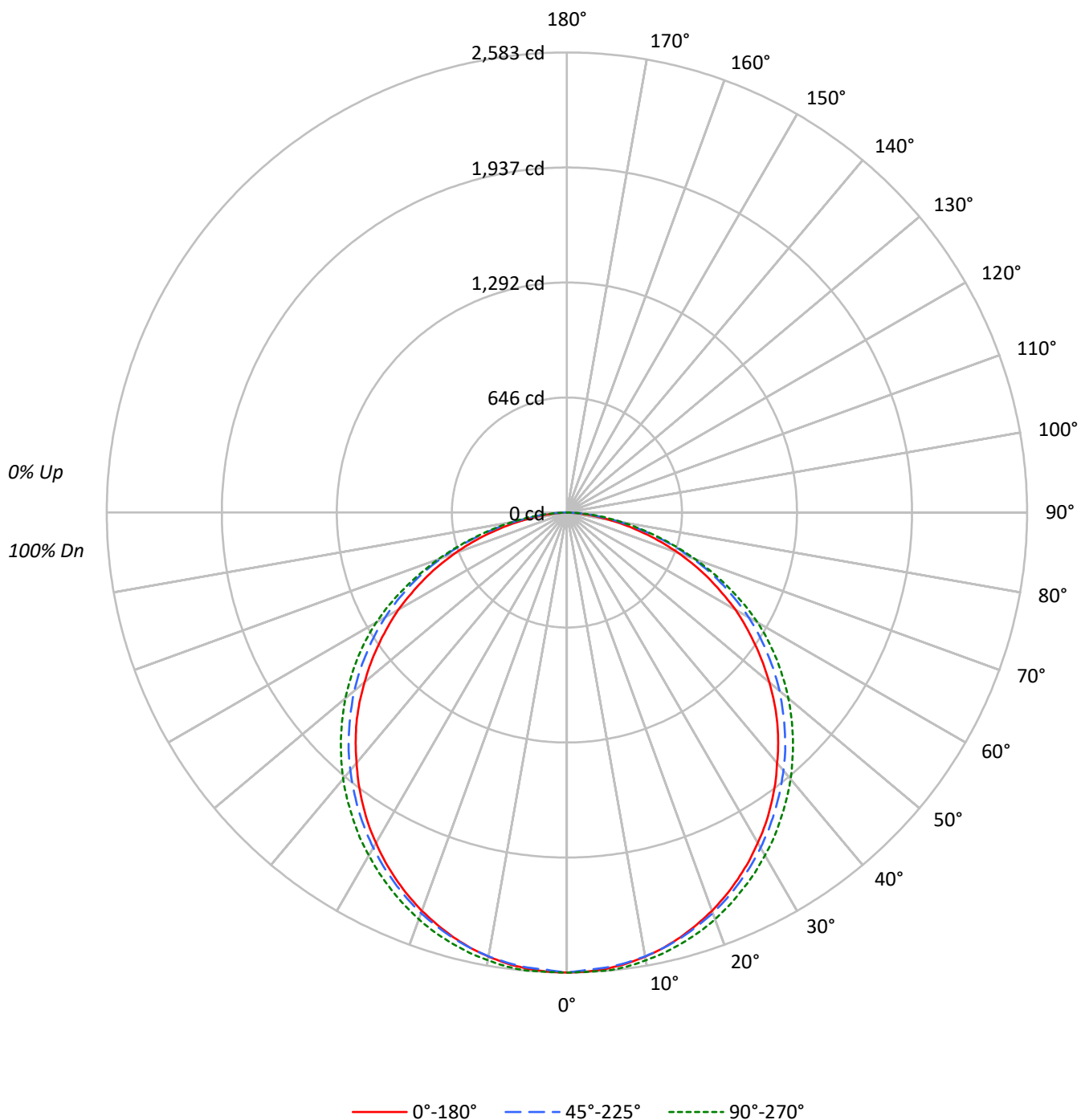
Lumens per Lamp: N/A
Luminaire Lumens: 7463.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
Input Voltage (V): NR
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: 24 FT

TEST NUMBER: P1585895

CATALOG NUMBER: 14CZSP-SB-75-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1585895

CATALOG NUMBER: 14CZSP-SB-75-L835

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8705	8705	8705
5°	8698	8676	8734
10°	8666	8659	8736
15°	8610	8629	8730
20°	8535	8585	8716
25°	8441	8521	8681
30°	8336	8458	8650
35°	8221	8389	8619
40°	8076	8318	8597
45°	7961	8243	8550
50°	7771	8166	8510
55°	7572	8058	8444
60°	7368	7940	8332
65°	7037	7732	8014
70°	6566	7382	7562
75°	5851	6690	6886
80°	4777	5800	6091
85°	3159	4612	4945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8550 cd/sqm

