

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: P1585894

Luminaire Tested: 14CZSP-SB-75-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-75-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 7200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

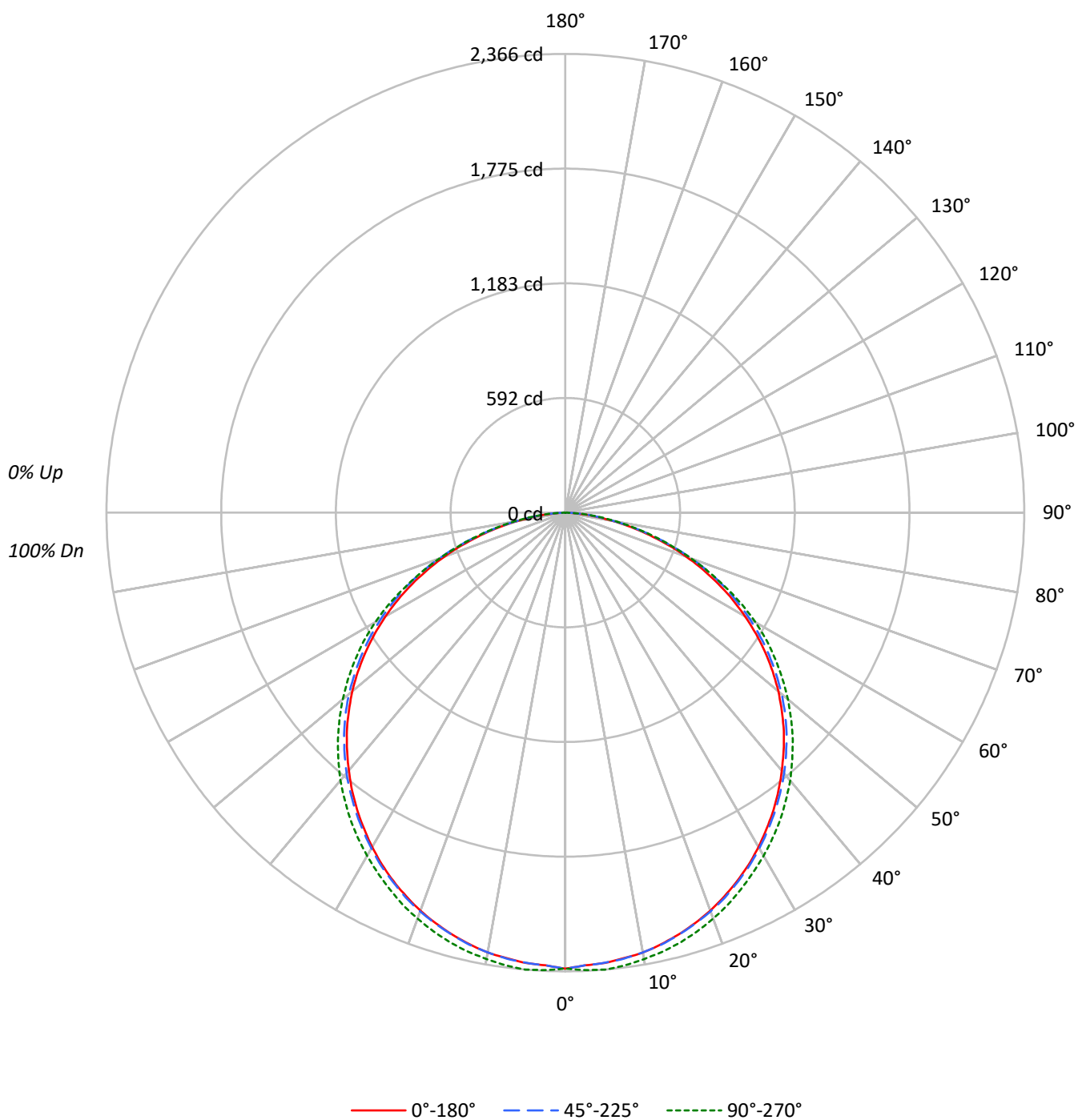
Lumens per Lamp: N/A
Luminaire Lumens: 6941.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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				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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7925	7925	7925
5°	7888	7884	8003
10°	7884	7881	8000
15°	7860	7867	8005
20°	7836	7851	7992
25°	7796	7816	7966
30°	7749	7783	7952
35°	7699	7747	7948
40°	7639	7718	7933
45°	7592	7688	7901
50°	7516	7633	7850
55°	7399	7536	7773
60°	7220	7406	7635
65°	6949	7212	7287
70°	6534	6837	6796
75°	5866	6116	6158
80°	4847	5094	5361
85°	3248	3781	3986

