

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: P1585704

Luminaire Tested: 14CZSP-SB-43HE-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585704
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-43HE-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

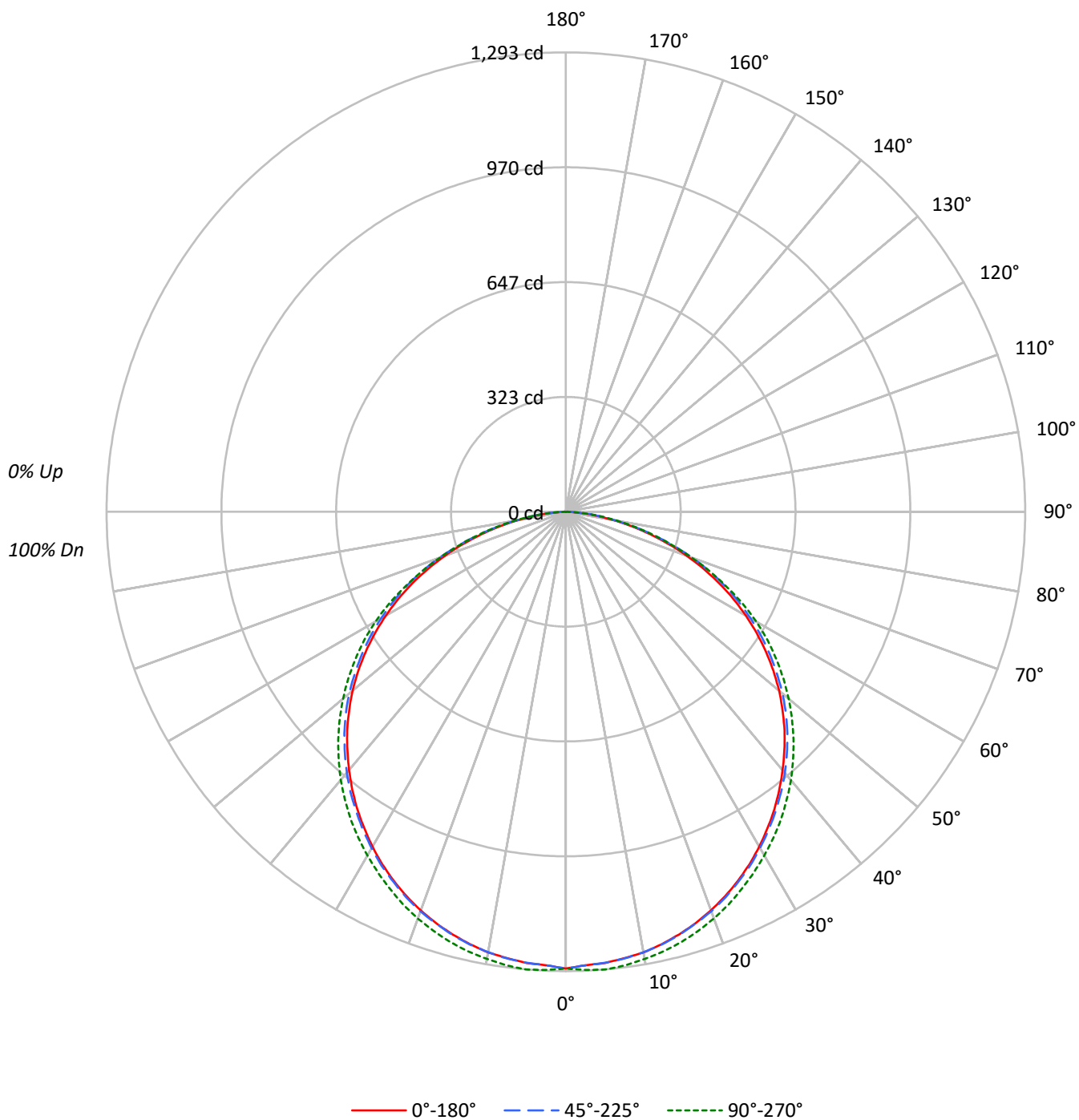
Lumens per Lamp: N/A
Luminaire Lumens: 3794.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4332	4332	4332
5°	4311	4309	4374
10°	4309	4307	4373
15°	4296	4301	4376
20°	4283	4292	4369
25°	4261	4272	4354
30°	4236	4254	4347
35°	4209	4234	4345
40°	4176	4219	4337
45°	4150	4203	4319
50°	4108	4172	4291
55°	4044	4119	4249
60°	3946	4048	4174
65°	3798	3942	3983
70°	3571	3738	3714
75°	3207	3343	3365
80°	2649	2785	2930
85°	1775	2065	2181

