

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: P1585682

Luminaire Tested: 14CZSP-SB-42-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-42-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

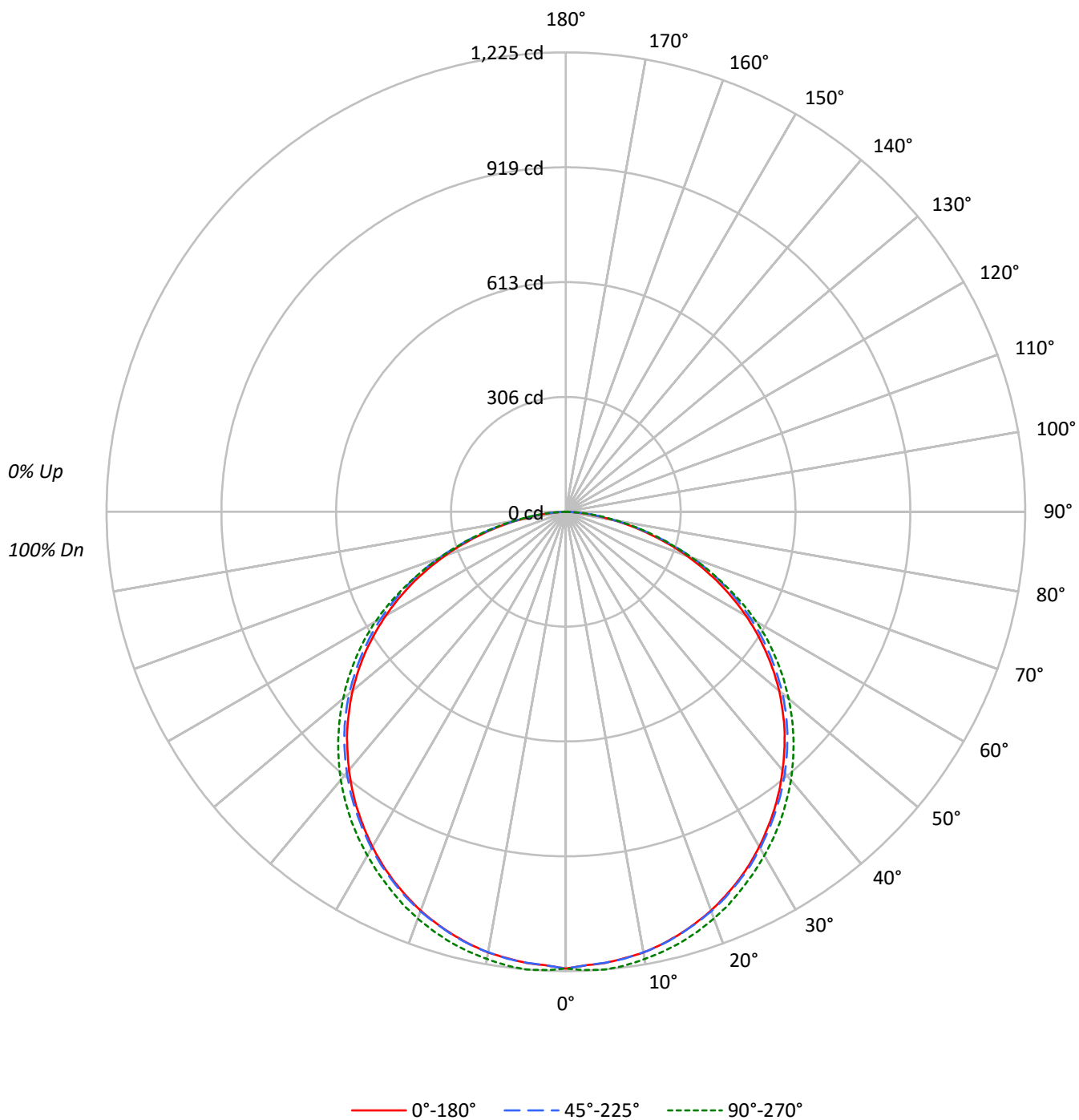
Lumens per Lamp: N/A
Luminaire Lumens: 3595.0 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4105	4105	4105
5°	4085	4083	4145
10°	4083	4082	4144
15°	4071	4075	4146
20°	4058	4066	4139
25°	4038	4048	4126
30°	4014	4031	4119
35°	3988	4013	4117
40°	3957	3998	4109
45°	3932	3982	4092
50°	3893	3954	4066
55°	3832	3903	4026
60°	3740	3836	3955
65°	3599	3735	3774
70°	3384	3542	3520
75°	3039	3168	3190
80°	2511	2639	2777
85°	1682	1956	2065

