

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: P1587647

Luminaire Tested: 22CZSP-SB-35-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587647
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-L940
Description: 2x2 CZSP LED Luminaire, 4000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

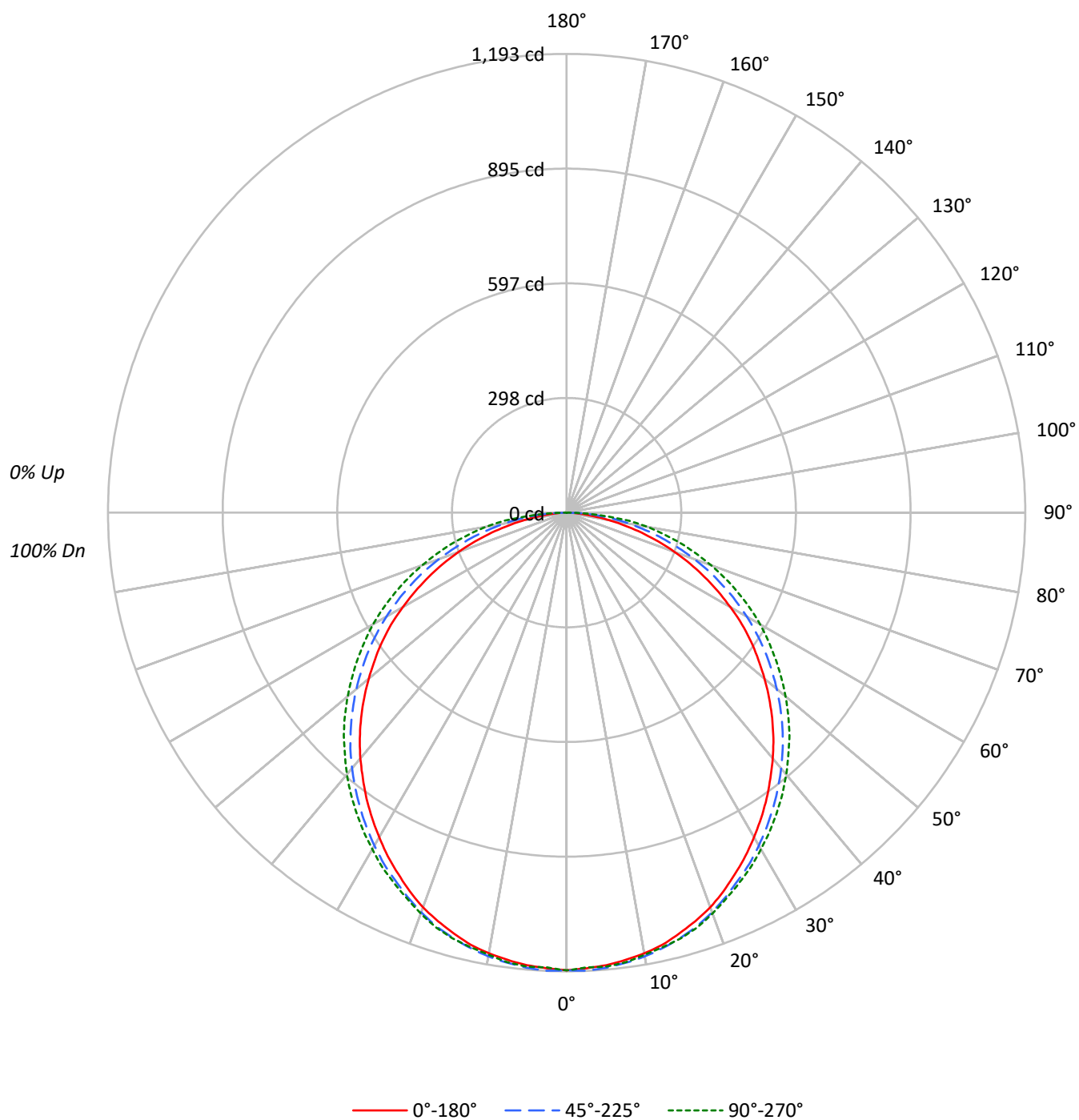
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3474.0 lumens
Efficiency: N/A
Efficacy: 140.6 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°	3728	3728	3728
5°	3714	3735	3726
10°	3701	3727	3713
15°	3673	3711	3716
20°	3641	3685	3697
25°	3582	3645	3671
30°	3525	3616	3656
35°	3468	3581	3643
40°	3411	3550	3634
45°	3347	3517	3630
50°	3274	3478	3621
55°	3199	3440	3621
60°	3081	3389	3642
65°	2936	3323	3645
70°	2740	3231	3656
75°	2438	3113	3718
80°	2002	2983	3859
85°	1322	2799	3489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3951 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	3.2
10°-20°	322.3	9.3
20°-30°	485.8	14.0
30°-40°	585.0	16.8
40°-50°	611.2	17.6
50°-60°	561.5	16.2
60°-70°	442.2	12.7
70°-80°	271.1	7.8
80°-90°	82.2	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°	920.7	26.5
0°-40°	1505.8	43.3
0°-60°	2678.5	77.1
0°-90°	3474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1182	1184	1188	1187	1185	112
15°	1133	1138	1145	1149	1146	320
25°	1037	1043	1055	1066	1062	478
35°	907	919	937	954	953	568
45°	756	772	794	816	820	583
55°	586	603	630	657	663	523
65°	396	417	448	479	492	392
75°	202	225	257	288	307	214
85°	37	54	78	87	97	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1190.4	1190.4	1190.4	1190.4	1190.4
2.5°	1186.0	1188.9	1192.6	1186.7	1183.8
5°	1181.6	1183.8	1188.2	1186.7	1185.3
7.5°	1173.5	1175.0	1180.8	1180.8	1179.4
10°	1163.9	1166.9	1172.0	1171.3	1167.6
12.5°	1151.4	1153.6	1159.5	1159.5	1157.3
15°	1133.0	1137.5	1144.8	1149.2	1146.3
17.5°	1113.9	1118.3	1127.9	1132.3	1130.8
20°	1092.6	1096.3	1105.8	1112.5	1109.5
22.5°	1066.1	1070.6	1081.6	1088.9	1086.0
25°	1036.7	1043.3	1055.1	1066.1	1062.5
27.5°	1007.3	1014.7	1029.4	1040.4	1038.9
30°	975.0	984.5	1000.0	1013.9	1011.0
