

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: P1585624

Luminaire Tested: 14CZSP-SB-32HE-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585624
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-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

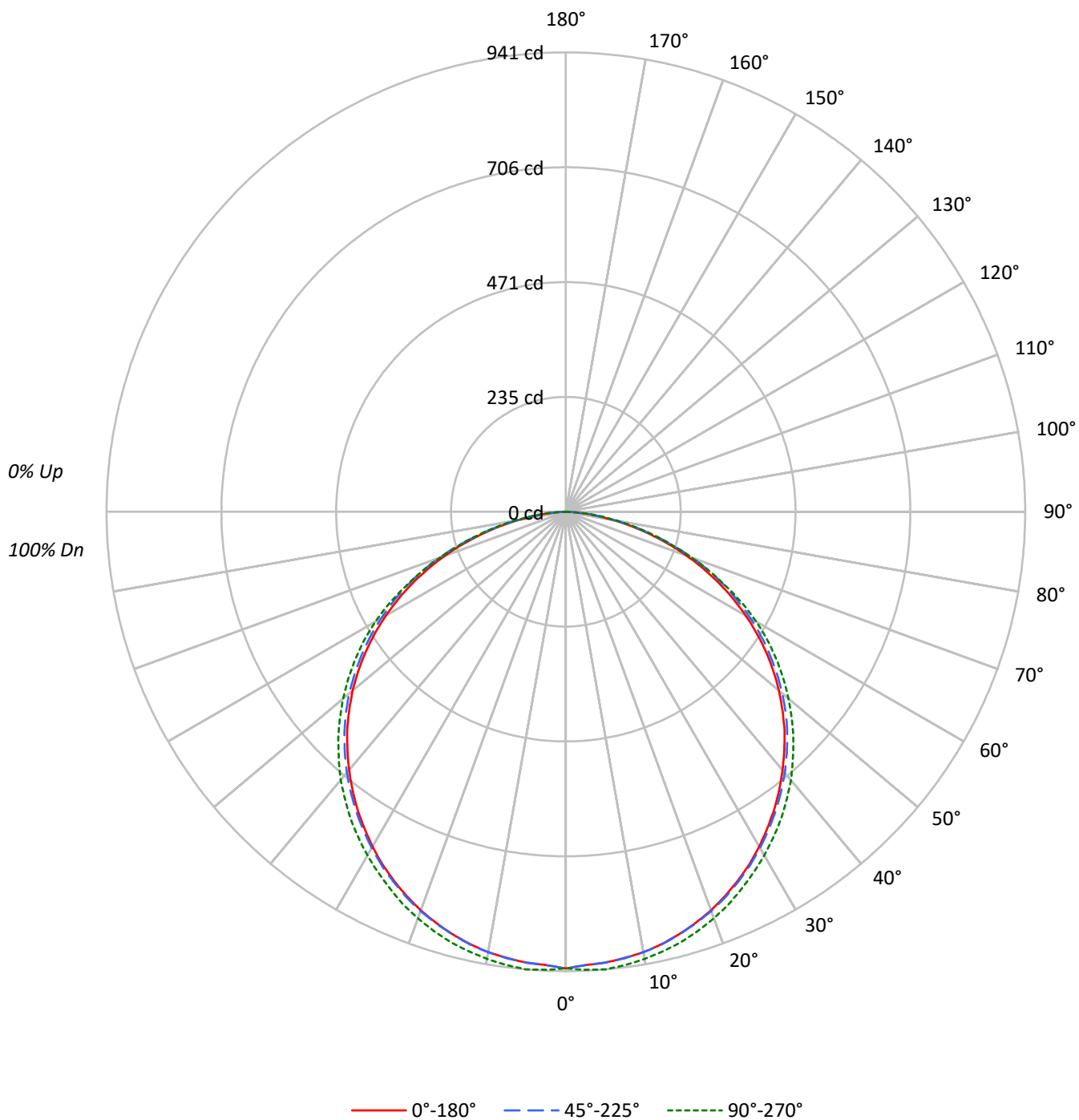
Lumens per Lamp: N/A
Luminaire Lumens: 2760.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	3152	3152	3152
5°	3136	3135	3182
10°	3135	3133	3181
15°	3126	3128	3183
20°	3116	3122	3178
25°	3100	3108	3168
30°	3082	3095	3162
35°	3061	3081	3160
40°	3038	3069	3155
45°	3019	3057	3142
50°	2989	3035	3122
55°	2942	2997	3091
60°	2871	2945	3036
65°	2763	2868	2898
70°	2598	2719	2702
75°	2333	2432	2449
80°	1927	2026	2133
85°	1291	1504	1585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	3.2
10°-20°	254.8	9.2
20°-30°	388.0	14.1
30°-40°	472.2	17.1
40°-50°	497.8	18.0
50°-60°	458.5	16.6
60°-70°	354.1	12.8
70°-80°	198.2	7.2
80°-90°	47.8	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°	731.4	26.5
0°-40°	1203.6	43.6
0°-60°	2160.0	78.3
0°-90°	2760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2760.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	927	940	927	928	941	88
15°	896	908	897	902	912	253
25°	834	846	836	841	852	384
35°	744	755	749	758	768	465
45°	634	642	642	651	659	488
55°	501	509	510	521	526	447
65°	347	357	360	363	364	342
75°	179	190	187	186	188	190
85°	33	37	39	44	41	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	935.3	935.3	935.3	935.3	935.3
2.5°	929.3	942.9	929.3	931.5	939.1
5°	927.2	940.3	926.8	928.1	940.8
7.5°	921.7	935.3	922.6	924.3	936.5
10°	916.2	928.5	915.8	917.9	929.8
12.5°	906.9	919.6	907.8	910.3	922.2
15°	896.0	908.2	896.8	901.9	912.4
17.5°	883.3	895.1	884.1	890.0	900.2
20°	868.9	880.3	870.6	874.8	886.2
22.5°	852.0	863.8	854.5	858.3	870.6
25°	833.8	845.7	835.9	841.4	852.0
27.5°	814.0	825.4	816.9	823.7	833.0
30°	792.0	803.0	795.4	803.4	812.7
32.5°	768.3	780.2	772.6	781.9	791.1
35°	744.2	755.2	748.9	758.2	768.3