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	3.2
10°-20°	640.8	9.2
20°-30°	975.8	14.1
30°-40°	1187.5	17.1
40°-50°	1251.9	18.0
50°-60°	1153.1	16.6
60°-70°	890.5	12.8
70°-80°	498.4	7.2
80°-90°	120.1	1.7
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°	1839.5	26.5
0°-40°	3027.0	43.6
0°-60°	5432.0	78.3
0°-90°	6941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2352	2352	2352	2352	2352	
5°	2332	2365	2331	2334	2366	222
15°	2253	2284	2255	2268	2295	636
25°	2097	2127	2102	2116	2143	967
35°	1872	1899	1883	1907	1932	1171
45°	1593	1616	1613	1638	1658	1228
55°	1260	1281	1283	1309	1323	1124
65°	872	897	904	913	914	861
75°	451	478	470	469	473	478
85°	84	92	98	110	103	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2352.0	2352.0	2352.0	2352.0	2352.0
2.5°	2337.2	2371.2	2337.2	2342.5	2361.6
5°	2331.9	2364.8	2330.8	2334.0	2365.9
7.5°	2318.0	2352.0	2320.2	2324.4	2355.2
10°	2304.2	2335.0	2303.2	2308.5	2338.2
12.5°	2280.8	2312.7	2283.0	2289.3	2319.1
15°	2253.2	2284.0	2255.3	2268.1	2294.7
17.5°	2221.3	2251.1	2223.4	2238.3	2263.8
20°	2185.2	2213.9	2189.4	2200.1	2228.8
22.5°	2142.7	2172.4	2149.0	2158.6	2189.4
25°	2097.0	2126.7	2102.3	2116.1	2142.7
27.5°	2047.0	2075.7	2054.5	2071.5	2094.8
30°	1991.7	2019.4	2000.3	2020.4	2043.8
32.5°	1932.2	1962.0	1942.9	1966.2	1989.6
35°	1871.6	1899.3	1883.3	1906.7	1932.2
37.5°	1805.8	1832.3	1820.6	1845.1	1868.5
40°	1736.7	1766.4	1754.7	1780.2	1803.6
42.5°	1665.5	1694.2	1684.6	1711.2	1731.4
45°	1593.2	1615.5	1613.4	1637.8	1658.0
47.5°	1513.5	1541.1	1536.9	1561.3	1579.4
50°	1433.8	1456.1	1456.1	1479.5	1497.5
52.5°	1347.7	1370.0	1370.0	1397.6	1412.5
55°	1259.5	1280.7	1282.8	1309.4	1323.2
57.5°	1165.9	1188.2	1192.5	1219.1	1231.8
60°	1071.3	1092.6	1099.0	1125.5	1133.0
62.5°	972.5	998.0	1001.2	1022.4	1026.7
65°	871.5	897.0	904.5	913.0	914.0
67.5°	768.4	795.0	802.4	802.4	802.4
70°	663.2	687.7	694.0	689.8	689.8
72.5°	556.9	583.5	580.3	576.1	578.2
75°	450.6	478.3	469.8	468.7	473.0
77.5°	348.6	375.2	361.4	369.9	370.9
80°	249.8	270.0	262.5	275.3	276.3
82.5°	160.5	173.2	175.4	186.0	182.8
85°	84.0	92.5	97.8	109.5	103.1
87.5°	26.6	35.1	31.9	37.2	28.7
90°	0.0	0.0	0.0	0.0	0.0

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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	19.23	20.88	19.59	21.20	21.51	19.44	21.10	19.81	21.41	21.73
	3H	21.05	22.55	21.42	22.87	23.23	21.24	22.74	21.62	23.07	23.43
	4H	21.69	23.11	22.09	23.45	23.83	21.88	23.29	22.28	23.64	24.02
	6H	22.12	23.43	22.53	23.80	24.19	22.33	23.64	22.74	24.01	24.40
	8H	22.23	23.48	22.66	23.87	24.27	22.47	23.72	22.89	24.11	24.50
	12H	22.29	23.48	22.71	23.87	24.29	22.54	23.74	22.97	24.12	24.55
4H	2H	19.91	21.32	20.30	21.67	22.04	20.08	21.49	20.47	21.84	22.21
	3H	21.95	23.13	22.36	23.53	23.93	22.09	23.27	22.50	23.67	24.07
	4H	22.73	23.80	23.16	24.21	24.65	22.85	23.92	23.28	24.33	24.77
	6H	23.28	24.21	23.73	24.65	25.11	23.42	24.36	23.88	24.80	25.25
	8H	23.42	24.30	23.88	24.74	25.21	23.60	24.47	24.06	24.92	25.38
	12H	23.51	24.30	23.99	24.77	25.24	23.71	24.50	24.19	24.97	25.44
8H	4H	23.03	23.91	23.49	24.35	24.82	23.14	24.02	23.60	24.46	24.93
	6H	23.69	24.42	24.19	24.91	25.38	23.82	24.55	24.32	25.04	25.51
	8H	23.90	24.55	24.41	25.06	25.54	24.06	24.72	24.57	25.22	25.71
	12H	24.03	24.61	24.54	25.10	25.66	24.24	24.82	24.75	25.31	25.87
12H	4H	23.07	23.85	23.54	24.33	24.80	23.17	23.96	23.65	24.43	24.90
	6H	23.74	24.39	24.25	24.90	25.38	23.87	24.52	24.37	25.03	25.51
	8H	24.00	24.57	24.50	25.06	25.62	24.16	24.73	24.66	25.22	25.78