32.5°	941.9	952.9	969.1	983.8	983.1
35°	907.3	919.1	936.7	953.6	952.9
37.5°	870.6	884.5	902.9	921.3	922.0
40°	834.5	847.8	868.4	888.2	888.9
42.5°	796.3	810.3	832.3	852.9	853.6
45°	755.9	772.0	794.1	816.1	819.8
47.5°	714.7	731.6	754.4	777.9	782.3
50°	672.0	689.7	713.9	738.9	743.4
52.5°	628.7	647.0	672.0	697.0	703.7
55°	586.0	602.9	630.1	657.3	663.2
57.5°	541.2	556.6	586.0	614.7	622.0
60°	491.9	511.0	541.2	569.8	581.6
62.5°	444.1	464.7	495.6	524.2	537.5
65°	396.3	416.9	448.5	478.7	491.9
67.5°	347.8	369.1	402.9	431.6	446.3
70°	299.3	320.6	352.9	383.8	399.3
72.5°	250.7	273.5	305.1	336.8	352.2
75°	201.5	225.0	257.3	288.2	307.3
77.5°	155.1	177.9	210.3	241.9	258.1
80°	111.0	133.8	165.4	197.1	214.0
82.5°	70.6	91.9	122.8	149.3	164.7
85°	36.8	54.4	77.9	86.8	97.1
87.5°	11.0	21.3	30.1	33.8	41.9
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	16.09	17.75	16.45	18.06	18.38	16.83	18.49	17.20	18.81	19.12
	3H	17.85	19.36	18.22	19.68	20.04	18.93	20.43	19.30	20.76	21.12
	4H	18.47	19.89	18.87	20.24	20.62	19.81	21.23	20.21	21.58	21.96
	6H	18.88	20.21	19.29	20.57	20.96	20.58	21.90	20.99	22.26	22.65
	8H	18.99	20.25	19.41	20.64	21.04	20.89	22.15	21.31	22.54	22.94
	12H	19.04	20.25	19.47	20.63	21.06	21.10	22.31	21.53	22.69	23.12
4H	2H	16.86	18.28	17.25	18.62	19.00	17.43	18.86	17.83	19.20	19.58
	3H	18.85	20.05	19.26	20.44	20.84	19.76	20.96	20.17	21.36	21.76
	4H	19.60	20.69	20.03	21.10	21.54	20.80	21.88	21.23	22.30	22.73
	6H	20.14	21.09	20.59	21.53	21.98	21.73	22.68	22.18	23.12	23.57
	8H	20.29	21.18	20.74	21.62	22.08	22.11	23.00	22.57	23.45	23.91
	12H	20.37	21.18	20.85	21.65	22.12	22.39	23.19	22.87	23.67	24.13
8H	4H	20.05	20.95	20.51	21.39	21.85	21.10	21.99	21.56	22.43	22.90
	6H	20.73	21.48	21.22	21.96	22.44	22.18	22.93	22.67	23.41	23.89
	8H	20.95	21.62	21.46	22.13	22.61	22.67	23.34	23.18	23.84	24.33
	12H	21.10	21.69	21.61	22.18	22.74	23.04	23.64	23.55	24.13	24.69
12H	4H	20.14	20.94	20.62	21.42	21.88	21.13	21.93	21.60	22.40	22.87
	6H	20.86	21.53	21.37	22.03	22.52	22.23	22.90	22.74	23.41	23.89
	8H	21.15	21.74	21.66	22.23	22.79	22.79	23.38	23.29	23.87	24.43