

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: P1587765

Luminaire Tested: 22CZSP-SB-52-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-52-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

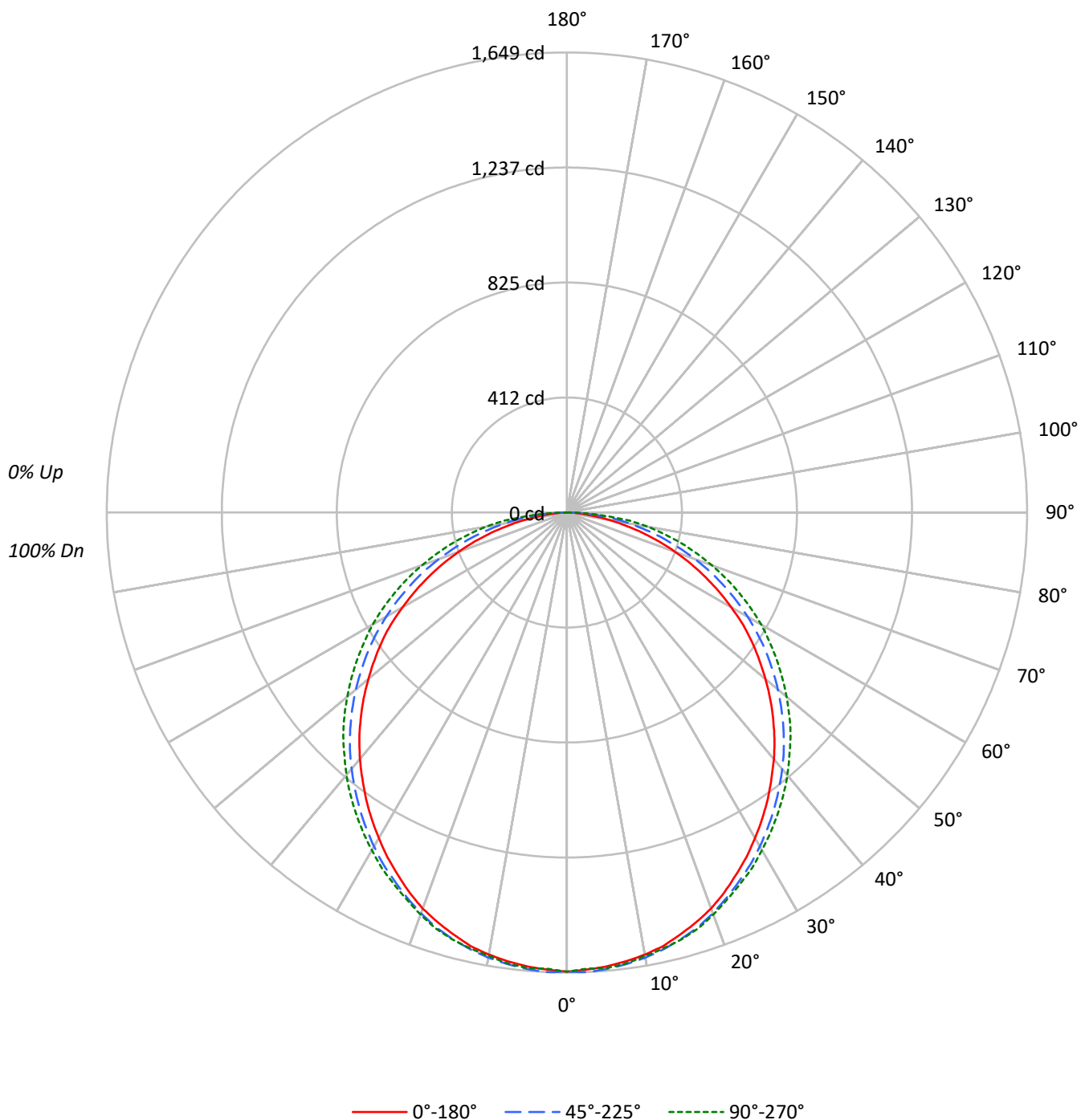
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4803.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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			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	68
3	89	79	70	63	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°	5154	5154	5154
5°	5135	5163	5151
10°	5117	5152	5133
15°	5078	5131	5138
20°	5034	5095	5112
25°	4952	5040	5075
30°	4874	4999	5054
35°	4795	4951	5036
40°	4716	4907	5024
45°	4628	4862	5020
50°	4526	4809	5006
55°	4423	4756	5006
60°	4259	4686	5036
65°	4060	4595	5039
70°	3788	4467	5054
75°	3369	4305	5141
80°	2768	4124	5334
85°	1825	3873	4822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	3.2
10°-20°	445.6	9.3
20°-30°	671.7	14.0
30°-40°	808.8	16.8
40°-50°	845.0	17.6
50°-60°	776.3	16.2
60°-70°	611.4	12.7
70°-80°	374.8	7.8
80°-90°	113.7	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°	1273.0	26.5
0°-40°	2081.8	43.3
0°-60°	3703.2	77.1
0°-90°	4803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1646	1646	1646	1646	1646	
5°	1634	1637	1643	1641	1639	155
15°	1566	1573	1583	1589	1585	442
25°	1433	1442	1459	1474	1469	661
35°	1254	1271	1295	1318	1317	785
45°	1045	1067	1098	1128	1134	806
55°	810	834	871	909	917	723
65°	548	576	620	662	680	542
75°	278	311	356	398	425	296
85°	51	75	108	120	134	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1645.8	1645.8	1645.8	1645.8	1645.8
2.5°	1639.7	1643.8	1648.8	1640.7	1636.6
5°	1633.6	1636.6	1642.7	1640.7	1638.7
7.5°	1622.4	1624.4	1632.6	1632.6	1630.5
10°	1609.2	1613.3	1620.4	1619.4	1614.3
12.5°	1591.9	1595.0	1603.1	1603.1	1600.1
15°	1566.5	1572.6	1582.8	1588.9	1584.8
17.5°	1540.1	1546.2	1559.4	1565.5	1563.5
20°	1510.6	1515.7	1528.9	1538.0	1534.0
22.5°	1474.0	1480.1	1495.3	1505.5	1501.4
25°	1433.3	1442.5	1458.8	1474.0	1468.9
27.5°	1392.7	1402.8	1423.2	1438.4	1436.4
30°	1347.9	1361.2	1382.5	1401.8	1397.8
