

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: P1585615

Luminaire Tested: 14CZSP-SB-32HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-32HE-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

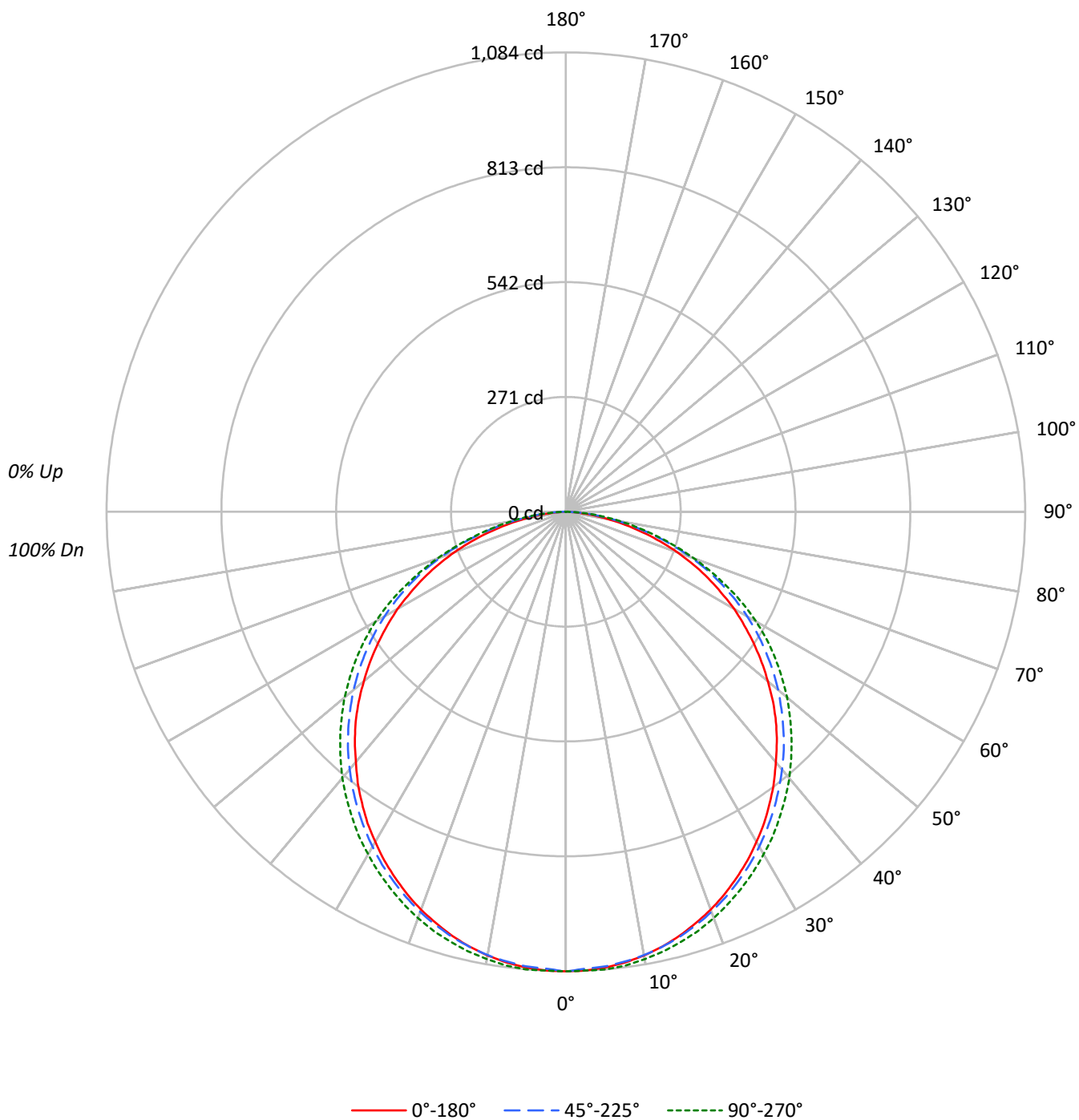
Lumens per Lamp: N/A
Luminaire Lumens: 3133.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3654	3654	3654
5°	3651	3642	3667
10°	3638	3635	3667
15°	3615	3622	3665
20°	3583	3604	3659
25°	3544	3577	3644
30°	3499	3550	3631
35°	3451	3522	3618
40°	3390	3492	3609
45°	3342	3460	3589
50°	3262	3428	3573
55°	3179	3383	3545
60°	3093	3333	3498
65°	2954	3246	3365
70°	2757	3099	3174
75°	2455	2808	2890
80°	2004	2435	2558
85°	1326	1937	2076