TEST NUMBER: P1585895

CATALOG NUMBER: 14CZSP-SB-75-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	3.3
10°-20°	700.8	9.4
20°-30°	1061.1	14.2
30°-40°	1280.8	17.2
40°-50°	1337.5	17.9
50°-60°	1223.6	16.4
60°-70°	945.9	12.7
70°-80°	535.5	7.2
80°-90°	133.0	1.8
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°	2006.6	26.9
0°-40°	3287.4	44.0
0°-60°	5848.5	78.4
0°-90°	7463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2583	2583	2583	2583	2583	
5°	2571	2590	2565	2567	2582	244
15°	2468	2490	2474	2485	2503	696
25°	2270	2300	2292	2313	2335	1046
35°	1998	2026	2039	2074	2095	1250
45°	1671	1703	1730	1774	1794	1287
55°	1289	1328	1372	1415	1437	1153
65°	883	919	970	999	1005	871
75°	449	488	514	527	529	476
85°	82	95	119	125	128	105
90°	0	0	0	0	0	

TEST NUMBER: P1585895

CATALOG NUMBER: 14CZSP-SB-75-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2583.3	2583.3	2583.3	2583.3	2583.3
2.5°	2580.0	2598.3	2570.4	2575.7	2581.1
5°	2571.4	2589.7	2565.0	2567.1	2582.2
7.5°	2555.3	2575.7	2549.9	2554.2	2572.5
10°	2532.7	2553.2	2530.6	2534.9	2553.2
12.5°	2503.7	2524.1	2504.8	2511.2	2531.7
15°	2468.2	2489.7	2473.6	2485.4	2502.6
17.5°	2425.2	2452.1	2434.9	2453.2	2470.4
20°	2380.1	2407.0	2394.1	2410.2	2430.6
22.5°	2328.5	2355.4	2345.7	2362.9	2385.5
25°	2270.4	2299.5	2291.9	2313.4	2334.9
27.5°	2210.2	2238.2	2236.0	2259.7	2282.3
30°	2142.5	2172.6	2173.7	2201.6	2223.1
32.5°	2074.8	2101.7	2108.1	2139.3	2164.0
35°	1998.5	2026.4	2039.3	2073.7	2095.2
37.5°	1921.1	1952.2	1966.2	2003.8	2026.4
40°	1836.1	1871.6	1891.0	1930.7	1954.4
42.5°	1755.5	1787.7	1813.5	1853.3	1874.8
45°	1670.6	1702.8	1729.7	1773.8	1794.2
47.5°	1579.2	1614.7	1643.7	1686.7	1709.3
50°	1482.4	1521.1	1557.7	1599.6	1623.3
52.5°	1386.8	1424.4	1466.3	1507.2	1530.8
55°	1288.9	1327.6	1371.7	1414.7	1437.3
57.5°	1190.0	1228.7	1277.1	1315.8	1339.5
60°	1093.3	1128.8	1178.2	1216.9	1236.3
62.5°	983.6	1024.5	1075.0	1113.7	1124.5
65°	882.6	919.1	969.7	998.7	1005.1
67.5°	775.1	811.6	862.2	878.3	888.0
70°	666.5	705.2	749.3	760.0	767.6
72.5°	556.9	596.6	631.0	641.8	648.2
75°	449.4	488.1	513.9	526.8	528.9
77.5°	345.1	380.6	404.2	419.3	419.3
80°	246.2	273.1	298.9	315.0	313.9
82.5°	157.0	177.4	204.3	216.1	223.6
85°	81.7	94.6	119.3	124.7	127.9
87.5°	25.8	33.3	43.0	35.5	34.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585895

CATALOG NUMBER: 14CZSP-SB-75-L835

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	19.20	20.85	19.56	21.16	21.48	19.74	21.39	20.10	21.70	22.02
	3H	20.97	22.46	21.35	22.79	23.15	21.60	23.09	21.98	23.42	23.78
	4H	21.59	23.00	21.99	23.35	23.72	22.27	23.68	22.67	24.03	24.40
	6H	22.00	23.30	22.41	23.67	24.06	22.76	24.06	23.17	24.43	24.82
	8H	22.10	23.35	22.52	23.74	24.13	22.91	24.16	23.34	24.55	24.95
	12H	22.15	23.34	22.58	23.73	24.15	23.01	24.21	23.44	24.59	25.02
4H	2H	19.94	21.34	20.33	21.69	22.07	20.36	21.77	20.76	22.11	22.49
	3H	21.93	23.11	22.34	23.51	23.91	22.44	23.62	22.85	24.02	24.42
	4H	22.68	23.75	23.11	24.16	24.60	23.24	24.31	23.67	24.72	25.16
	6H	23.20	24.13	23.65	24.57	25.03	23.85	24.79	24.31	25.23	25.68
	8H	23.33	24.21	23.79	24.65	25.11	24.06	24.93	24.52	25.37	25.84
	12H	23.41	24.20	23.89	24.67	25.14	24.20	24.98	24.67	25.46	25.93
8H	4H	23.03	23.91	23.49	24.35	24.81	23.53	24.40	23.99	24.84	25.31
	6H	23.67	24.39	24.16	24.88	25.36	24.26	24.99	24.75	25.48	25.95
	8H	23.86	24.51	24.37	25.02	25.50	24.53	25.19	25.04	25.69	26.18
	12H	23.99	24.56	24.49	25.05	25.61	24.74	25.32	25.25	25.81	26.37
12H	4H	23.07	23.86	23.55	24.34	24.81	23.55	24.34	24.03	24.81	25.28
	6H	23.73	24.38	24.24	24.89	25.38	24.30	24.96	24.81	25.46	25.95
	8H	23.98	24.56	24.49	25.05	25.61	24.63	25.21	25.14	25.70	26.26