

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: P1588791

Luminaire Tested: 24CZSP-A-62-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2604-747-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-A-62-L950
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 5500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

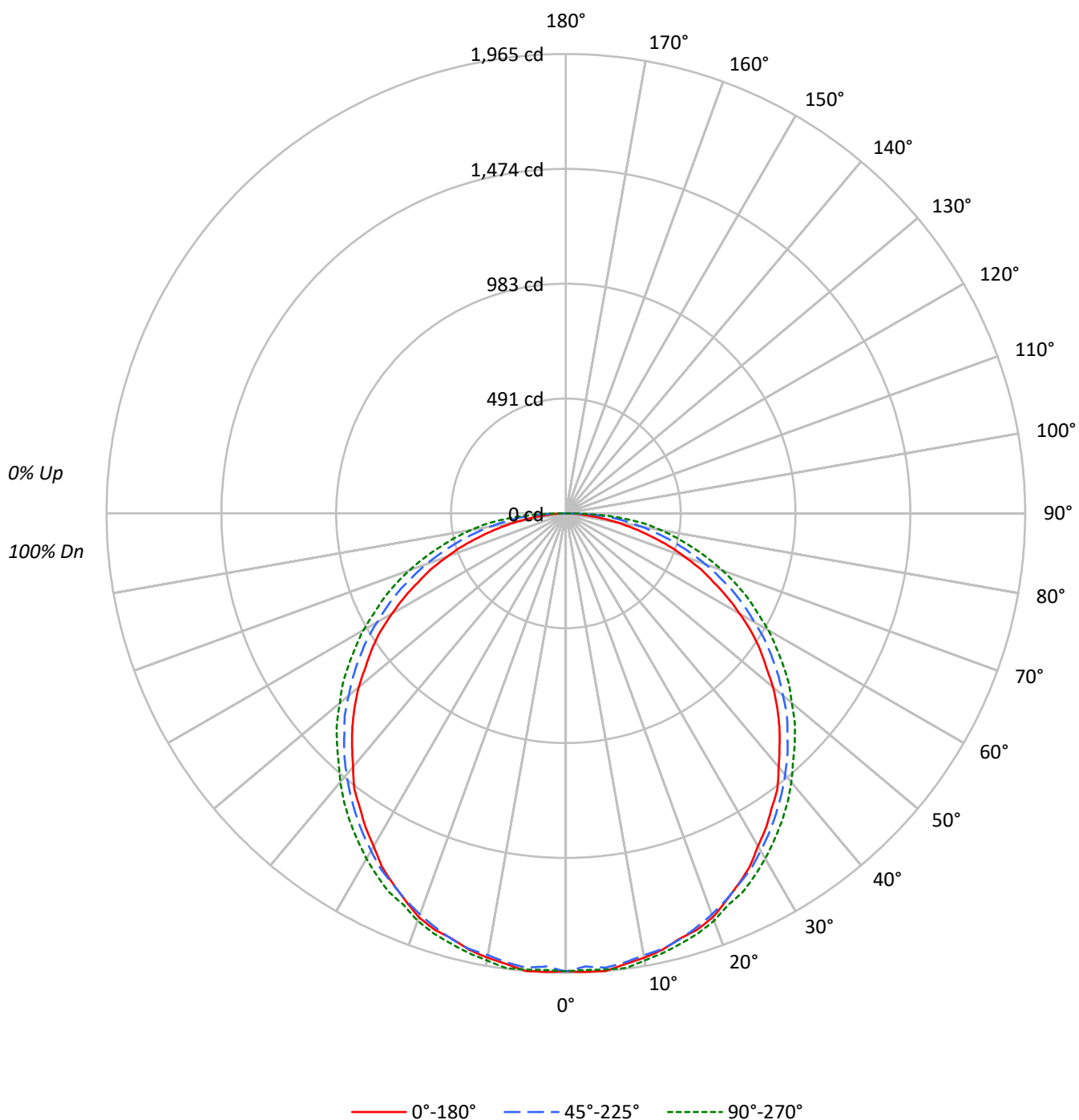
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5979.0 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
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

TEST NUMBER: P1588791
CATALOG NUMBER: 24CZSP-A-62-L950

Luminous Intensity Polar Plot



TEST NUMBER: P1588791

CATALOG NUMBER: 24CZSP-A-62-L950

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	108	103	98	94	105	100	96	92	96	93	89		92	89	87		89
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77
3	89	78	69	62	86	76	68	62	73	66	61		70	64	60		68
4	81	69	60	53	79	67	59	52	65	57	51		62	56	51		60
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54
6	69	55	46	39	67	54	45	39	52	44	39		50	44	38		49
7	64	50	41	35	62	49	40	34	47	40	34		46	39	34		45
8	59	45	37	31	58	45	36	31	43	36	30		42	35	30		41
9	55	42	33	28	54	41	33	28	40	33	27		39	32	27		38
10	52	38	30	25	51	38	30	25	37	30	25		36	29	25		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3000	3000	3000
5°	3021	2999	3012
10°	3002	2984	3020
15°	2986	2990	3020
20°	2997	2976	3022
25°	2955	2959	3022
30°	2907	2948	3016
35°	2873	2932	3009
40°	2832	2917	3000
45°	2798	2903	2999
50°	2757	2890	3006
55°	2707	2879	3032
60°	2632	2860	3066
65°	2527	2859	3113
70°	2411	2841	3187
75°	2220	2847	3304
80°	1945	2905	3637
85°	1485	3346	4353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 4828 cd/sqm

