

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: P1587683

Luminaire Tested: 22CZSP-SB-42-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587683
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-42-L930
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

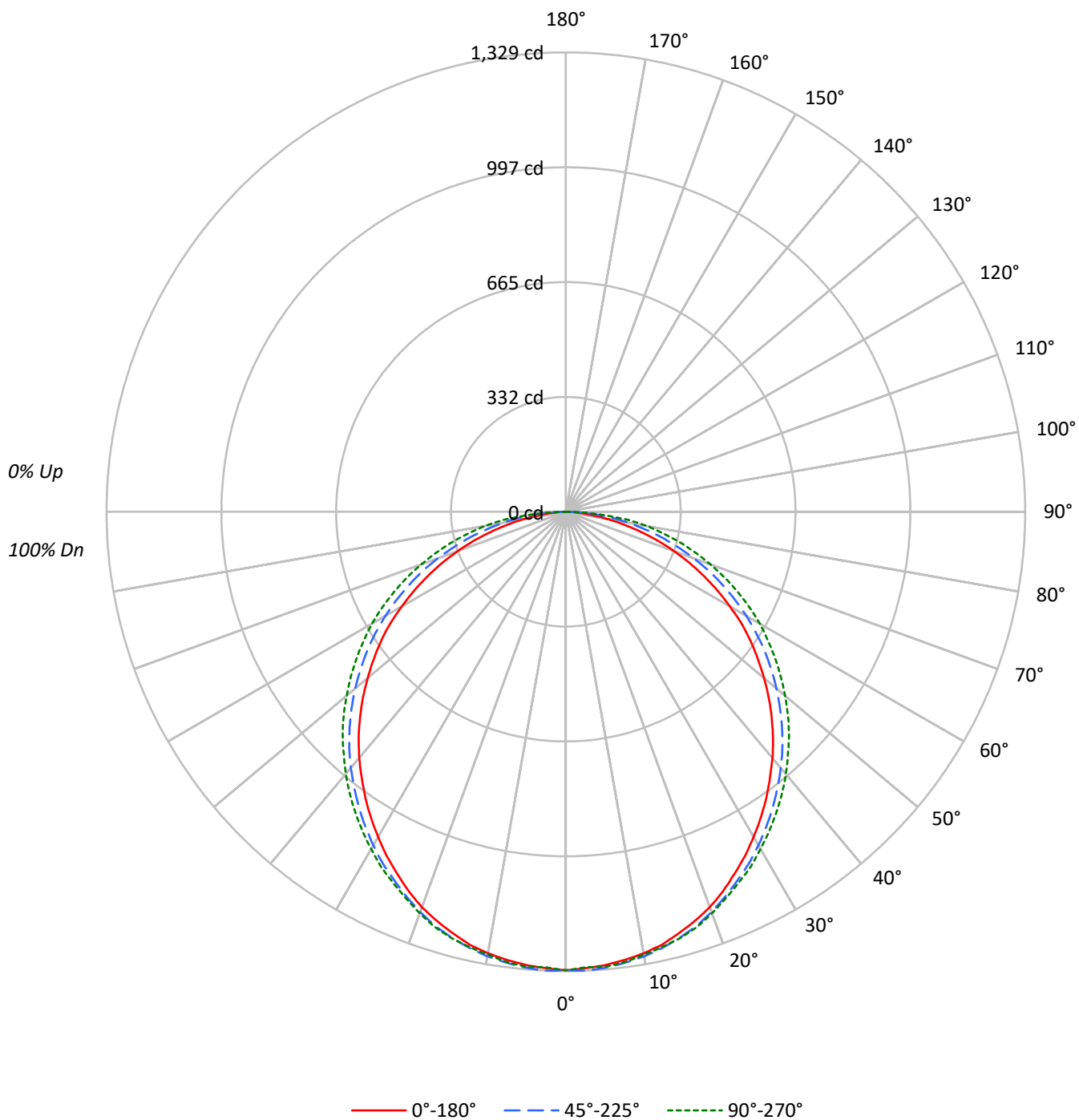
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3871.0 lumens
Efficiency: N/A
Efficacy: 133.9 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): 28.9
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

TEST NUMBER: P1587683
CATALOG NUMBER: 22CZSP-SB-42-L930

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°	4153	4153	4153
5°	4138	4162	4151
10°	4124	4153	4137
15°	4093	4135	4141
20°	4057	4106	4120
25°	3991	4062	4090
30°	3928	4029	4073
35°	3865	3990	4059
40°	3801	3955	4049
45°	3730	3918	4045
50°	3648	3875	4035
55°	3565	3833	4034
60°	3433	3776	4059
65°	3272	3703	4061
70°	3053	3601	4073
75°	2716	3470	4144
80°	2231	3323	4299
85°	1473	3119	3884

