

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: P1585674

Luminaire Tested: 14CZSP-SB-42-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585674
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-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

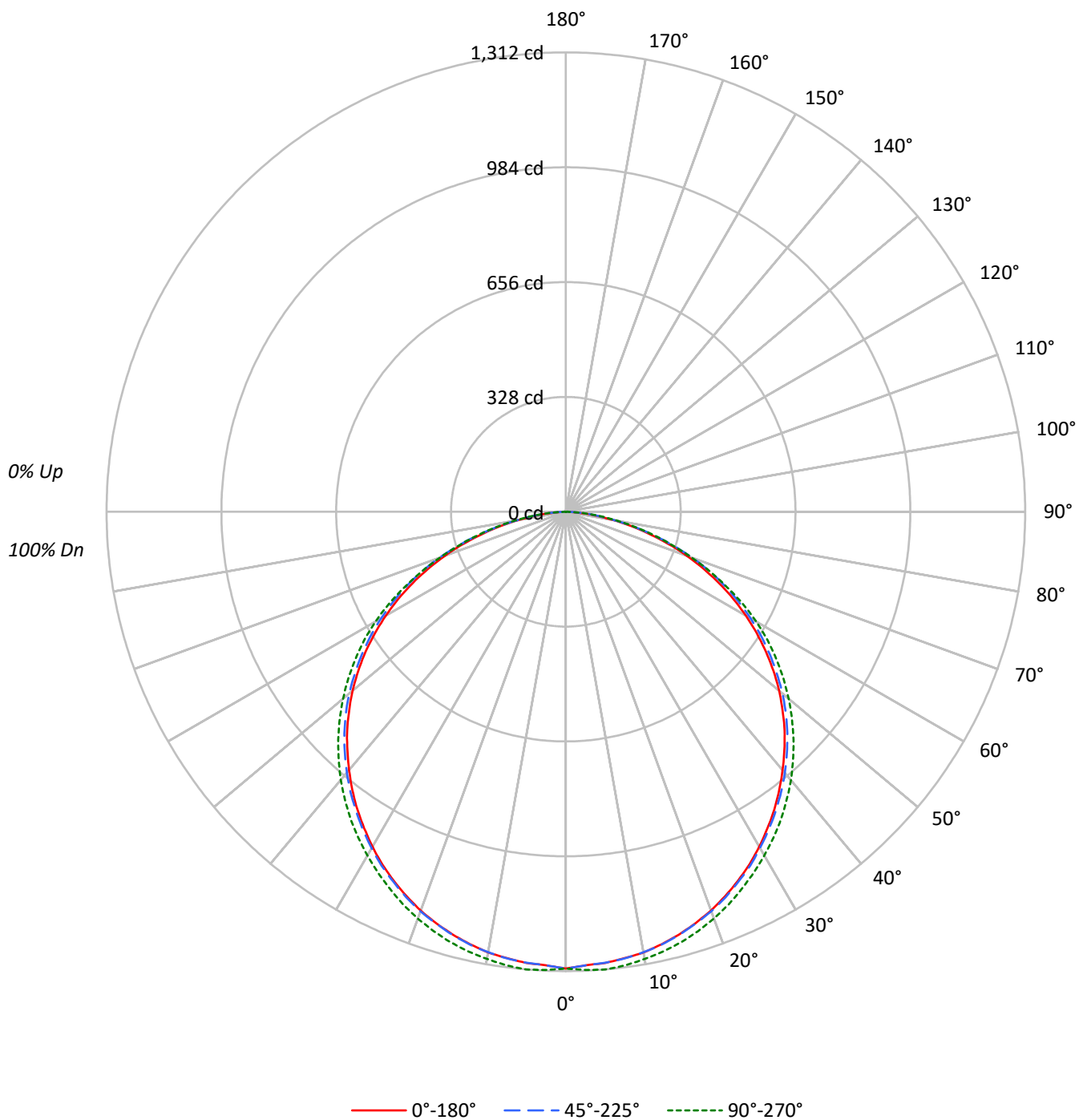
Lumens per Lamp: N/A
Luminaire Lumens: 3850.0 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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°	4396	4396	4396
5°	4375	4373	4439
10°	4373	4371	4438
15°	4360	4364	4440
20°	4346	4355	4433
25°	4324	4335	4419
30°	4299	4317	4411
35°	4271	4297	4409
40°	4237	4281	4400
45°	4211	4264	4383
50°	4169	4234	4354
55°	4104	4180	4312
60°	4004	4108	4235
65°	3854	4000	4042
70°	3625	3793	3769
75°	3255	3393	3415
80°	2688	2825	2975
85°	1802	2095	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4383 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	3.2
10°-20°	355.4	9.2
20°-30°	541.2	14.1
30°-40°	658.7	17.1
40°-50°	694.4	18.0
50°-60°	639.6	16.6
60°-70°	494.0	12.8
70°-80°	276.4	7.2
80°-90°	66.6	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°	1020.3	26.5
0°-40°	1679.0	43.6
0°-60°	3013.0	78.3
0°-90°	3850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1305	1305	1305	1305	1305	
5°	1293	1312	1293	1295	1312	123
15°	1250	1267	1251	1258	1273	353
25°	1163	1180	1166	1174	1188	536
35°	1038	1054	1045	1058	1072	649
45°	884	896	895	908	920	681
55°	699	710	712	726	734	623
65°	483	498	502	506	507	478
75°	250	265	261	260	262	265
85°	47	51	54	61	57	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1304.6	1304.6	1304.6	1304.6	1304.6
2.5°	1296.4	1315.2	1296.4	1299.3	1309.9
5°	1293.4	1311.7	1292.8	1294.6	1312.3
7.5°	1285.8	1304.6	1286.9	1289.3	1306.4
10°	1278.1	1295.2	1277.5	1280.5	1297.0
12.5°	1265.1	1282.8	1266.3	1269.8	1286.3
15°	1249.8	1266.9	1251.0	1258.1	1272.8
17.5°	1232.1	1248.6	1233.3	1241.5	1255.7
20°	1212.1	1228.0	1214.4	1220.3	1236.2
22.5°	1188.5	1205.0	1192.0	1197.3	1214.4
25°	1163.1	1179.6	1166.1	1173.7	1188.5
27.5°	1135.4	1151.3	1139.6	1149.0	1162.0
30°	1104.8	1120.1	1109.5	1120.7	1133.7
