

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: P1588434

Luminaire Tested: 24CZSP-62-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-62-L835-S
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 5500 lumens, 80CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

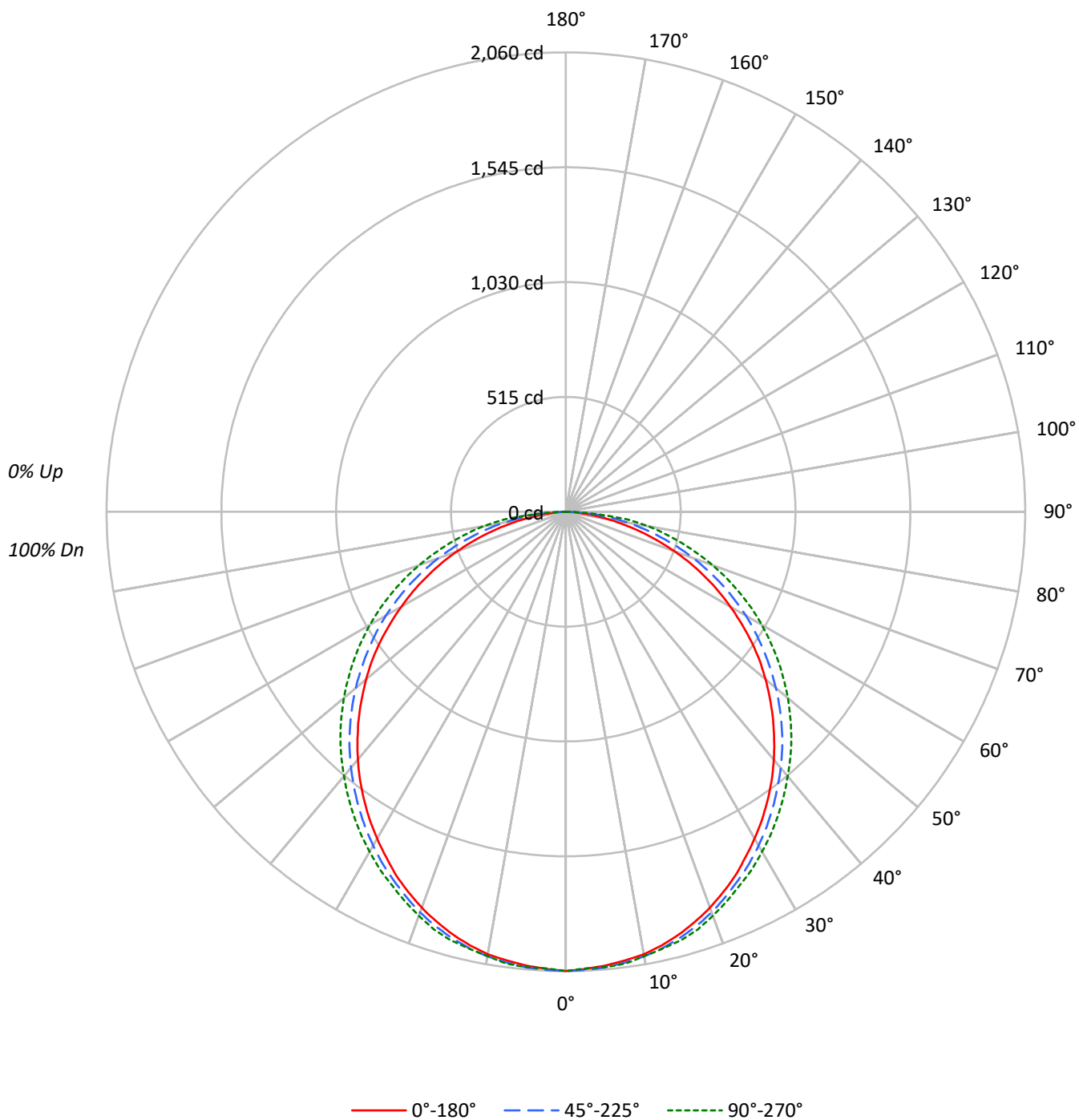
Lumens per Lamp: N/A
Luminaire Lumens: 6013.0 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 44.5
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			0
RW	70	50	30	10	70	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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3155	3155	3155
5°	3140	3152	3150
10°	3134	3148	3146
15°	3111	3136	3155
20°	3080	3116	3142
25°	3041	3084	3122
30°	2994	3057	3113
35°	2950	3027	3103
40°	2902	2997	3094
45°	2846	2967	3098
50°	2785	2930	3097
55°	2713	2889	3100
60°	2611	2857	3108
65°	2491	2802	3118
70°	2322	2724	3132
75°	2069	2616	3162
80°	1711	2491	3316
85°	1112	2249	2898

