

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: P1588775

Luminaire Tested: 24CZSP-A-62-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588775
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-L835
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 5500 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

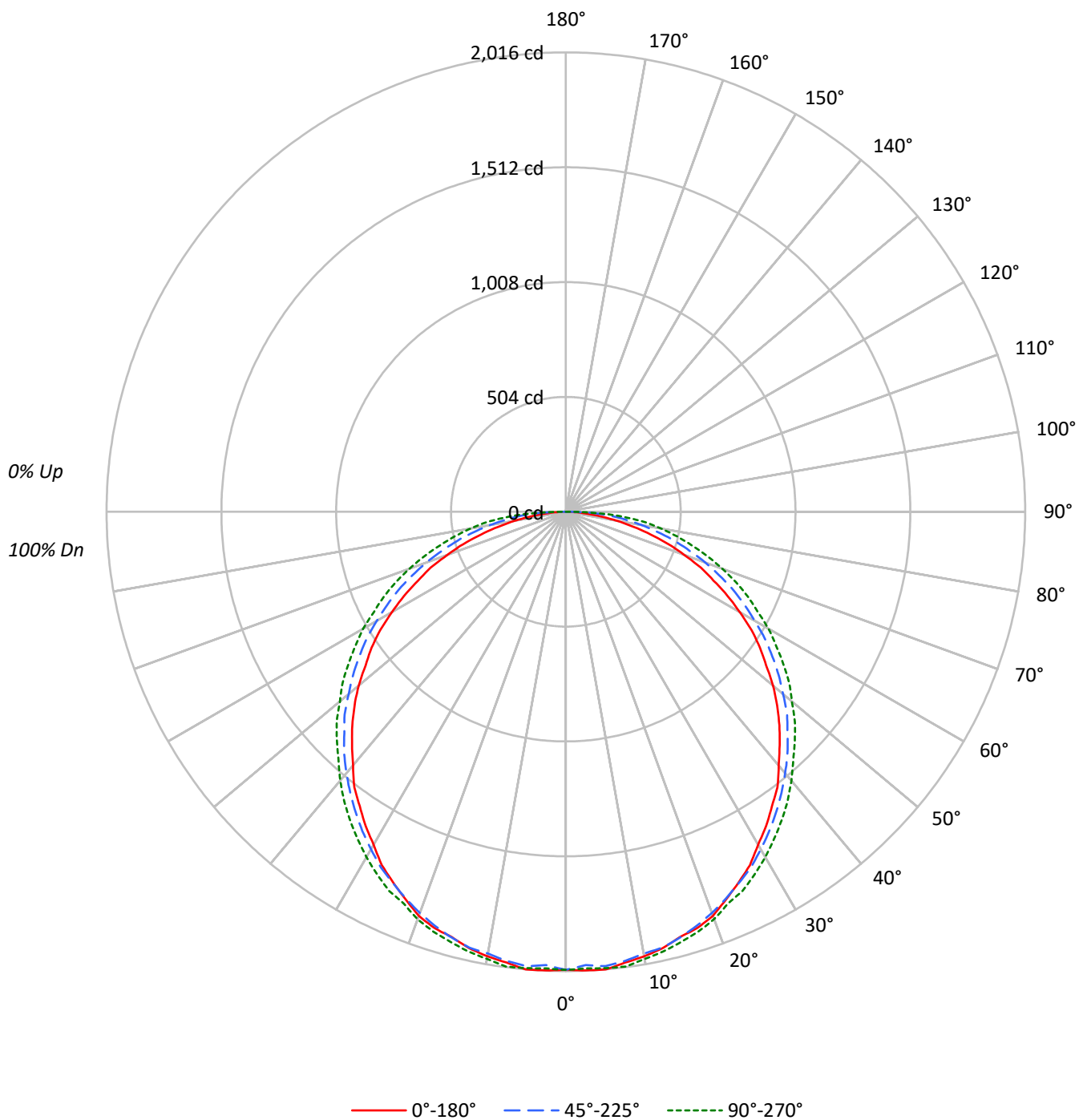
Lumens per Lamp: N/A
Luminaire Lumens: 6136.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82		
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67		
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56		
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	55	50	48		
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41		
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36		
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32		
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28		
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25		
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3079	3079	3079
5°	3100	3077	3091
10°	3081	3062	3099
15°	3064	3069	3099
20°	3076	3054	3102
25°	3032	3037	3102
30°	2984	3025	3095
35°	2948	3009	3088
40°	2906	2994	3079
45°	2871	2979	3078
50°	2829	2966	3085
55°	2778	2955	3112
60°	2701	2935	3147
65°	2594	2934	3195
70°	2474	2915	3270
75°	2278	2922	3391
80°	1996	2981	3733
85°	1524	3434	4467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 4955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	3.1
10°-20°	548.7	8.9
20°-30°	833.5	13.6
30°-40°	1009.6	16.5
40°-50°	1062.2	17.3
50°-60°	987.6	16.1
60°-70°	795.2	13.0
70°-80°	515.1	8.4
80°-90°	193.2	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°	1573.0	25.6
0°-40°	2582.6	42.1
0°-60°	4632.5	75.5
0°-90°	6136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2010	2010	2010	2010	2010	
5°	2016	2013	2002	2013	2010	191
15°	1932	1940	1935	1959	1954	547
25°	1794	1793	1797	1828	1835	827
35°	1577	1588	1609	1637	1652	988
45°	1326	1343	1376	1405	1421	1022
55°	1040	1067	1106	1151	1165	928
65°	716	748	810	858	882	712
75°	385	423	494	551	573	409
85°	87	128	195	244	254	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2010.3	2010.3	2010.3	2010.3	2010.3
2.5°	2014.7	2014.7	1991.2	2016.2	2005.9
5°	2016.2	2013.2	2001.5	2013.2	2010.3
7.5°	1995.6	1998.5	1988.2	2002.9	2013.2
10°	1980.9	1983.8	1969.1	1992.7	1992.7
12.5°	1961.8	1964.7	1958.9	1980.9	1976.5
15°	1932.4	1939.8	1935.3	1958.9	1954.5
