

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: P1585622

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585622
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-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

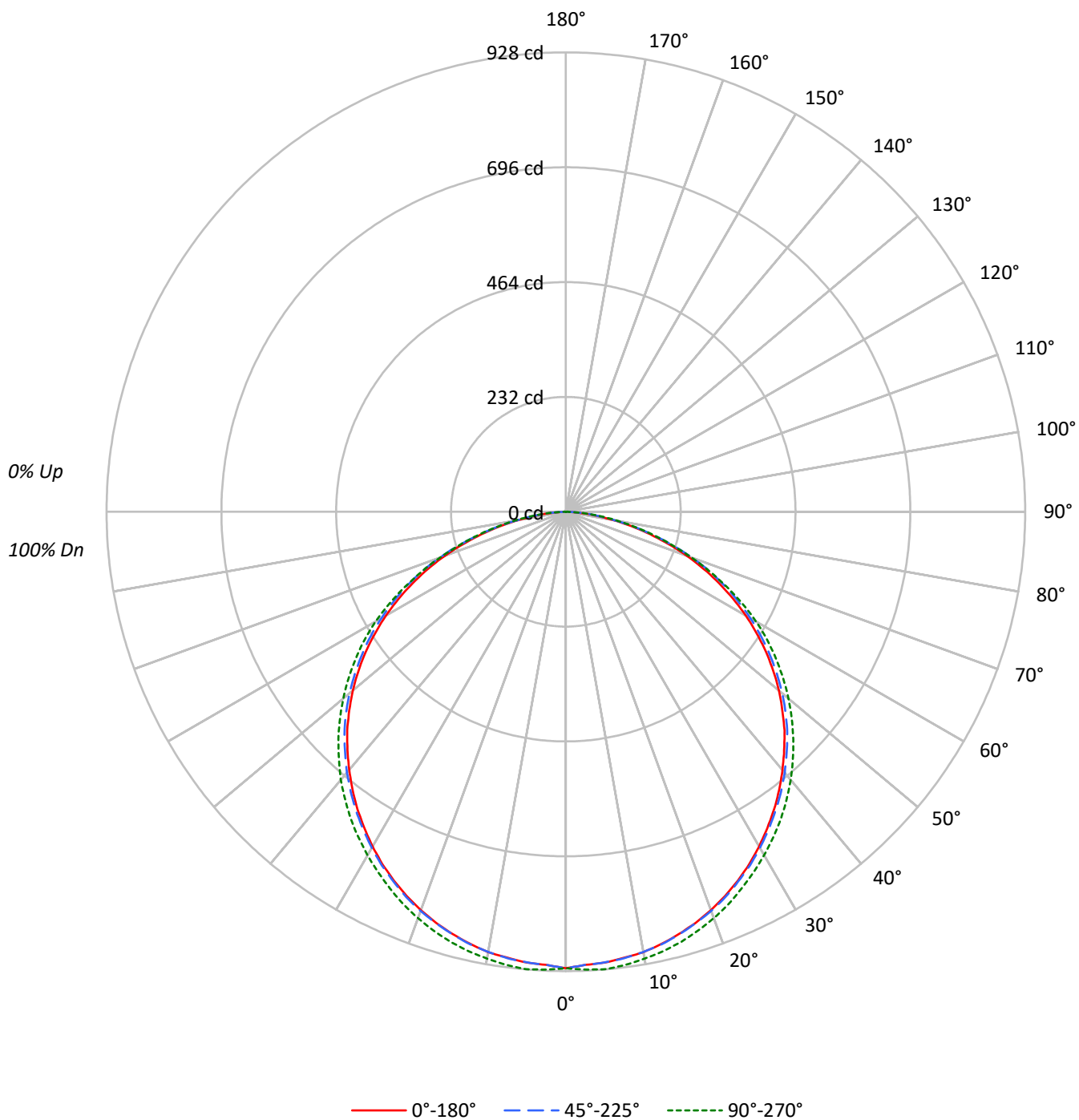
Lumens per Lamp: N/A
Luminaire Lumens: 2721.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1585622

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

Luminous Intensity Polar Plot



TEST NUMBER: P1585622

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

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°	3107	3107	3107
5°	3092	3091	3137
10°	3091	3089	3136
15°	3081	3084	3138
20°	3072	3078	3133
25°	3057	3064	3123
30°	3038	3051	3117
35°	3018	3037	3116
40°	2995	3026	3110
45°	2976	3014	3097
50°	2947	2992	3078
55°	2900	2954	3047
60°	2830	2903	2993
65°	2724	2827	2857
70°	2562	2681	2664
75°	2300	2398	2414
80°	1900	1997	2102
85°	1272	1481	1562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3097 cd/sqm

