

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: P1585623

Luminaire Tested: 14CZSP-SB-32HE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585623
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-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

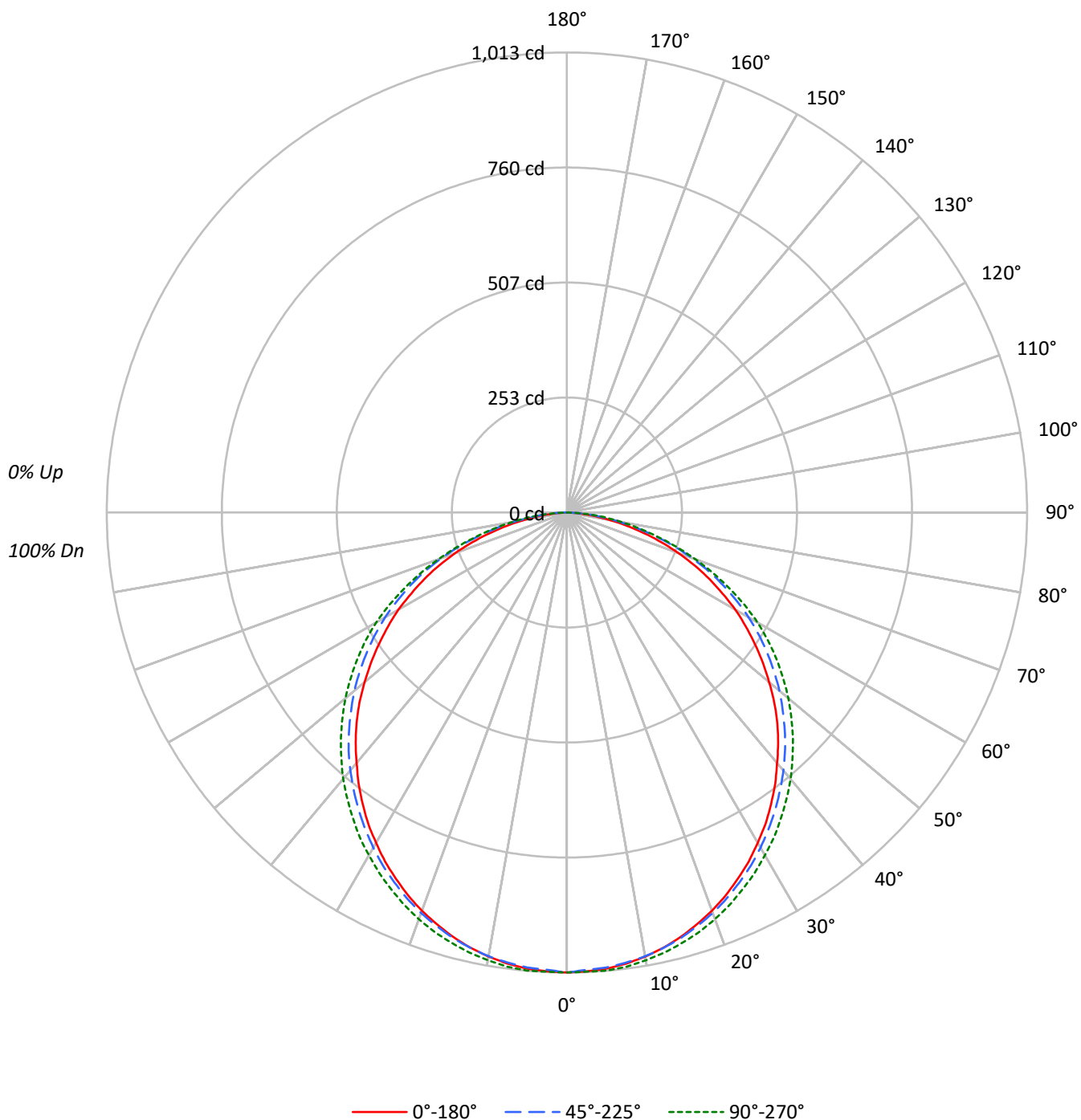
Lumens per Lamp: N/A
Luminaire Lumens: 2926.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1585623

CATALOG NUMBER: 14CZSP-SB-32HE-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1585623

CATALOG NUMBER: 14CZSP-SB-32HE-L930

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	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°	3413	3413	3413
5°	3410	3401	3424
10°	3398	3395	3425
15°	3376	3383	3423
20°	3346	3366	3417
25°	3310	3341	3404
30°	3268	3316	3391
35°	3223	3289	3379
40°	3167	3261	3370
45°	3121	3232	3352
50°	3047	3201	3336
55°	2969	3159	3310
60°	2888	3113	3266
65°	2759	3031	3142
70°	2574	2895	2964
75°	2294	2623	2700
80°	1873	2274	2389
85°	1237	1809	1941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3352 cd/sqm

