

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: P1587651

Luminaire Tested: 22CZSP-SB-35-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587651
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-35-L950
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

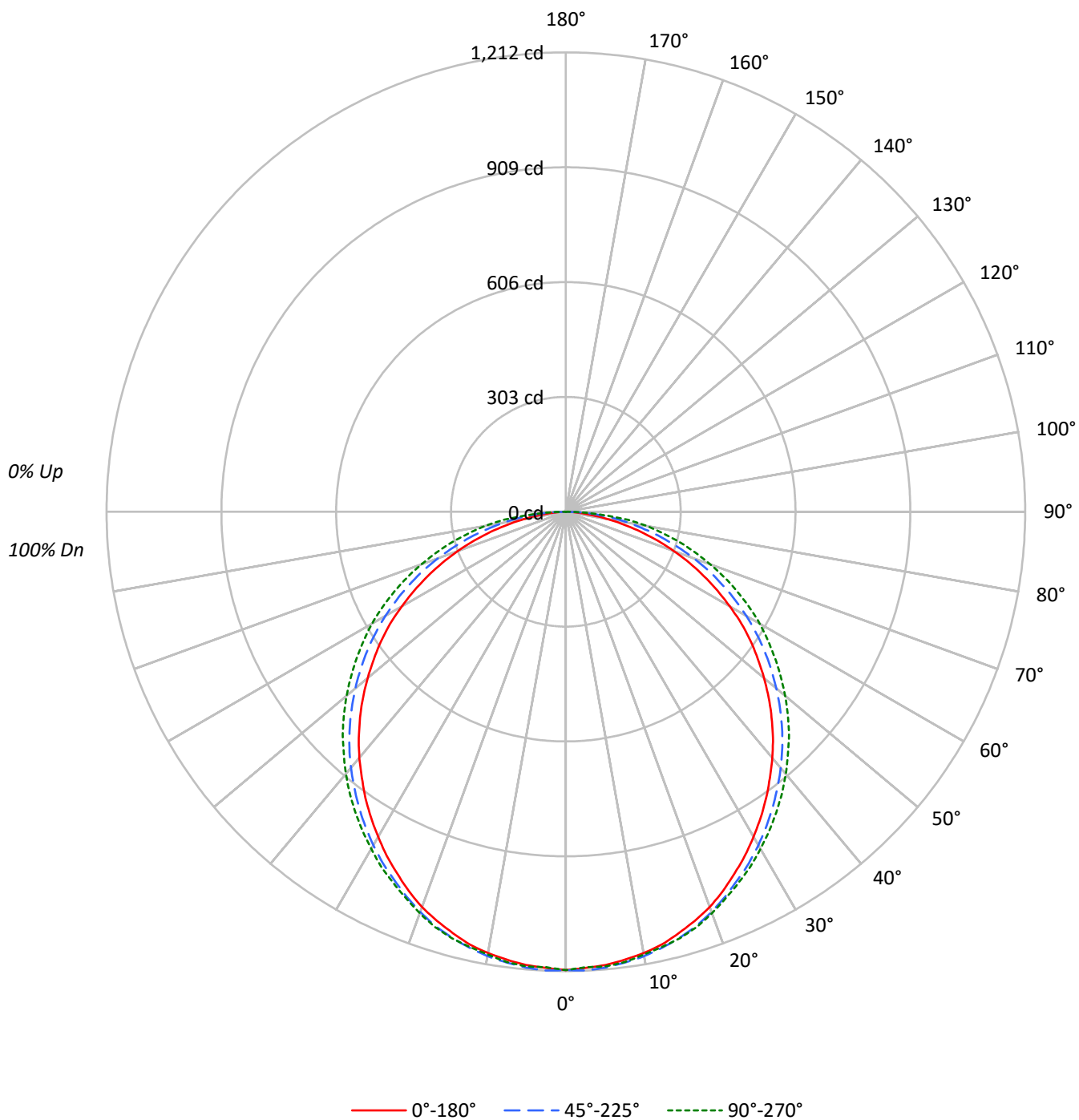
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529.0 lumens
Efficiency: N/A
Efficacy: 142.9 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): 24.7
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°	3786	3786	3786
5°	3773	3794	3785
10°	3760	3786	3771
15°	3731	3770	3775
20°	3699	3743	3756
25°	3638	3703	3729
30°	3581	3673	3713
35°	3523	3638	3700
40°	3465	3606	3691
45°	3400	3572	3688
50°	3326	3533	3678
55°	3250	3494	3678
60°	3129	3443	3700
65°	2983	3376	3702
70°	2783	3282	3713
75°	2477	3163	3777
80°	2034	3031	3920
85°	1340	2845	3542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4014 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	3.2
10°-20°	327.4	9.3
20°-30°	493.5	14.0
30°-40°	594.3	16.8
40°-50°	620.9	17.6
50°-60°	570.4	16.2
60°-70°	449.2	12.7
70°-80°	275.4	7.8
80°-90°	83.5	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°	935.3	26.5
0°-40°	1529.6	43.3
0°-60°	2720.9	77.1
0°-90°	3529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1200	1202	1207	1206	1204	114
15°	1151	1156	1163	1167	1164	325
25°	1053	1060	1072	1083	1079	485
35°	922	934	952	969	968	576
45°	768	784	807	829	833	592
55°	595	612	640	668	674	531
65°	403	424	456	486	500	398
75°	205	229	261	293	312	218
85°	37	55	79	88	99	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.2	1209.2	1209.2	1209.2	1209.2
2.5°	1204.8	1207.8	1211.5	1205.5	1202.5
5°	1200.3	1202.5	1207.0	1205.5	1204.0
7.5°	1192.1	1193.6	1199.5	1199.5	1198.0
10°	1182.4	1185.3	1190.6	1189.8	1186.1
12.5°	1169.7	1171.9	1177.9	1177.9	1175.6
15°	1151.0	1155.5	1162.9	1167.4	1164.4
17.5°	1131.6	1136.0	1145.8	1150.2	1148.7
20°	1109.9	1113.6	1123.4	1130.1	1127.1
22.5°	1083.0	1087.5	1098.7	1106.2	1103.2
25°	1053.1	1059.9	1071.8	1083.0	1079.3
27.5°	1023.3	1030.7	1045.7	1056.9	1055.4