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3422 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	3.2
10°-20°	557.8	9.3
20°-30°	841.2	14.0
30°-40°	1013.2	16.8
40°-50°	1058.1	17.6
50°-60°	971.7	16.2
60°-70°	765.4	12.7
70°-80°	469.6	7.8
80°-90°	141.3	2.4
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°	1593.7	26.5
0°-40°	2606.9	43.4
0°-60°	4636.8	77.1
0°-90°	6013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2060	2060	2060	2060	2060	
5°	2042	2045	2050	2057	2049	194
15°	1962	1966	1978	1990	1990	553
25°	1800	1804	1825	1847	1847	828
35°	1578	1586	1619	1652	1660	987
45°	1314	1329	1370	1417	1430	1013
55°	1016	1034	1082	1143	1161	907
65°	687	711	773	838	860	680
75°	350	377	442	512	534	371
85°	63	87	128	162	165	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2059.6	2059.6	2059.6	2059.6	2059.6
2.5°	2051.7	2055.7	2057.0	2058.3	2049.1
5°	2042.5	2045.1	2050.4	2057.0	2049.1
7.5°	2029.3	2031.9	2038.5	2047.7	2043.8
10°	2014.8	2016.1	2024.0	2030.6	2022.7
12.5°	1991.0	1995.0	2004.2	2009.5	2006.8
15°	1962.0	1965.9	1977.8	1989.7	1989.7
17.5°	1927.7	1932.9	1947.5	1963.3	1964.6
20°	1889.4	1893.4	1911.8	1927.7	1927.7
22.5°	1845.9	1851.1	1869.6	1886.8	1889.4
25°	1799.7	1803.6	1824.8	1847.2	1847.2
27.5°	1745.6	1753.5	1779.9	1802.3	1807.6
30°	1692.8	1699.4	1728.4	1756.1	1760.1
32.5°	1637.4	1645.3	1675.7	1706.0	1712.6
35°	1578.0	1585.9	1618.9	1651.9	1659.8
37.5°	1516.0	1525.2	1559.6	1597.8	1605.7
40°	1451.4	1461.9	1498.9	1539.8	1547.7
42.5°	1382.8	1397.3	1436.8	1479.1	1490.9
45°	1314.1	1328.7	1369.6	1417.1	1430.3
47.5°	1241.6	1258.7	1300.9	1351.1	1365.6
50°	1169.0	1186.2	1229.7	1283.8	1299.6
52.5°	1095.1	1112.3	1157.1	1213.9	1231.0
55°	1016.0	1034.4	1081.9	1142.6	1161.1
57.5°	934.1	957.9	1008.0	1070.0	1088.5
60°	852.3	876.1	932.8	993.5	1014.6
62.5°	771.9	794.3	852.3	917.0	939.4
65°	687.4	711.2	773.2	837.8	860.3
67.5°	604.3	628.0	690.1	757.3	781.1
70°	518.5	544.9	608.3	675.5	699.3
72.5°	432.8	460.5	525.1	593.7	616.2
75°	349.6	377.4	442.0	511.9	534.4
77.5°	267.8	298.2	361.5	432.8	453.9
80°	194.0	223.0	282.4	352.3	376.0
82.5°	124.0	149.1	208.5	274.4	291.6
85°	63.3	87.1	128.0	162.3	164.9
87.5°	19.8	27.7	42.2	63.3	64.7
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	15.47	17.13	15.83	17.45	17.76	16.30	17.96	16.66	18.28	18.59
	3H	17.22	18.73	17.60	19.06	19.42	18.42	19.92	18.79	20.25	20.61
	4H	17.84	19.27	18.24	19.61	19.99	19.30	20.73	19.70	21.07	21.45
	6H	18.25	19.58	18.66	19.94	20.33	20.09	21.41	20.50	21.77	22.16
	8H	18.36	19.62	18.79	20.01	20.41	20.41	21.67	20.83	22.06	22.46
	12H	18.41	19.62	18.84	20.01	20.43	20.62	21.83	21.05	22.21	22.64
4H	2H	16.24	17.66	16.64	18.01	18.39	16.89	18.31	17.29	18.66	19.03
	3H	18.22	19.42	18.63	19.81	20.21	19.24	20.44	19.65	20.84	21.24
	4H	18.96	20.04	19.39	20.45	20.89	20.29	21.38	20.73	21.79	22.23
	6H	19.48	20.44	19.94	20.88	21.33	21.25	22.20	21.70	22.64	23.09
	8H	19.63	20.52	20.09	20.96	21.43	21.64	22.54	22.10	22.98	23.44
	12H	19.71	20.52	20.19	20.99	21.46	21.92	22.72	22.40	23.20	23.67
8H	4H	19.41	20.31	19.87	20.75	21.21	20.58	21.48	21.04	21.92	22.38
	6H	20.08	20.82	20.57	21.31	21.78	21.70	22.44	22.19	22.93	23.40
	8H	20.29	20.95	20.79	21.46	21.94	22.21	22.88	22.71	23.38	23.87
	12H	20.43	21.02	20.93	21.51	22.07	22.59	23.18	23.10	23.67	24.23
12H	4H	19.50	20.31	19.98	20.78	21.25	20.61	21.41	21.09	21.89	22.35
	6H	20.21	20.88	20.71	21.38	21.87	21.74	22.41	22.25	22.92	23.40
	8H	20.49	21.08	20.99	21.57	22.13	22.32	22.91	22.83	23.40	23.96