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	3.3
10°-20°	294.2	9.4
20°-30°	445.4	14.2
30°-40°	537.7	17.2
40°-50°	561.5	17.9
50°-60°	513.7	16.4
60°-70°	397.1	12.7
70°-80°	224.8	7.2
80°-90°	55.9	1.8
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°	842.4	26.9
0°-40°	1380.1	44.0
0°-60°	2455.2	78.4
0°-90°	3133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1080	1087	1077	1078	1084	103
15°	1036	1045	1038	1043	1051	292
25°	953	965	962	971	980	439
35°	839	851	856	870	880	525
45°	701	715	726	745	753	540
55°	541	557	576	594	603	484
65°	370	386	407	419	422	366
75°	189	205	216	221	222	200
85°	34	40	50	52	54	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1083.1	1090.8	1079.0	1081.3	1083.6
5°	1079.5	1087.2	1076.8	1077.7	1084.0
7.5°	1072.7	1081.3	1070.5	1072.3	1080.0
10°	1063.3	1071.8	1062.4	1064.2	1071.8
12.5°	1051.1	1059.6	1051.5	1054.2	1062.8
15°	1036.2	1045.2	1038.4	1043.4	1050.6
17.5°	1018.1	1029.4	1022.2	1029.9	1037.1
20°	999.2	1010.5	1005.0	1011.8	1020.4
22.5°	977.5	988.8	984.7	991.9	1001.4
25°	953.1	965.3	962.2	971.2	980.2
27.5°	927.9	939.6	938.7	948.6	958.1
30°	899.4	912.1	912.5	924.3	933.3
32.5°	871.0	882.3	885.0	898.1	908.5
35°	839.0	850.7	856.1	870.5	879.6
37.5°	806.5	819.6	825.4	841.2	850.7
40°	770.8	785.7	793.8	810.5	820.5
42.5°	737.0	750.5	761.3	778.0	787.1
45°	701.3	714.9	726.1	744.6	753.2
47.5°	663.0	677.8	690.0	708.1	717.6
50°	622.3	638.6	653.9	671.5	681.5
52.5°	582.2	598.0	615.6	632.7	642.6
55°	541.1	557.4	575.9	593.9	603.4
57.5°	499.6	515.8	536.1	552.4	562.3
60°	459.0	473.9	494.6	510.9	519.0
62.5°	412.9	430.1	451.3	467.5	472.1
65°	370.5	385.9	407.1	419.3	422.0
67.5°	325.4	340.7	361.9	368.7	372.8
70°	279.8	296.1	314.6	319.1	322.2
72.5°	233.8	250.5	264.9	269.4	272.1
75°	188.6	204.9	215.7	221.1	222.0
77.5°	144.9	159.8	169.7	176.0	176.0
80°	103.3	114.6	125.5	132.2	131.8
82.5°	65.9	74.5	85.7	90.7	93.9
85°	34.3	39.7	50.1	52.4	53.7
87.5°	10.8	14.0	18.1	14.9	14.4
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	16.18	17.83	16.55	18.15	18.46	16.72	18.37	17.09	18.69	19.00
	3H	17.95	19.45	18.33	19.77	20.13	18.58	20.08	18.96	20.40	20.76
	4H	18.58	19.99	18.98	20.33	20.71	19.26	20.66	19.65	21.01	21.39
	6H	18.98	20.29	19.39	20.65	21.04	19.74	21.05	20.15	21.41	21.80
	8H	19.08	20.33	19.51	20.72	21.12	19.90	21.14	20.32	21.53	21.93
	12H	19.13	20.33	19.56	20.71	21.14	20.00	21.19	20.42	21.57	22.00
4H	2H	16.92	18.33	17.32	18.68	19.05	17.34	18.75	17.74	19.10	19.47
	3H	18.91	20.10	19.32	20.49	20.89	19.42	20.60	19.83	21.00	21.40
	4H	19.66	20.73	20.09	21.15	21.58	20.22	21.29	20.65	21.70	22.14
	6H	20.18	21.12	20.63	21.56	22.01	20.84	21.77	21.29	22.21	22.67
	8H	20.32	21.19	20.78	21.63	22.10	21.04	21.92	21.50	22.36	22.82
	12H	20.39	21.18	20.87	21.66	22.12	21.18	21.97	21.66	22.44	22.91
8H	4H	20.02	20.89	20.48	21.33	21.80	20.51	21.39	20.97	21.83	22.29
	6H	20.65	21.38	21.14	21.87	22.34	21.24	21.97	21.74	22.46	22.93
	8H	20.84	21.50	21.35	22.00	22.49	21.52	22.17	22.03	22.68	23.16
	12H	20.97	21.55	21.48	22.04	22.60	21.72	22.30	22.23	22.79	23.35
12H	4H	20.06	20.85	20.54	21.32	21.79	20.54	21.32	21.02	21.80	22.27
	6H	20.71	21.37	21.22	21.87	22.36	21.29	21.94	21.79	22.45	22.93
	8H	20.96	21.54	21.47	22.03	22.59	21.61	22.19	22.12	22.68	23.24