

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: P1585630

Luminaire Tested: 14CZSP-SB-32HE-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585630
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-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

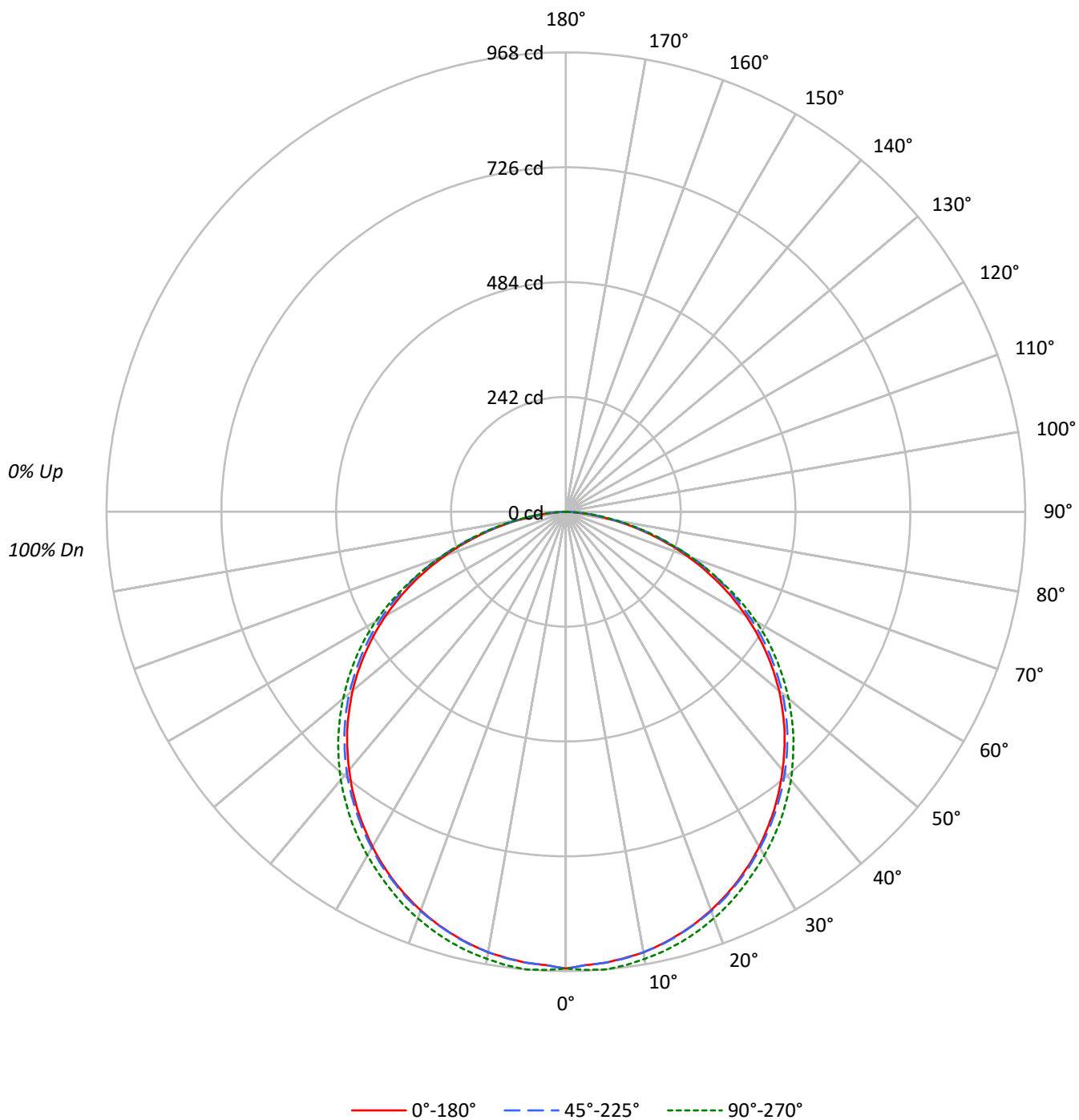
Lumens per Lamp: N/A
Luminaire Lumens: 2840.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1585630

CATALOG NUMBER: 14CZSP-SB-32HE-L950-S

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°	3243	3243	3243
5°	3227	3226	3274
10°	3226	3224	3273
15°	3216	3219	3275
20°	3206	3212	3270
25°	3190	3198	3259
30°	3171	3184	3254
35°	3150	3170	3252
40°	3126	3158	3246
45°	3107	3146	3233
50°	3075	3123	3212
55°	3027	3084	3181
60°	2954	3031	3124
65°	2843	2951	2982
70°	2674	2798	2780
75°	2401	2502	2519
80°	1983	2084	2195
85°	1330	1546	1632