TEST NUMBER: P1585623

CATALOG NUMBER: 14CZSP-SB-32HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	3.3
10°-20°	274.8	9.4
20°-30°	416.0	14.2
30°-40°	502.2	17.2
40°-50°	524.4	17.9
50°-60°	479.7	16.4
60°-70°	370.9	12.7
70°-80°	210.0	7.2
80°-90°	52.2	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°	786.7	26.9
0°-40°	1288.9	44.0
0°-60°	2293.0	78.4
0°-90°	2926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1008	1015	1006	1006	1012	96
15°	968	976	970	974	981	273
25°	890	902	899	907	916	410
35°	784	794	800	813	822	490
45°	655	668	678	695	703	504
55°	505	520	538	555	564	452
65°	346	360	380	392	394	342
75°	176	191	202	206	207	187
85°	32	37	47	49	50	41
90°	0	0	0	0	0	

TEST NUMBER: P1585623

CATALOG NUMBER: 14CZSP-SB-32HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.8	1012.8	1012.8	1012.8	1012.8
2.5°	1011.5	1018.7	1007.8	1009.9	1012.0
5°	1008.2	1015.3	1005.6	1006.5	1012.4
7.5°	1001.9	1009.9	999.7	1001.4	1008.6
10°	993.0	1001.0	992.2	993.8	1001.0
12.5°	981.6	989.6	982.0	984.6	992.6
15°	967.7	976.1	969.8	974.5	981.2
17.5°	950.9	961.4	954.6	961.8	968.6
20°	933.2	943.7	938.6	945.0	953.0
22.5°	912.9	923.5	919.7	926.4	935.3
25°	890.2	901.5	898.6	907.0	915.5
27.5°	866.6	877.5	876.7	885.9	894.8
30°	840.0	851.8	852.2	863.2	871.6
32.5°	813.5	824.0	826.5	838.7	848.4
35°	783.5	794.5	799.5	813.0	821.5
37.5°	753.2	765.4	770.9	785.6	794.5
40°	719.9	733.8	741.4	757.0	766.2
42.5°	688.3	700.9	711.0	726.6	735.1
45°	655.0	667.6	678.2	695.4	703.4
47.5°	619.2	633.1	644.4	661.3	670.2
50°	581.2	596.4	610.7	627.2	636.4
52.5°	543.7	558.5	574.9	590.9	600.2
55°	505.4	520.5	537.8	554.7	563.5
57.5°	466.6	481.7	500.7	515.9	525.2
60°	428.6	442.6	461.9	477.1	484.7
62.5°	385.7	401.7	421.5	436.7	440.9
65°	346.0	360.4	380.2	391.6	394.1
67.5°	303.9	318.2	338.0	344.3	348.1
70°	261.3	276.5	293.8	298.0	300.9
72.5°	218.3	233.9	247.4	251.6	254.2
75°	176.2	191.4	201.5	206.5	207.4
77.5°	135.3	149.2	158.5	164.4	164.4
80°	96.5	107.1	117.2	123.5	123.1
82.5°	61.5	69.5	80.1	84.7	87.7
85°	32.0	37.1	46.8	48.9	50.2
87.5°	10.1	13.1	16.9	13.9	13.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585623

CATALOG NUMBER: 14CZSP-SB-32HE-L930

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	15.94	17.59	16.31	17.91	18.22	16.49	18.14	16.85	18.45	18.76
	3H	17.72	19.21	18.09	19.54	19.90	18.35	19.84	18.72	20.17	20.53
	4H	18.34	19.75	18.74	20.10	20.47	19.02	20.43	19.42	20.77	21.15
	6H	18.75	20.05	19.16	20.42	20.81	19.50	20.81	19.91	21.17	21.56
	8H	18.85	20.09	19.27	20.48	20.88	19.66	20.91	20.08	21.30	21.69
	12H	18.89	20.09	19.32	20.47	20.90	19.76	20.95	20.19	21.33	21.76
4H	2H	16.68	18.09	17.08	18.44	18.81	17.11	18.51	17.50	18.86	19.24
	3H	18.68	19.86	19.08	20.25	20.65	19.18	20.37	19.59	20.76	21.16
	4H	19.43	20.49	19.86	20.91	21.34	19.98	21.05	20.42	21.47	21.90
	6H	19.94	20.88	20.40	21.32	21.77	20.60	21.53	21.05	21.97	22.43
	8H	20.08	20.95	20.54	21.40	21.86	20.80	21.68	21.26	22.12	22.58
	12H	20.16	20.94	20.64	21.42	21.89	20.94	21.73	21.42	22.20	22.67
8H	4H	19.78	20.66	20.24	21.10	21.56	20.27	21.15	20.73	21.59	22.06
	6H	20.41	21.14	20.91	21.63	22.10	21.01	21.73	21.50	22.22	22.70
	8H	20.61	21.26	21.12	21.76	22.25	21.28	21.93	21.79	22.44	22.92
	12H	20.73	21.31	21.24	21.80	22.36	21.49	22.06	21.99	22.55	23.11
12H	4H	19.82	20.61	20.30	21.08	21.55	20.30	21.09	20.78	21.56	22.03
	6H	20.48	21.13	20.99	21.64	22.12	21.05	21.70	21.56	22.21	22.69
	8H	20.73	21.30	21.23	21.79	22.35	21.38	21.95	21.88	22.44	23.00