

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: P1585614

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585614
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-32HE-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

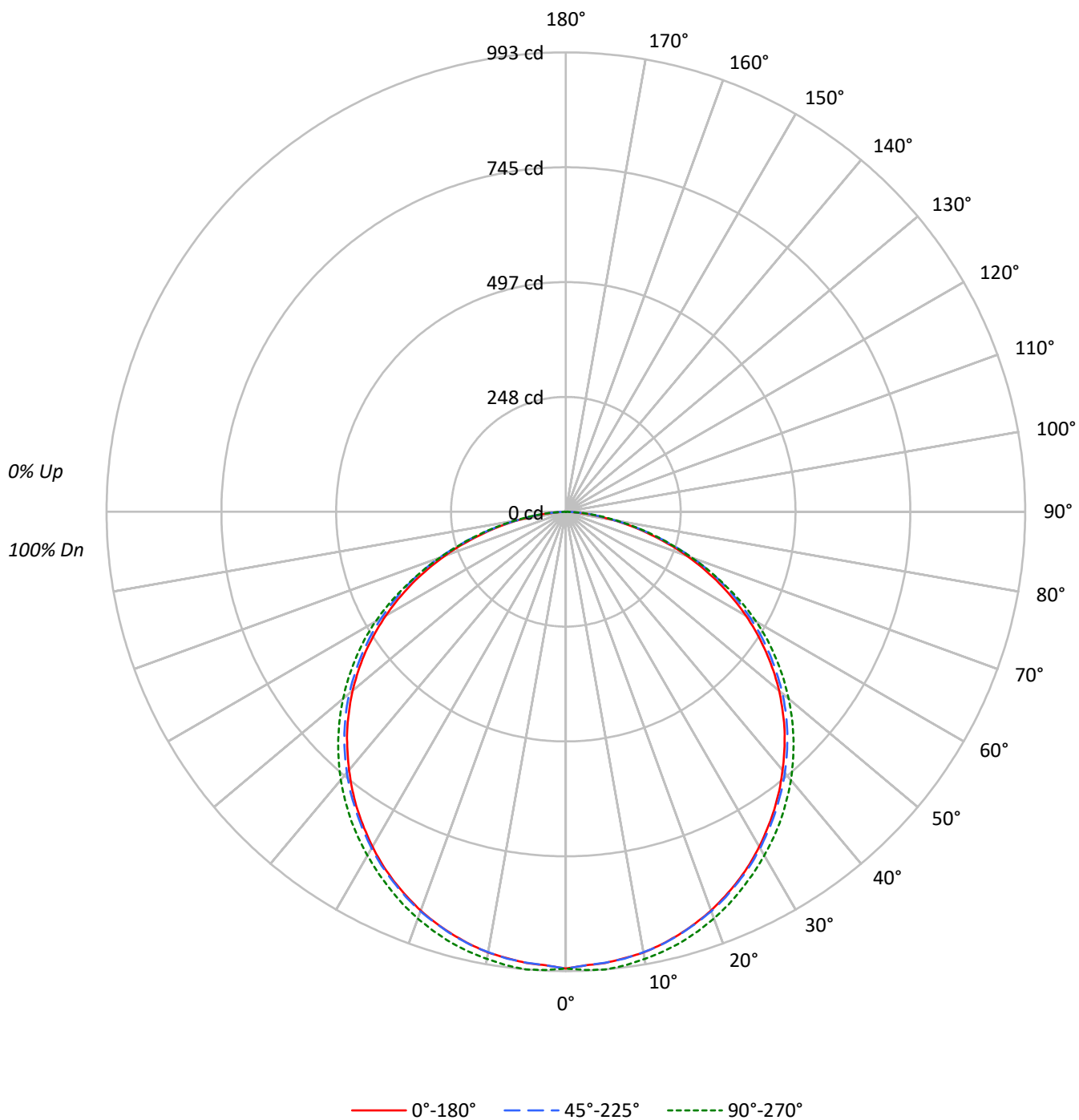
Lumens per Lamp: N/A
Luminaire Lumens: 2914.0 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	3327	3327	3327
5°	3311	3310	3359
10°	3310	3308	3359
15°	3300	3303	3361
20°	3290	3296	3355
25°	3273	3281	3344
30°	3254	3268	3338
35°	3232	3253	3337
40°	3207	3241	3331
45°	3188	3228	3317
50°	3155	3205	3296
55°	3107	3164	3263
60°	3031	3109	3206
65°	2917	3027	3059
70°	2743	2871	2853
75°	2463	2567	2586
80°	2036	2138	2251
85°	1365	1589	1674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	3.2
10°-20°	269.0	9.2
20°-30°	409.7	14.1
30°-40°	498.6	17.1
40°-50°	525.6	18.0
50°-60°	484.1	16.6
60°-70°	373.9	12.8
70°-80°	209.2	7.2
80°-90°	50.4	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°	772.2	26.5
0°-40°	1270.8	43.6
0°-60°	2280.5	78.3
0°-90°	2914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	987	987	987	987	987	
5°	979	993	978	980	993	93
15°	946	959	947	952	963	267
25°	880	893	883	888	900	406
35°	786	797	791	800	811	491
45°	669	678	677	688	696	515
55°	529	538	539	550	556	472
65°	366	377	380	383	384	361
75°	189	201	197	197	199	201
85°	35	39	41	46	43	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	987.4	987.4	987.4	987.4	987.4
2.5°	981.2	995.5	981.2	983.4	991.5
5°	979.0	992.8	978.5	979.9	993.2
7.5°	973.2	987.4	974.1	975.8	988.8
10°	967.4	980.3	966.9	969.2	981.6
12.5°	957.6	970.9	958.4	961.1	973.6
15°	946.0	958.9	946.8	952.2	963.4
17.5°	932.6	945.1	933.5	939.7	950.4
20°	917.4	929.4	919.2	923.6	935.7
22.5°	899.5	912.0	902.2	906.2	919.2
25°	880.4	892.9	882.6	888.4	899.5
27.5°	859.4	871.4	862.5	869.6	879.5
30°	836.2	847.8	839.8	848.2	858.0
32.5°	811.2	823.7	815.7	825.5	835.3
35°	785.8	797.4	790.7	800.5	811.2
37.5°	758.1	769.3	764.3	774.6	784.4