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3233 cd/sqm

TEST NUMBER: P1585630

CATALOG NUMBER: 14CZSP-SB-32HE-L950-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	3.2
10°-20°	262.2	9.2
20°-30°	399.3	14.1
30°-40°	485.9	17.1
40°-50°	512.2	18.0
50°-60°	471.8	16.6
60°-70°	364.4	12.8
70°-80°	203.9	7.2
80°-90°	49.1	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°	752.6	26.5
0°-40°	1238.5	43.6
0°-60°	2222.6	78.3
0°-90°	2840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	954	968	954	955	968	91
15°	922	934	923	928	939	260
25°	858	870	860	866	877	395
35°	766	777	771	780	791	479
45°	652	661	660	670	678	502
55°	515	524	525	536	541	460
65°	357	367	370	374	374	352
75°	184	196	192	192	194	196
85°	34	38	40	45	42	44
90°	0	0	0	0	0	

TEST NUMBER: P1585630

CATALOG NUMBER: 14CZSP-SB-32HE-L950-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	962.4	962.4	962.4	962.4	962.4
2.5°	956.3	970.2	956.3	958.5	966.3
5°	954.1	967.6	953.7	955.0	968.0
7.5°	948.5	962.4	949.3	951.1	963.7
10°	942.8	955.4	942.4	944.5	956.7
12.5°	933.2	946.3	934.1	936.7	948.9
15°	921.9	934.5	922.8	928.0	938.9
17.5°	908.9	921.1	909.8	915.8	926.3
20°	894.1	905.8	895.8	900.2	911.9
22.5°	876.7	888.9	879.3	883.2	895.8
25°	858.0	870.2	860.2	865.8	876.7
27.5°	837.6	849.3	840.6	847.6	857.1
30°	815.0	826.3	818.4	826.7	836.3
32.5°	790.6	802.8	794.9	804.5	814.1
35°	765.8	777.1	770.6	780.2	790.6
37.5°	738.8	749.7	744.9	754.9	764.5
40°	710.6	722.8	718.0	728.4	738.0
42.5°	681.4	693.2	689.3	700.1	708.4
45°	651.9	661.0	660.1	670.1	678.4
47.5°	619.3	630.6	628.8	638.8	646.2
50°	586.6	595.8	595.8	605.3	612.7
52.5°	551.4	560.5	560.5	571.9	577.9
55°	515.3	524.0	524.9	535.8	541.4
57.5°	477.1	486.2	487.9	498.8	504.0
60°	438.4	447.0	449.7	460.5	463.6
62.5°	397.9	408.3	409.6	418.3	420.1
65°	356.6	367.0	370.1	373.6	374.0
67.5°	314.4	325.3	328.3	328.3	328.3
70°	271.4	281.4	284.0	282.2	282.2
72.5°	227.9	238.7	237.4	235.7	236.6
75°	184.4	195.7	192.2	191.8	193.5
77.5°	142.6	153.5	147.9	151.3	151.8
80°	102.2	110.5	107.4	112.6	113.1
82.5°	65.7	70.9	71.8	76.1	74.8
85°	34.4	37.8	40.0	44.8	42.2
87.5°	10.9	14.4	13.0	15.2	11.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585630

CATALOG NUMBER: 14CZSP-SB-32HE-L950-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	16.12	17.78	16.49	18.09	18.41	16.34	17.99	16.70	18.31	18.62
	3H	17.94	19.44	18.32	19.77	20.13	18.14	19.64	18.51	19.96	20.32
	4H	18.59	20.00	18.99	20.35	20.72	18.78	20.19	19.17	20.54	20.91
	6H	19.02	20.33	19.43	20.69	21.08	19.23	20.54	19.64	20.90	21.29
	8H	19.13	20.38	19.55	20.77	21.17	19.36	20.61	19.79	21.00	21.40
	12H	19.18	20.38	19.61	20.76	21.19	19.44	20.64	19.87	21.02	21.45
4H	2H	16.80	18.21	17.20	18.56	18.94	16.97	18.38	17.37	18.73	19.11
	3H	18.84	20.03	19.25	20.42	20.82	18.98	20.17	19.39	20.57	20.97
	4H	19.62	20.69	20.05	21.11	21.54	19.74	20.82	20.17	21.23	21.66
	6H	20.17	21.11	20.63	21.55	22.00	20.32	21.25	20.77	21.69	22.15
	8H	20.32	21.20	20.78	21.64	22.10	20.49	21.37	20.95	21.81	22.28
	12H	20.40	21.19	20.88	21.67	22.13	20.61	21.39	21.08	21.87	22.34
8H	4H	19.93	20.81	20.39	21.25	21.71	20.04	20.91	20.50	21.36	21.82
	6H	20.59	21.32	21.08	21.81	22.28	20.72	21.45	21.21	21.94	22.41
	8H	20.79	21.45	21.30	21.95	22.44	20.96	21.61	21.47	22.12	22.60
	12H	20.93	21.51	21.44	22.00	22.56	21.13	21.71	21.64	22.20	22.76
12H	4H	19.96	20.75	20.44	21.22	21.69	20.07	20.85	20.54	21.33	21.80
	6H	20.63	21.29	21.14	21.80	22.28	20.76	21.42	21.27	21.92	22.41
	8H	20.89	21.47	21.40	21.96	22.52	21.05	21.63	21.56	22.12	22.68