TEST NUMBER: P1585622

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	3.2
10°-20°	251.2	9.2
20°-30°	382.5	14.1
30°-40°	465.5	17.1
40°-50°	490.8	18.0
50°-60°	452.0	16.6
60°-70°	349.1	12.8
70°-80°	195.4	7.2
80°-90°	47.1	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°	721.1	26.5
0°-40°	1186.6	43.6
0°-60°	2129.5	78.3
0°-90°	2721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2721.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	914	927	914	915	928	87
15°	883	895	884	889	900	249
25°	822	834	824	830	840	379
35°	734	745	738	748	758	459
45°	625	633	632	642	650	481
55°	494	502	503	513	519	441
65°	342	352	355	358	358	337
75°	177	188	184	184	185	187
85°	33	36	38	43	40	42
90°	0	0	0	0	0	

TEST NUMBER: P1585622

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	922.0	922.0	922.0	922.0	922.0
2.5°	916.2	929.5	916.2	918.3	925.8
5°	914.1	927.0	913.7	915.0	927.5
7.5°	908.7	922.0	909.5	911.2	923.3
10°	903.3	915.4	902.9	905.0	916.6
12.5°	894.1	906.6	895.0	897.5	909.1
15°	883.3	895.4	884.1	889.1	899.5
17.5°	870.8	882.5	871.6	877.5	887.5
20°	856.6	867.9	858.3	862.5	873.7
22.5°	840.0	851.6	842.5	846.2	858.3
25°	822.1	833.7	824.1	829.6	840.0
27.5°	802.5	813.7	805.4	812.1	821.2
30°	780.8	791.6	784.1	792.1	801.2
32.5°	757.5	769.1	761.6	770.8	780.0
35°	733.7	744.6	738.3	747.5	757.5
37.5°	707.9	718.3	713.7	723.3	732.5
40°	680.8	692.5	687.9	697.9	707.1
42.5°	652.9	664.1	660.4	670.8	678.7
45°	624.6	633.3	632.5	642.1	650.0
47.5°	593.3	604.1	602.5	612.1	619.1
50°	562.1	570.8	570.8	580.0	587.1
52.5°	528.3	537.1	537.1	547.9	553.7
55°	493.7	502.1	502.9	513.3	518.7
57.5°	457.1	465.8	467.5	477.9	482.9
60°	420.0	428.3	430.8	441.2	444.1
62.5°	381.2	391.2	392.5	400.8	402.5
65°	341.7	351.7	354.6	357.9	358.3
67.5°	301.2	311.7	314.6	314.6	314.6
70°	260.0	269.6	272.1	270.4	270.4
72.5°	218.3	228.7	227.5	225.8	226.7
75°	176.7	187.5	184.2	183.7	185.4
77.5°	136.7	147.1	141.7	145.0	145.4
80°	97.9	105.8	102.9	107.9	108.3
82.5°	62.9	67.9	68.7	72.9	71.7
85°	32.9	36.2	38.3	42.9	40.4
87.5°	10.4	13.7	12.5	14.6	11.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585622

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

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	15.97	17.63	16.34	17.94	18.26	16.19	17.85	16.55	18.16	18.47
	3H	17.79	19.29	18.17	19.62	19.98	17.99	19.49	18.37	19.81	20.17
	4H	18.44	19.85	18.84	20.20	20.58	18.63	20.04	19.03	20.39	20.76
	6H	18.87	20.18	19.28	20.54	20.93	19.08	20.39	19.49	20.75	21.14
	8H	18.98	20.23	19.40	20.62	21.02	19.21	20.46	19.64	20.85	21.25
	12H	19.03	20.23	19.46	20.61	21.04	19.29	20.49	19.72	20.87	21.30
4H	2H	16.65	18.06	17.05	18.41	18.79	16.82	18.23	17.22	18.58	18.96
	3H	18.69	19.88	19.10	20.28	20.68	18.84	20.02	19.25	20.42	20.82
	4H	19.47	20.55	19.90	20.96	21.39	19.59	20.67	20.02	21.08	21.51
	6H	20.02	20.96	20.48	21.40	21.86	20.17	21.11	20.62	21.55	22.00
	8H	20.17	21.05	20.63	21.49	21.95	20.34	21.22	20.80	21.66	22.13
	12H	20.25	21.04	20.73	21.52	21.98	20.46	21.25	20.94	21.72	22.19
8H	4H	19.78	20.66	20.24	21.10	21.56	19.89	20.77	20.35	21.21	21.67
	6H	20.44	21.17	20.93	21.66	22.13	20.57	21.30	21.06	21.79	22.26
	8H	20.65	21.30	21.15	21.80	22.29	20.81	21.46	21.32	21.97	22.45
	12H	20.78	21.36	21.29	21.85	22.41	20.99	21.56	21.49	22.05	22.61
12H	4H	19.81	20.60	20.29	21.08	21.54	19.92	20.71	20.40	21.18	21.65
	6H	20.49	21.14	20.99	21.65	22.13	20.61	21.27	21.12	21.77	22.26
	8H	20.74	21.32	21.25	21.81	22.37	20.90	21.48	21.41	21.97	22.53