

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: P1587635

Luminaire Tested: 22CZSP-SB-35-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587635
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-L835
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

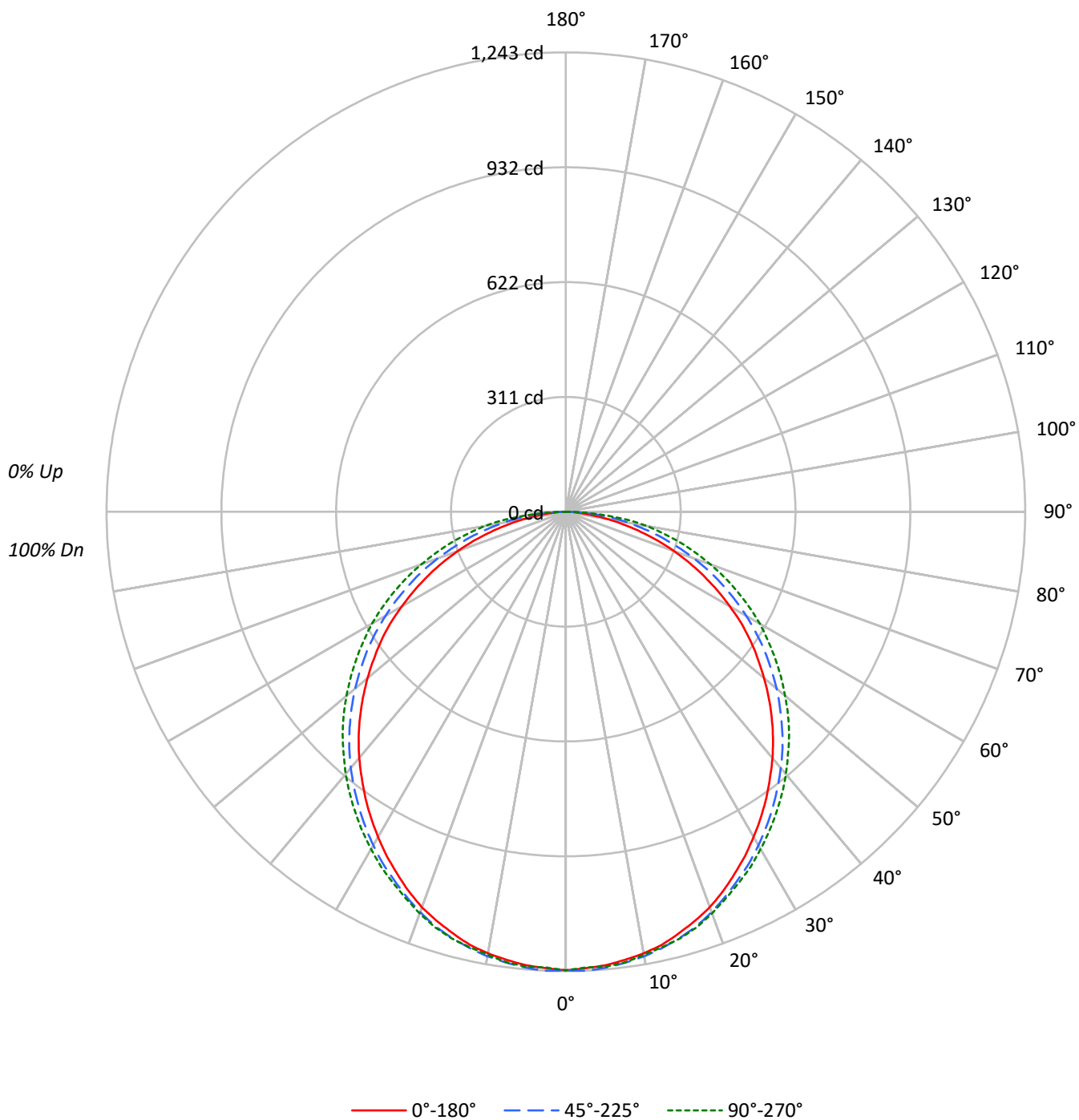
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3621.0 lumens
Efficiency: N/A
Efficacy: 146.6 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°	3885	3885	3885
5°	3871	3893	3883
10°	3858	3884	3870
15°	3829	3868	3873
20°	3795	3841	3854
25°	3734	3800	3826
30°	3674	3769	3810
35°	3615	3732	3797
40°	3555	3700	3788
45°	3489	3665	3784
50°	3412	3625	3774
55°	3335	3586	3774
60°	3211	3533	3796
65°	3061	3464	3799
70°	2856	3368	3810
75°	2541	3245	3875
80°	2086	3109	4021
85°	1376	2917	3636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	3.2
10°-20°	336.0	9.3
20°-30°	506.4	14.0
30°-40°	609.8	16.8
40°-50°	637.1	17.6
50°-60°	585.3	16.2
60°-70°	460.9	12.7
70°-80°	282.6	7.8
80°-90°	85.7	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°	959.7	26.5
0°-40°	1569.5	43.3
0°-60°	2791.8	77.1
0°-90°	3621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3621.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1232	1234	1238	1237	1235	117
15°	1181	1186	1193	1198	1195	333
25°	1081	1088	1100	1111	1107	498
35°	946	958	976	994	993	592
45°	788	805	828	851	854	608
55°	611	628	657	685	691	545
65°	413	434	468	499	513	408
75°	210	234	268	300	320	223
85°	38	57	81	90	101	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1240.8	1240.8	1240.8	1240.8	1240.8
2.5°	1236.2	1239.2	1243.1	1236.9	1233.9
5°	1231.6	1233.9	1238.5	1236.9	1235.4
7.5°	1223.1	1224.7	1230.8	1230.8	1229.3
10°	1213.2	1216.2	1221.6	1220.8	1217.0
12.5°	1200.2	1202.5	1208.6	1208.6	1206.3
15°	1181.0	1185.6	1193.3	1197.9	1194.8
17.5°	1161.1	1165.7	1175.6	1180.2	1178.7
20°	1138.8	1142.7	1152.6	1159.5	1156.5
22.5°	1111.3	1115.9	1127.3	1135.0	1131.9
25°	1080.6	1087.5	1099.8	1111.3	1107.4
27.5°	1049.9	1057.6	1072.9	1084.4	1082.9
30°	1016.2	1026.2	1042.3	1056.8	1053.8