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4092 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	3.2
10°-20°	331.9	9.2
20°-30°	505.4	14.1
30°-40°	615.1	17.1
40°-50°	648.4	18.0
50°-60°	597.2	16.6
60°-70°	461.3	12.8
70°-80°	258.1	7.2
80°-90°	62.2	1.7
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°	952.7	26.5
0°-40°	1567.8	43.6
0°-60°	2813.4	78.3
0°-90°	3595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1208	1225	1207	1209	1225	115
15°	1167	1183	1168	1175	1188	329
25°	1086	1102	1089	1096	1110	501
35°	969	984	976	988	1001	606
45°	825	837	836	848	859	636
55°	652	663	664	678	685	582
65°	451	465	468	473	473	446
75°	233	248	243	243	245	248
85°	44	48	51	57	53	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1218.2	1218.2	1218.2	1218.2	1218.2
2.5°	1210.5	1228.1	1210.5	1213.3	1223.2
5°	1207.8	1224.8	1207.2	1208.9	1225.4
7.5°	1200.6	1218.2	1201.7	1203.9	1219.9
10°	1193.4	1209.4	1192.9	1195.6	1211.1
12.5°	1181.3	1197.8	1182.4	1185.7	1201.1
15°	1167.0	1183.0	1168.1	1174.7	1188.5
17.5°	1150.5	1165.9	1151.6	1159.3	1172.5
20°	1131.8	1146.7	1134.0	1139.5	1154.4
22.5°	1109.8	1125.2	1113.1	1118.0	1134.0
25°	1086.1	1101.5	1088.9	1096.0	1109.8
27.5°	1060.2	1075.1	1064.1	1072.9	1085.0
30°	1031.6	1045.9	1036.0	1046.5	1058.6
32.5°	1000.8	1016.2	1006.3	1018.4	1030.5
35°	969.4	983.7	975.5	987.6	1000.8
37.5°	935.3	949.0	943.0	955.6	967.7
40°	899.5	914.9	908.8	922.1	934.2
42.5°	862.6	877.5	872.5	886.3	896.7
45°	825.2	836.7	835.6	848.3	858.7
47.5°	783.9	798.2	796.0	808.7	818.0
50°	742.6	754.2	754.2	766.3	775.6
52.5°	698.0	709.6	709.6	723.9	731.6
55°	652.3	663.3	664.4	678.2	685.3
57.5°	603.9	615.4	617.6	631.4	638.0
60°	554.9	565.9	569.2	583.0	586.8
62.5°	503.7	516.9	518.6	529.6	531.8
65°	451.4	464.6	468.5	472.9	473.4
67.5°	398.0	411.8	415.6	415.6	415.6
70°	343.5	356.2	359.5	357.3	357.3
72.5°	288.5	302.2	300.6	298.4	299.5
75°	233.4	247.7	243.3	242.8	245.0
77.5°	180.6	194.3	187.2	191.6	192.1
80°	129.4	139.8	136.0	142.6	143.1
82.5°	83.1	89.7	90.8	96.3	94.7
85°	43.5	47.9	50.6	56.7	53.4
87.5°	13.8	18.2	16.5	19.3	14.9
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	16.94	18.60	17.31	18.91	19.22	17.16	18.81	17.52	19.13	19.44
	3H	18.76	20.26	19.14	20.59	20.95	18.96	20.46	19.33	20.78	21.14
	4H	19.41	20.82	19.81	21.17	21.54	19.60	21.01	19.99	21.36	21.73
	6H	19.84	21.15	20.25	21.51	21.90	20.05	21.36	20.46	21.72	22.11
	8H	19.95	21.20	20.37	21.59	21.98	20.18	21.43	20.60	21.82	22.22
	12H	20.00	21.20	20.43	21.58	22.01	20.26	21.46	20.69	21.84	22.27
4H	2H	17.62	19.03	18.02	19.38	19.75	17.79	19.20	18.19	19.55	19.92
	3H	19.66	20.85	20.07	21.24	21.64	19.80	20.99	20.21	21.39	21.79
	4H	20.44	21.51	20.87	21.93	22.36	20.56	21.63	20.99	22.05	22.48
	6H	20.99	21.93	21.44	22.37	22.82	21.14	22.07	21.59	22.51	22.97
	8H	21.14	22.01	21.60	22.46	22.92	21.31	22.19	21.77	22.63	23.09
	12H	21.22	22.01	21.70	22.48	22.95	21.42	22.21	21.90	22.69	23.16
8H	4H	20.75	21.63	21.21	22.07	22.53	20.86	21.73	21.32	22.18	22.64
	6H	21.41	22.14	21.90	22.62	23.10	21.54	22.27	22.03	22.75	23.23
	8H	21.61	22.27	22.12	22.77	23.26	21.78	22.43	22.29	22.94	23.42
	12H	21.75	22.33	22.25	22.82	23.38	21.95	22.53	22.46	23.02	23.58
12H	4H	20.78	21.57	21.26	22.04	22.51	20.89	21.67	21.36	22.15	22.62
	6H	21.45	22.11	21.96	22.61	23.10	21.58	22.24	22.09	22.74	23.23
	8H	21.71	22.29	22.22	22.78	23.34	21.87	22.45	22.38	22.94	23.50