32.5°	1302.2	1317.4	1339.8	1360.1	1359.1
35°	1254.4	1270.7	1295.1	1318.5	1317.4
37.5°	1203.6	1222.9	1248.3	1273.7	1274.8
40°	1153.8	1172.1	1200.5	1228.0	1229.0
42.5°	1100.9	1120.2	1150.7	1179.2	1180.2
45°	1045.0	1067.4	1097.9	1128.4	1133.5
47.5°	988.1	1011.5	1043.0	1075.5	1081.6
50°	929.1	953.5	987.1	1021.6	1027.7
52.5°	869.2	894.6	929.1	963.7	972.8
55°	810.2	833.6	871.2	908.8	916.9
57.5°	748.2	769.5	810.2	849.8	860.0
60°	680.1	706.5	748.2	787.8	804.1
62.5°	614.0	642.5	685.2	724.8	743.1
65°	547.9	576.4	620.1	661.8	680.1
67.5°	480.8	510.3	557.1	596.7	617.0
70°	413.7	443.2	487.9	530.6	552.0
72.5°	346.6	378.2	421.9	465.6	486.9
75°	278.5	311.1	355.8	398.5	424.9
77.5°	214.5	246.0	290.7	334.4	356.8
80°	153.5	185.0	228.7	272.4	295.8
82.5°	97.6	127.1	169.8	206.4	227.7
85°	50.8	75.2	107.8	120.0	134.2
87.5°	15.2	29.5	41.7	46.8	57.9
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	17.21	18.87	17.58	19.19	19.50	17.96	19.62	18.32	19.93	20.25
	3H	18.97	20.48	19.35	20.81	21.17	20.05	21.56	20.43	21.89	22.25
	4H	19.60	21.02	19.99	21.37	21.74	20.94	22.36	21.33	22.71	23.08
	6H	20.01	21.33	20.42	21.69	22.08	21.70	23.02	22.11	23.39	23.78
	8H	20.12	21.38	20.54	21.77	22.17	22.01	23.28	22.44	23.67	24.06
	12H	20.17	21.38	20.60	21.76	22.19	22.23	23.44	22.66	23.82	24.25
4H	2H	17.98	19.40	18.38	19.75	20.12	18.56	19.98	18.96	20.33	20.70
	3H	19.97	21.17	20.38	21.57	21.97	20.89	22.09	21.30	22.48	22.88
	4H	20.73	21.81	21.16	22.23	22.66	21.92	23.01	22.35	23.42	23.86
	6H	21.26	22.22	21.72	22.66	23.11	22.85	23.81	23.31	24.25	24.70
	8H	21.41	22.30	21.87	22.75	23.21	23.24	24.13	23.70	24.57	25.04
	12H	21.50	22.30	21.98	22.78	23.24	23.51	24.32	23.99	24.79	25.26
8H	4H	21.18	22.07	21.64	22.51	22.98	22.22	23.12	22.68	23.56	24.02
	6H	21.86	22.60	22.35	23.09	23.56	23.31	24.05	23.80	24.54	25.01
	8H	22.08	22.75	22.59	23.25	23.74	23.80	24.46	24.30	24.97	25.45
	12H	22.23	22.82	22.73	23.31	23.87	24.17	24.76	24.67	25.25	25.81
12H	4H	21.26	22.07	21.74	22.54	23.01	22.25	23.05	22.73	23.53	24.00
	6H	21.98	22.66	22.49	23.16	23.64	23.36	24.03	23.87	24.53	25.02
	8H	22.28	22.87	22.78	23.36	23.92	23.91	24.51	24.42	24.99	25.55