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4402 cd/sqm

TEST NUMBER: P1587683
CATALOG NUMBER: 22CZSP-SB-42-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	3.2
10°-20°	359.1	9.3
20°-30°	541.3	14.0
30°-40°	651.9	16.8
40°-50°	681.1	17.6
50°-60°	625.7	16.2
60°-70°	492.7	12.7
70°-80°	302.1	7.8
80°-90°	91.6	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°	1025.9	26.5
0°-40°	1677.8	43.3
0°-60°	2984.6	77.1
0°-90°	3871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1317	1319	1324	1322	1321	125
15°	1262	1267	1276	1281	1277	356
25°	1155	1163	1176	1188	1184	533
35°	1011	1024	1044	1063	1062	632
45°	842	860	885	909	914	650
55°	653	672	702	732	739	583
65°	442	464	500	533	548	437
75°	224	251	287	321	342	239
85°	41	61	87	97	108	53
90°	0	0	0	0	0	

TEST NUMBER: P1587683

CATALOG NUMBER: 22CZSP-SB-42-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1326.4	1326.4	1326.4	1326.4	1326.4
2.5°	1321.5	1324.8	1328.9	1322.3	1319.1
5°	1316.6	1319.1	1324.0	1322.3	1320.7
7.5°	1307.6	1309.2	1315.8	1315.8	1314.1
10°	1296.9	1300.2	1306.0	1305.1	1301.0
12.5°	1283.0	1285.5	1292.0	1292.0	1289.6
15°	1262.5	1267.4	1275.6	1280.6	1277.3
17.5°	1241.2	1246.1	1256.8	1261.7	1260.1
20°	1217.5	1221.6	1232.2	1239.6	1236.3
22.5°	1188.0	1192.9	1205.2	1213.4	1210.1
25°	1155.2	1162.6	1175.7	1188.0	1183.9
27.5°	1122.4	1130.6	1147.0	1159.3	1157.7
30°	1086.4	1097.0	1114.2	1129.8	1126.5
32.5°	1049.5	1061.8	1079.8	1096.2	1095.4
35°	1011.0	1024.1	1043.8	1062.6	1061.8
37.5°	970.0	985.6	1006.1	1026.6	1027.4
40°	929.9	944.6	967.6	989.7	990.5
42.5°	887.3	902.9	927.4	950.4	951.2
45°	842.2	860.3	884.8	909.4	913.5
47.5°	796.4	815.2	840.6	866.8	871.7
50°	748.8	768.5	795.5	823.4	828.3
52.5°	700.5	721.0	748.8	776.7	784.1
55°	653.0	671.8	702.1	732.4	739.0
57.5°	603.0	620.2	653.0	684.9	693.1
60°	548.1	569.4	603.0	635.0	648.1
62.5°	494.9	517.8	552.2	584.2	598.9
65°	441.6	464.5	499.8	533.4	548.1
67.5°	387.5	411.3	449.0	480.9	497.3
70°	333.5	357.2	393.3	427.7	444.9
72.5°	279.4	304.8	340.0	375.2	392.4
75°	224.5	250.7	286.8	321.2	342.5
77.5°	172.9	198.3	234.3	269.5	287.6
80°	123.7	149.1	184.3	219.6	238.4
82.5°	78.7	102.4	136.8	166.3	183.5
85°	41.0	60.6	86.8	96.7	108.1
87.5°	12.3	23.8	33.6	37.7	46.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1587683
CATALOG NUMBER: 22CZSP-SB-42-L930

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	16.46	18.12	16.83	18.44	18.75	17.21	18.87	17.57	19.18	19.50
	3H	18.22	19.73	18.60	20.06	20.42	19.30	20.81	19.68	21.14	21.50
	4H	18.85	20.27	19.25	20.62	20.99	20.19	21.61	20.58	21.96	22.33
	6H	19.26	20.58	19.67	20.94	21.34	20.95	22.27	21.36	22.64	23.03
	8H	19.37	20.63	19.79	21.02	21.42	21.27	22.53	21.69	22.92	23.31
	12H	19.42	20.63	19.85	21.01	21.44	21.48	22.69	21.91	23.07	23.50
4H	2H	17.23	18.65	17.63	19.00	19.38	17.81	19.23	18.21	19.58	19.95
	3H	19.22	20.42	19.63	20.82	21.22	20.14	21.34	20.55	21.73	22.13
	4H	19.98	21.06	20.41	21.48	21.91	21.17	22.26	21.60	22.67	23.11
	6H	20.51	21.47	20.97	21.91	22.36	22.10	23.06	22.56	23.50	23.95
	8H	20.66	21.55	21.12	22.00	22.46	22.49	23.38	22.95	23.82	24.29
	12H	20.75	21.55	21.23	22.03	22.49	22.76	23.57	23.24	24.04	24.51
8H	4H	20.43	21.32	20.89	21.76	22.23	21.47	22.37	21.93	22.81	23.27
	6H	21.11	21.85	21.60	22.34	22.81	22.56	23.30	23.05	23.79	24.26
	8H	21.33	22.00	21.84	22.50	22.99	23.05	23.71	23.55	24.22	24.70
	12H	21.48	22.07	21.98	22.56	23.12	23.42	24.01	23.93	24.50	25.06
12H	4H	20.51	21.32	20.99	21.79	22.26	21.50	22.31	21.98	22.78	23.25
	6H	21.24	21.91	21.74	22.41	22.90	22.61	23.28	23.12	23.78	24.27
	8H	21.53	22.12	22.03	22.61	23.17	23.16	23.76	23.67	24.25	24.80