17.5°	1916.2	1910.4	1906.0	1923.6	1932.4
20°	1886.9	1873.6	1873.6	1897.1	1903.0
22.5°	1839.8	1835.4	1836.9	1866.3	1860.4
25°	1794.3	1792.8	1797.2	1828.1	1835.4
27.5°	1748.7	1745.8	1759.0	1788.4	1794.3
30°	1687.0	1692.9	1710.5	1742.8	1750.2
32.5°	1635.6	1645.9	1662.0	1692.9	1701.7
35°	1576.8	1588.5	1609.1	1637.0	1651.7
37.5°	1525.4	1532.7	1554.7	1581.2	1598.8
40°	1453.3	1472.5	1497.4	1535.6	1540.0
42.5°	1388.7	1407.8	1440.1	1481.3	1476.9
45°	1325.5	1343.1	1375.5	1404.9	1421.0
47.5°	1257.9	1274.1	1316.7	1352.0	1363.7
50°	1187.4	1207.9	1244.7	1281.4	1294.6
52.5°	1108.0	1130.1	1177.1	1216.8	1235.9
55°	1040.4	1066.9	1106.5	1150.6	1165.3
57.5°	965.5	987.5	1036.0	1080.1	1094.8
60°	881.7	908.2	958.1	1005.1	1027.2
62.5°	800.9	830.3	883.2	931.7	949.3
65°	715.7	748.0	809.7	858.2	881.7
67.5°	642.2	668.6	728.9	783.2	808.2
70°	552.5	587.8	651.0	711.2	730.3
72.5°	473.2	504.0	570.2	630.4	653.9
75°	385.0	423.2	493.8	551.1	573.1
77.5°	304.2	343.9	414.4	474.7	499.6
80°	226.3	264.5	338.0	399.7	423.2
82.5°	152.8	191.0	264.5	324.8	351.2
85°	86.7	127.8	195.4	243.9	254.2
87.5°	38.2	73.5	110.2	132.3	141.1
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	15.59	17.27	15.96	17.59	17.90	16.27	17.95	16.63	18.26	18.58
	3H	17.45	18.97	17.82	19.30	19.66	18.48	20.01	18.86	20.34	20.70
	4H	18.13	19.58	18.53	19.92	20.30	19.45	20.89	19.84	21.24	21.61
	6H	18.62	19.97	19.03	20.33	20.72	20.34	21.68	20.75	22.04	22.44
	8H	18.77	20.06	19.19	20.44	20.84	20.74	22.03	21.17	22.42	22.81
	12H	18.86	20.09	19.29	20.47	20.90	21.10	22.33	21.53	22.72	23.14
4H	2H	16.38	17.83	16.78	18.18	18.55	16.90	18.35	17.30	18.70	19.07
	3H	18.47	19.69	18.88	20.09	20.49	19.36	20.59	19.77	20.98	21.38
	4H	19.29	20.40	19.72	20.81	21.25	20.49	21.60	20.92	22.02	22.45
	6H	19.92	20.89	20.37	21.33	21.78	21.56	22.54	22.02	22.98	23.43
	8H	20.11	21.03	20.57	21.47	21.93	22.05	22.97	22.51	23.41	23.87
	12H	20.25	21.08	20.73	21.55	22.02	22.51	23.33	22.98	23.81	24.27
8H	4H	19.80	20.72	20.26	21.16	21.62	20.84	21.75	21.29	22.19	22.66
	6H	20.59	21.35	21.08	21.84	22.31	22.09	22.85	22.58	23.34	23.81
	8H	20.87	21.56	21.38	22.06	22.55	22.71	23.40	23.21	23.90	24.39
	12H	21.09	21.70	21.59	22.19	22.75	23.32	23.93	23.82	24.42	24.98
12H	4H	19.91	20.74	20.39	21.21	21.68	20.87	21.70	21.35	22.17	22.64
	6H	20.75	21.44	21.26	21.95	22.43	22.16	22.85	22.67	23.35	23.84
	8H	21.12	21.74	21.63	22.22	22.78	22.87	23.48	23.37	23.97	24.52