TEST NUMBER: P1588791

CATALOG NUMBER: 24CZSP-A-62-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	3.1
10°-20°	534.6	8.9
20°-30°	812.1	13.6
30°-40°	983.8	16.5
40°-50°	1035.0	17.3
50°-60°	962.4	16.1
60°-70°	774.9	13.0
70°-80°	501.9	8.4
80°-90°	188.2	3.1
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°	1532.8	25.6
0°-40°	2516.6	42.1
0°-60°	4513.9	75.5
0°-90°	5979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1959	1959	1959	1959	1959	
5°	1965	1962	1950	1962	1959	186
15°	1883	1890	1886	1909	1904	533
25°	1748	1747	1751	1781	1788	806
35°	1536	1548	1568	1595	1610	963
45°	1292	1309	1340	1369	1385	996
55°	1014	1040	1078	1121	1136	904
65°	697	729	789	836	859	693
75°	375	412	481	537	558	399
85°	84	125	190	238	248	104
90°	0	0	0	0	0	

TEST NUMBER: P1588791

CATALOG NUMBER: 24CZSP-A-62-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1958.9	1958.9	1958.9	1958.9	1958.9
2.5°	1963.2	1963.2	1940.2	1964.6	1954.6
5°	1964.6	1961.7	1950.3	1961.7	1958.9
7.5°	1944.5	1947.4	1937.4	1951.7	1961.7
10°	1930.2	1933.1	1918.8	1941.7	1941.7
12.5°	1911.6	1914.5	1908.7	1930.2	1925.9
15°	1883.0	1890.1	1885.8	1908.7	1904.4
17.5°	1867.2	1861.5	1857.2	1874.4	1883.0
20°	1838.6	1825.7	1825.7	1848.6	1854.3
22.5°	1792.8	1788.5	1789.9	1818.5	1812.8
25°	1748.4	1746.9	1751.2	1781.3	1788.5
27.5°	1704.0	1701.1	1714.0	1742.6	1748.4
30°	1643.8	1649.6	1666.7	1698.2	1705.4
32.5°	1593.7	1603.7	1619.5	1649.6	1658.2
35°	1536.4	1547.9	1567.9	1595.2	1609.5
37.5°	1486.3	1493.5	1515.0	1540.7	1557.9
40°	1416.2	1434.8	1459.1	1496.3	1500.6
42.5°	1353.2	1371.8	1403.3	1443.4	1439.1
45°	1291.6	1308.8	1340.3	1368.9	1384.7
47.5°	1225.7	1241.5	1283.0	1317.4	1328.8
50°	1157.0	1177.0	1212.8	1248.6	1261.5
52.5°	1079.7	1101.1	1147.0	1185.6	1204.2
55°	1013.8	1039.6	1078.2	1121.2	1135.5
57.5°	940.8	962.2	1009.5	1052.5	1066.8
60°	859.1	884.9	933.6	979.4	1000.9
62.5°	780.4	809.0	860.6	907.8	925.0
65°	697.3	728.8	789.0	836.2	859.1
67.5°	625.7	651.5	710.2	763.2	787.6
70°	538.4	572.8	634.3	693.0	711.7
72.5°	461.1	491.1	555.6	614.3	637.2
75°	375.2	412.4	481.1	537.0	558.4
77.5°	296.4	335.1	403.8	462.5	486.9
80°	220.5	257.7	329.3	389.5	412.4
82.5°	148.9	186.1	257.7	316.5	342.2
85°	84.5	124.6	190.4	237.7	247.7
87.5°	37.2	71.6	107.4	128.9	137.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1588791

CATALOG NUMBER: 24CZSP-A-62-L950

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	15.50	17.18	15.87	17.50	17.81	16.18	17.86	16.54	18.17	18.49
	3H	17.36	18.88	17.73	19.21	19.57	18.39	19.92	18.77	20.25	20.61
	4H	18.04	19.49	18.44	19.83	20.21	19.36	20.80	19.76	21.15	21.52
	6H	18.53	19.88	18.94	20.24	20.63	20.25	21.59	20.66	21.96	22.35
	8H	18.68	19.97	19.10	20.35	20.75	20.65	21.94	21.08	22.33	22.72
	12H	18.77	20.00	19.20	20.38	20.81	21.01	22.24	21.44	22.63	23.05
4H	2H	16.29	17.74	16.69	18.09	18.46	16.81	18.26	17.21	18.61	18.98
	3H	18.38	19.60	18.79	20.00	20.40	19.27	20.50	19.68	20.89	21.29
	4H	19.20	20.31	19.63	20.72	21.16	20.40	21.51	20.83	21.93	22.36
	6H	19.83	20.80	20.28	21.24	21.69	21.47	22.45	21.93	22.89	23.34
	8H	20.02	20.94	20.48	21.38	21.84	21.96	22.88	22.42	23.32	23.78
	12H	20.16	20.99	20.64	21.46	21.93	22.42	23.24	22.89	23.72	24.18
8H	4H	19.71	20.63	20.17	21.07	21.53	20.75	21.66	21.20	22.10	22.57
	6H	20.50	21.26	20.99	21.75	22.22	22.00	22.76	22.49	23.25	23.72
	8H	20.78	21.47	21.28	21.97	22.46	22.62	23.31	23.12	23.81	24.30
	12H	21.00	21.61	21.50	22.10	22.66	23.23	23.84	23.73	24.33	24.89
12H	4H	19.82	20.64	20.30	21.12	21.59	20.78	21.61	21.26	22.08	22.55
	6H	20.66	21.35	21.17	21.86	22.34	22.07	22.76	22.58	23.26	23.75
	8H	21.03	21.65	21.54	22.13	22.69	22.78	23.39	23.28	23.88	24.43

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

7 of 7