37.5°	718.0	728.6	724.0	733.7	743.0
40°	690.6	702.4	697.7	707.9	717.2
42.5°	662.2	673.7	669.9	680.4	688.5
45°	633.5	642.4	641.5	651.3	659.3
47.5°	601.8	612.8	611.1	620.8	628.0
50°	570.1	579.0	579.0	588.3	595.5
52.5°	535.9	544.8	544.8	555.7	561.7
55°	500.8	509.3	510.1	520.7	526.2
57.5°	463.6	472.5	474.2	484.7	489.8
60°	426.0	434.5	437.0	447.6	450.5
62.5°	386.7	396.8	398.1	406.6	408.3
65°	346.6	356.7	359.7	363.0	363.5
67.5°	305.6	316.1	319.1	319.1	319.1
70°	263.7	273.4	276.0	274.3	274.3
72.5°	221.5	232.0	230.8	229.1	229.9
75°	179.2	190.2	186.8	186.4	188.1
77.5°	138.6	149.2	143.7	147.1	147.5
80°	99.3	107.3	104.4	109.5	109.9
82.5°	63.8	68.9	69.7	74.0	72.7
85°	33.4	36.8	38.9	43.5	41.0
87.5°	10.6	13.9	12.7	14.8	11.4
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	16.02	17.68	16.39	17.99	18.31	16.24	17.89	16.60	18.21	18.52
	3H	17.84	19.34	18.22	19.67	20.03	18.04	19.54	18.42	19.86	20.22
	4H	18.49	19.90	18.89	20.25	20.62	18.68	20.09	19.08	20.44	20.81
	6H	18.92	20.23	19.33	20.59	20.98	19.13	20.44	19.54	20.80	21.19
	8H	19.03	20.28	19.45	20.67	21.07	19.26	20.51	19.69	20.90	21.30
	12H	19.08	20.28	19.51	20.66	21.09	19.34	20.54	19.77	20.92	21.35
4H	2H	16.70	18.11	17.10	18.46	18.84	16.87	18.28	17.27	18.63	19.01
	3H	18.74	19.93	19.15	20.33	20.72	18.89	20.07	19.29	20.47	20.87
	4H	19.52	20.60	19.95	21.01	21.44	19.64	20.72	20.07	21.13	21.56
	6H	20.07	21.01	20.53	21.45	21.90	20.22	21.16	20.67	21.60	22.05
	8H	20.22	21.10	20.68	21.54	22.00	20.39	21.27	20.85	21.71	22.18
	12H	20.30	21.09	20.78	21.57	22.03	20.51	21.30	20.99	21.77	22.24
8H	4H	19.83	20.71	20.29	21.15	21.61	19.94	20.82	20.40	21.26	21.72
	6H	20.49	21.22	20.98	21.71	22.18	20.62	21.35	21.11	21.84	22.31
	8H	20.70	21.35	21.20	21.85	22.34	20.86	21.51	21.37	22.02	22.50
	12H	20.83	21.41	21.34	21.90	22.46	21.04	21.61	21.54	22.10	22.66
12H	4H	19.86	20.65	20.34	21.12	21.59	19.97	20.76	20.45	21.23	21.70
	6H	20.53	21.19	21.04	21.70	22.18	20.66	21.32	21.17	21.82	22.31
	8H	20.79	21.37	21.30	21.86	22.42	20.95	21.53	21.46	22.02	22.58