

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: P1585631

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585631
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-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

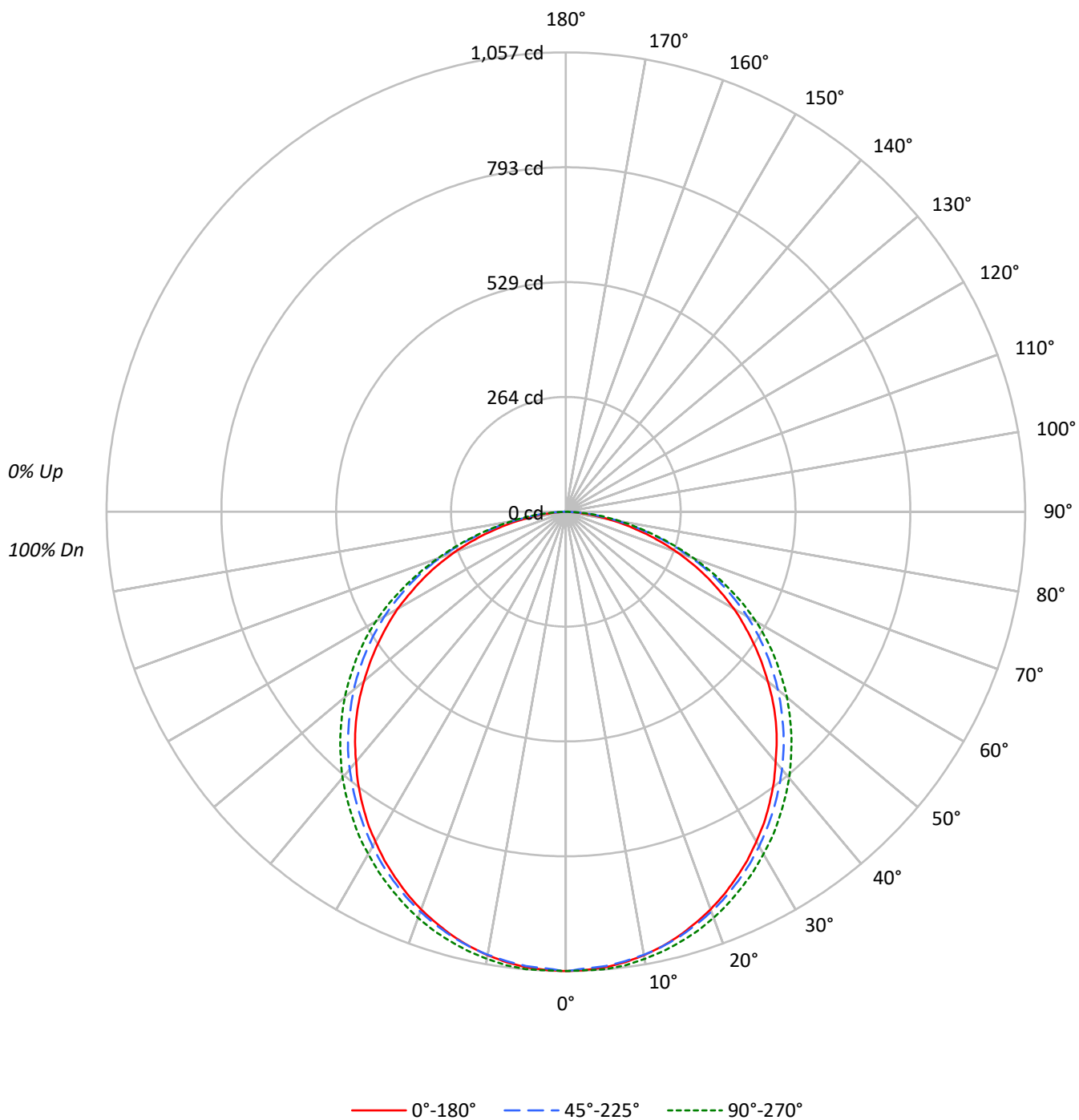
Lumens per Lamp: N/A
Luminaire Lumens: 3053.0 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1585631

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

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	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°	3561	3561	3561
5°	3558	3549	3573
10°	3545	3542	3574
15°	3522	3530	3571
20°	3492	3512	3565
25°	3453	3486	3551
30°	3410	3460	3538
35°	3363	3431	3526
40°	3304	3403	3517
45°	3257	3372	3498
50°	3179	3340	3481
55°	3098	3296	3454
60°	3014	3248	3408
65°	2879	3163	3279
70°	2687	3020	3094
75°	2393	2737	2817
80°	1954	2373	2492
85°	1291	1887	2022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3498 cd/sqm