40°	729.1	741.6	736.7	747.4	757.2
42.5°	699.2	711.2	707.2	718.4	726.9
45°	668.9	678.2	677.3	687.6	696.1
47.5°	635.4	647.0	645.2	655.5	663.1
50°	601.9	611.3	611.3	621.1	628.7
52.5°	565.8	575.2	575.2	586.8	593.0
55°	528.8	537.7	538.6	549.7	555.5
57.5°	489.5	498.9	500.6	511.8	517.1
60°	449.8	458.7	461.4	472.5	475.7
62.5°	408.3	419.0	420.3	429.2	431.0
65°	365.9	376.6	379.7	383.3	383.7
67.5°	322.6	333.8	336.9	336.9	336.9
70°	278.4	288.7	291.4	289.6	289.6
72.5°	233.8	245.0	243.6	241.8	242.7
75°	189.2	200.8	197.2	196.8	198.6
77.5°	146.4	157.5	151.7	155.3	155.7
80°	104.9	113.3	110.2	115.6	116.0
82.5°	67.4	72.7	73.6	78.1	76.7
85°	35.3	38.8	41.1	46.0	43.3
87.5°	11.2	14.7	13.4	15.6	12.0
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	16.21	17.87	16.58	18.18	18.50	16.43	18.08	16.79	18.40	18.71
	3H	18.03	19.53	18.41	19.86	20.22	18.23	19.73	18.60	20.05	20.41
	4H	18.68	20.09	19.08	20.44	20.81	18.87	20.28	19.26	20.63	21.00
	6H	19.11	20.42	19.52	20.78	21.17	19.32	20.63	19.73	20.99	21.38
	8H	19.22	20.47	19.64	20.86	21.26	19.45	20.70	19.87	21.09	21.49
	12H	19.27	20.47	19.70	20.85	21.28	19.53	20.73	19.96	21.11	21.54
4H	2H	16.89	18.30	17.29	18.65	19.03	17.06	18.47	17.46	18.82	19.19
	3H	18.93	20.12	19.34	20.51	20.91	19.07	20.26	19.48	20.66	21.06
	4H	19.71	20.78	20.14	21.20	21.63	19.83	20.90	20.26	21.32	21.75
	6H	20.26	21.20	20.71	21.64	22.09	20.41	21.34	20.86	21.78	22.24
	8H	20.41	21.28	20.87	21.73	22.19	20.58	21.46	21.04	21.90	22.36
	12H	20.49	21.28	20.97	21.75	22.22	20.70	21.48	21.17	21.96	22.43
8H	4H	20.02	20.90	20.48	21.34	21.80	20.13	21.00	20.59	21.45	21.91
	6H	20.68	21.41	21.17	21.89	22.37	20.81	21.54	21.30	22.02	22.50
	8H	20.88	21.54	21.39	22.04	22.53	21.05	21.70	21.56	22.21	22.69
	12H	21.02	21.60	21.52	22.09	22.65	21.22	21.80	21.73	22.29	22.85
12H	4H	20.05	20.84	20.53	21.31	21.78	20.16	20.94	20.63	21.42	21.89
	6H	20.72	21.38	21.23	21.88	22.37	20.85	21.51	21.36	22.01	22.50
	8H	20.98	21.56	21.49	22.05	22.61	21.14	21.72	21.65	22.21	22.77

END OF REPORT