32.5°	981.7	993.2	1010.1	1025.4	1024.7
35°	945.7	958.0	976.4	994.0	993.2
37.5°	907.4	922.0	941.1	960.3	961.0
40°	869.8	883.6	905.1	925.8	926.6
42.5°	830.0	844.6	867.5	889.0	889.8
45°	787.8	804.7	827.7	850.7	854.5
47.5°	744.9	762.5	786.3	810.8	815.4
50°	700.5	718.9	744.2	770.2	774.8
52.5°	655.3	674.4	700.5	726.5	733.4
55°	610.8	628.4	656.8	685.1	691.3
57.5°	564.1	580.2	610.8	640.7	648.4
60°	512.7	532.6	564.1	593.9	606.2
62.5°	462.9	484.4	516.5	546.4	560.2
65°	413.1	434.5	467.5	498.9	512.7
67.5°	362.5	384.7	420.0	449.9	465.2
70°	311.9	334.1	367.9	400.1	416.1
72.5°	261.3	285.1	318.0	351.0	367.1
75°	210.0	234.5	268.2	300.4	320.3
77.5°	161.7	185.5	219.2	252.1	269.0
80°	115.7	139.5	172.4	205.4	223.0
82.5°	73.6	95.8	128.0	155.6	171.7
85°	38.3	56.7	81.2	90.4	101.2
87.5°	11.5	22.2	31.4	35.3	43.7
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	16.23	17.89	16.59	18.21	18.52	16.98	18.64	17.34	18.95	19.27
	3H	17.99	19.50	18.37	19.83	20.18	19.07	20.58	19.45	20.90	21.26
	4H	18.62	20.04	19.01	20.39	20.76	19.95	21.38	20.35	21.72	22.10
	6H	19.03	20.35	19.44	20.71	21.10	20.72	22.04	21.13	22.41	22.80
	8H	19.13	20.40	19.56	20.79	21.18	21.03	22.30	21.46	22.68	23.08
	12H	19.19	20.40	19.62	20.78	21.21	21.25	22.46	21.68	22.84	23.27
4H	2H	17.00	18.42	17.40	18.77	19.14	17.58	19.00	17.98	19.35	19.72
	3H	18.99	20.19	19.40	20.59	20.99	19.91	21.11	20.32	21.50	21.90
	4H	19.75	20.83	20.18	21.25	21.68	20.94	22.03	21.37	22.44	22.88
	6H	20.28	21.24	20.74	21.67	22.13	21.87	22.82	22.32	23.26	23.72
	8H	20.43	21.32	20.89	21.76	22.23	22.26	23.15	22.71	23.59	24.05
	12H	20.52	21.32	20.99	21.79	22.26	22.53	23.34	23.01	23.81	24.28
8H	4H	20.20	21.09	20.66	21.53	22.00	21.24	22.13	21.70	22.58	23.04
	6H	20.88	21.62	21.37	22.11	22.58	22.33	23.07	22.82	23.56	24.03
	8H	21.10	21.77	21.60	22.27	22.75	22.81	23.48	23.32	23.99	24.47
	12H	21.24	21.84	21.75	22.33	22.88	23.19	23.78	23.69	24.27	24.83
12H	4H	20.28	21.09	20.76	21.56	22.03	21.27	22.07	21.75	22.55	23.02
	6H	21.00	21.67	21.51	22.18	22.66	22.38	23.05	22.88	23.55	24.04
	8H	21.30	21.89	21.80	22.38	22.94	22.93	23.52	23.44	24.01	24.57