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4319 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	3.2
10°-20°	350.3	9.2
20°-30°	533.4	14.1
30°-40°	649.1	17.1
40°-50°	684.3	18.0
50°-60°	630.3	16.6
60°-70°	486.8	12.8
70°-80°	272.4	7.2
80°-90°	65.6	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°	1005.5	26.5
0°-40°	1654.6	43.6
0°-60°	2969.2	78.3
0°-90°	3794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1275	1293	1274	1276	1293	121
15°	1232	1248	1233	1240	1254	348
25°	1146	1162	1149	1157	1171	528
35°	1023	1038	1029	1042	1056	640
45°	871	883	882	895	906	671
55°	688	700	701	716	723	614
65°	476	490	494	499	500	471
75°	246	261	257	256	258	261
85°	46	50	53	60	56	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1285.6	1285.6	1285.6	1285.6	1285.6
2.5°	1277.5	1296.1	1277.5	1280.4	1290.9
5°	1274.6	1292.6	1274.0	1275.8	1293.2
7.5°	1267.1	1285.6	1268.2	1270.5	1287.4
10°	1259.5	1276.4	1258.9	1261.8	1278.1
12.5°	1246.7	1264.2	1247.9	1251.4	1267.6
15°	1231.6	1248.5	1232.8	1239.8	1254.3
17.5°	1214.2	1230.5	1215.4	1223.5	1237.4
20°	1194.4	1210.1	1196.8	1202.6	1218.3
22.5°	1171.2	1187.5	1174.7	1179.9	1196.8
25°	1146.2	1162.5	1149.1	1156.7	1171.2
27.5°	1118.9	1134.6	1123.0	1132.3	1145.1
30°	1088.7	1103.8	1093.4	1104.4	1117.2
32.5°	1056.2	1072.4	1062.0	1074.8	1087.5
35°	1023.1	1038.2	1029.4	1042.2	1056.2
37.5°	987.0	1001.6	995.2	1008.5	1021.3
40°	949.3	965.5	959.2	973.1	985.9
42.5°	910.4	926.0	920.8	935.3	946.4
45°	870.8	883.0	881.9	895.2	906.3
47.5°	827.3	842.4	840.1	853.4	863.3
50°	783.7	795.9	795.9	808.7	818.6
52.5°	736.6	748.8	748.8	764.0	772.1
55°	688.4	700.0	701.2	715.7	723.3
57.5°	637.3	649.5	651.8	666.4	673.3
60°	585.6	597.2	600.7	615.2	619.3
62.5°	531.6	545.5	547.3	558.9	561.2
65°	476.4	490.3	494.4	499.0	499.6
67.5°	420.0	434.6	438.6	438.6	438.6
70°	362.5	375.9	379.4	377.0	377.0
72.5°	304.4	318.9	317.2	314.9	316.0
75°	246.3	261.4	256.8	256.2	258.5
77.5°	190.6	205.1	197.5	202.2	202.8
80°	136.5	147.6	143.5	150.5	151.0
82.5°	87.7	94.7	95.9	101.7	99.9
85°	45.9	50.5	53.4	59.8	56.4
87.5°	14.5	19.2	17.4	20.3	15.7
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	17.13	18.78	17.49	19.10	19.41	17.35	19.00	17.71	19.31	19.63
	3H	18.95	20.45	19.33	20.77	21.13	19.14	20.64	19.52	20.97	21.33
	4H	19.60	21.01	19.99	21.36	21.73	19.78	21.20	20.18	21.54	21.92
	6H	20.02	21.33	20.43	21.70	22.09	20.24	21.55	20.65	21.91	22.30
	8H	20.13	21.38	20.56	21.77	22.17	20.37	21.62	20.79	22.01	22.41
	12H	20.19	21.39	20.62	21.77	22.20	20.44	21.64	20.87	22.02	22.45
4H	2H	17.81	19.22	18.21	19.57	19.94	17.98	19.39	18.38	19.74	20.11
	3H	19.85	21.03	20.26	21.43	21.83	19.99	21.18	20.40	21.57	21.97
	4H	20.63	21.70	21.06	22.11	22.55	20.75	21.82	21.18	22.23	22.67
	6H	21.18	22.12	21.63	22.56	23.01	21.32	22.26	21.78	22.70	23.16
	8H	21.32	22.20	21.78	22.64	23.11	21.50	22.38	21.96	22.82	23.28
	12H	21.41	22.20	21.89	22.67	23.14	21.61	22.40	22.09	22.88	23.34
8H	4H	20.94	21.81	21.40	22.25	22.72	21.04	21.92	21.50	22.36	22.83
	6H	21.60	22.32	22.09	22.81	23.29	21.73	22.45	22.22	22.94	23.42
	8H	21.80	22.45	22.31	22.96	23.45	21.96	22.62	22.47	23.12	23.61
	12H	21.94	22.51	22.44	23.00	23.56	22.14	22.72	22.65	23.21	23.77
12H	4H	20.97	21.76	21.45	22.23	22.70	21.07	21.86	21.55	22.34	22.80
	6H	21.64	22.30	22.15	22.80	23.29	21.77	22.42	22.28	22.93	23.41
	8H	21.90	22.47	22.40	22.96	23.52	22.06	22.63	22.56	23.12	23.68