30°	990.4	1000.1	1015.8	1030.0	1027.0
32.5°	956.8	968.0	984.4	999.4	998.6
35°	921.7	933.6	951.6	968.7	968.0
37.5°	884.3	898.5	917.2	935.9	936.6
40°	847.7	861.2	882.1	902.3	903.0
42.5°	808.9	823.1	845.5	866.4	867.2
45°	767.8	784.3	806.7	829.1	832.8
47.5°	726.0	743.2	766.3	790.2	794.7
50°	682.7	700.6	725.2	750.6	755.1
52.5°	638.6	657.3	682.7	708.1	714.8
55°	595.3	612.5	640.1	667.7	673.7
57.5°	549.7	565.4	595.3	624.4	631.9
60°	499.7	519.1	549.7	578.9	590.8
62.5°	451.1	472.0	503.4	532.5	546.0
65°	402.6	423.5	455.6	486.2	499.7
67.5°	353.3	374.9	409.3	438.4	453.4
70°	304.0	325.7	358.5	389.9	405.6
72.5°	254.7	277.9	310.0	342.1	357.8
75°	204.7	228.6	261.4	292.8	312.2
77.5°	157.6	180.8	213.6	245.7	262.2
80°	112.8	135.9	168.1	200.2	217.4
82.5°	71.7	93.4	124.7	151.6	167.3
85°	37.3	55.3	79.2	88.1	98.6
87.5°	11.2	21.7	30.6	34.4	42.6
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	16.14	17.80	16.50	18.12	18.43	16.89	18.55	17.25	18.86	19.18
	3H	17.90	19.41	18.28	19.74	20.10	18.98	20.49	19.36	20.81	21.17
	4H	18.53	19.95	18.92	20.30	20.67	19.87	21.29	20.26	21.64	22.01
	6H	18.94	20.26	19.35	20.62	21.01	20.63	21.95	21.04	22.32	22.71
	8H	19.05	20.31	19.47	20.70	21.09	20.94	22.21	21.37	22.60	22.99
	12H	19.10	20.31	19.53	20.69	21.12	21.16	22.37	21.59	22.75	23.18
4H	2H	16.91	18.33	17.31	18.68	19.05	17.49	18.91	17.89	19.26	19.63
	3H	18.90	20.10	19.31	20.50	20.90	19.82	21.02	20.23	21.41	21.81
	4H	19.66	20.74	20.09	21.16	21.59	20.85	21.94	21.28	22.35	22.79
	6H	20.19	21.15	20.65	21.59	22.04	21.78	22.74	22.24	23.18	23.63
	8H	20.34	21.23	20.80	21.67	22.14	22.17	23.06	22.63	23.50	23.96
	12H	20.43	21.23	20.91	21.70	22.17	22.44	23.25	22.92	23.72	24.19
8H	4H	20.11	21.00	20.57	21.44	21.91	21.15	22.04	21.61	22.49	22.95
	6H	20.79	21.53	21.28	22.02	22.49	22.24	22.98	22.73	23.47	23.94
	8H	21.01	21.68	21.51	22.18	22.67	22.72	23.39	23.23	23.90	24.38
	12H	21.15	21.75	21.66	22.24	22.80	23.10	23.69	23.60	24.18	24.74
12H	4H	20.19	21.00	20.67	21.47	21.94	21.18	21.98	21.66	22.46	22.93
	6H	20.91	21.58	21.42	22.09	22.57	22.29	22.96	22.80	23.46	23.95
	8H	21.21	21.80	21.71	22.29	22.85	22.84	23.43	23.35	23.92	24.48