32.5°	1071.8	1088.3	1077.7	1090.6	1103.6
35°	1038.2	1053.5	1044.6	1057.6	1071.8
37.5°	1001.6	1016.3	1009.9	1023.4	1036.4
40°	963.3	979.8	973.3	987.5	1000.4
42.5°	923.8	939.7	934.4	949.1	960.3
45°	883.7	896.1	894.9	908.5	919.7
47.5°	839.5	854.8	852.5	866.0	876.0
50°	795.3	807.7	807.7	820.6	830.6
52.5°	747.5	759.9	759.9	775.2	783.5
55°	698.6	710.4	711.6	726.3	734.0
57.5°	646.7	659.1	661.4	676.2	683.3
60°	594.2	606.0	609.6	624.3	628.4
62.5°	539.4	553.6	555.3	567.1	569.5
65°	483.4	497.6	501.7	506.4	507.0
67.5°	426.2	441.0	445.1	445.1	445.1
70°	367.9	381.4	385.0	382.6	382.6
72.5°	308.9	323.7	321.9	319.5	320.7
75°	250.0	265.3	260.6	260.0	262.3
77.5°	193.4	208.1	200.4	205.2	205.7
80°	138.5	149.7	145.6	152.7	153.3
82.5°	89.0	96.1	97.3	103.2	101.4
85°	46.6	51.3	54.2	60.7	57.2
87.5°	14.7	19.5	17.7	20.6	15.9
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	17.18	18.83	17.54	19.15	19.46	17.40	19.05	17.76	19.37	19.68
	3H	19.00	20.50	19.38	20.82	21.18	19.20	20.69	19.57	21.02	21.38
	4H	19.65	21.06	20.04	21.41	21.78	19.83	21.25	20.23	21.59	21.97
	6H	20.08	21.38	20.49	21.75	22.14	20.29	21.60	20.70	21.96	22.35
	8H	20.18	21.44	20.61	21.82	22.22	20.42	21.67	20.84	22.06	22.46
	12H	20.24	21.44	20.67	21.82	22.25	20.49	21.69	20.92	22.08	22.50
4H	2H	17.86	19.27	18.26	19.62	19.99	18.03	19.44	18.43	19.79	20.16
	3H	19.90	21.08	20.31	21.48	21.88	20.04	21.23	20.45	21.62	22.02
	4H	20.68	21.75	21.11	22.16	22.60	20.80	21.87	21.23	22.29	22.72
	6H	21.23	22.17	21.68	22.61	23.06	21.37	22.31	21.83	22.75	23.21
	8H	21.38	22.25	21.83	22.69	23.16	21.55	22.43	22.01	22.87	23.33
	12H	21.46	22.25	21.94	22.72	23.19	21.66	22.45	22.14	22.93	23.40
8H	4H	20.99	21.86	21.45	22.31	22.77	21.09	21.97	21.55	22.41	22.88
	6H	21.65	22.38	22.14	22.86	23.34	21.78	22.51	22.27	22.99	23.47
	8H	21.85	22.51	22.36	23.01	23.50	22.02	22.67	22.52	23.17	23.66
	12H	21.99	22.56	22.49	23.05	23.61	22.19	22.77	22.70	23.26	23.82
12H	4H	21.02	21.81	21.50	22.28	22.75	21.12	21.91	21.60	22.39	22.86
	6H	21.69	22.35	22.20	22.85	23.34	21.82	22.47	22.33	22.98	23.46
	8H	21.95	22.53	22.45	23.02	23.57	22.11	22.69	22.61	23.18	23.74

END OF REPORT