TEST NUMBER: P1585631

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	3.3
10°-20°	286.7	9.4
20°-30°	434.1	14.2
30°-40°	523.9	17.2
40°-50°	547.2	17.9
50°-60°	500.5	16.4
60°-70°	387.0	12.7
70°-80°	219.1	7.2
80°-90°	54.4	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°	820.9	26.9
0°-40°	1344.8	44.0
0°-60°	2392.5	78.4
0°-90°	3053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1057	1057	1057	1057	1057	
5°	1052	1059	1049	1050	1056	100
15°	1010	1018	1012	1017	1024	285
25°	929	941	938	946	955	428
35°	818	829	834	848	857	511
45°	683	697	708	726	734	526
55°	527	543	561	579	588	471
65°	361	376	397	408	411	356
75°	184	200	210	216	216	195
85°	33	39	49	51	52	43
90°	0	0	0	0	0	

TEST NUMBER: P1585631

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1056.8	1056.8	1056.8	1056.8	1056.8
2.5°	1055.5	1062.9	1051.5	1053.7	1055.9
5°	1051.9	1059.4	1049.3	1050.2	1056.3
7.5°	1045.3	1053.7	1043.1	1044.9	1052.4
10°	1036.1	1044.5	1035.2	1037.0	1044.5
12.5°	1024.2	1032.6	1024.7	1027.3	1035.7
15°	1009.7	1018.5	1011.9	1016.8	1023.8
17.5°	992.1	1003.1	996.1	1003.6	1010.6
20°	973.7	984.6	979.4	986.0	994.3
22.5°	952.5	963.5	959.6	966.6	975.9
25°	928.8	940.7	937.6	946.4	955.2
27.5°	904.2	915.6	914.7	924.4	933.6
30°	876.5	888.8	889.2	900.7	909.4
32.5°	848.8	859.8	862.4	875.1	885.3
35°	817.5	829.0	834.2	848.3	857.1
37.5°	785.9	798.6	804.3	819.7	829.0
40°	751.1	765.6	773.6	789.8	799.5
42.5°	718.1	731.3	741.9	758.2	767.0
45°	683.4	696.6	707.6	725.6	734.0
47.5°	646.0	660.5	672.4	690.0	699.2
50°	606.4	622.3	637.2	654.4	664.1
52.5°	567.3	582.7	599.8	616.6	626.2
55°	527.3	543.1	561.1	578.7	588.0
57.5°	486.8	502.7	522.4	538.3	548.0
60°	447.2	461.8	482.0	497.8	505.7
62.5°	402.4	419.1	439.8	455.6	460.0
65°	361.1	376.0	396.7	408.5	411.2
67.5°	317.1	332.0	352.7	359.3	363.3
70°	272.7	288.5	306.5	310.9	314.0
72.5°	227.8	244.1	258.1	262.5	265.2
75°	183.8	199.7	210.2	215.5	216.4
77.5°	141.2	155.7	165.4	171.5	171.5
80°	100.7	111.7	122.3	128.9	128.4
82.5°	64.2	72.6	83.6	88.4	91.5
85°	33.4	38.7	48.8	51.0	52.3
87.5°	10.6	13.6	17.6	14.5	14.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585631

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

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	16.09	17.74	16.46	18.06	18.37	16.63	18.28	17.00	18.60	18.91
	3H	17.87	19.36	18.24	19.69	20.05	18.49	19.99	18.87	20.31	20.67
	4H	18.49	19.90	18.89	20.24	20.62	19.17	20.57	19.56	20.92	21.30
	6H	18.89	20.20	19.30	20.56	20.95	19.65	20.96	20.06	21.32	21.71
	8H	19.00	20.24	19.42	20.63	21.03	19.81	21.06	20.23	21.44	21.84
	12H	19.04	20.24	19.47	20.62	21.05	19.91	21.10	20.33	21.48	21.91
4H	2H	16.83	18.24	17.23	18.59	18.96	17.25	18.66	17.65	19.01	19.38
	3H	18.82	20.01	19.23	20.40	20.80	19.33	20.51	19.74	20.91	21.31
	4H	19.57	20.64	20.00	21.06	21.49	20.13	21.20	20.56	21.61	22.05
	6H	20.09	21.03	20.55	21.47	21.92	20.75	21.68	21.20	22.12	22.58
	8H	20.23	21.10	20.69	21.54	22.01	20.95	21.83	21.41	22.27	22.73
	12H	20.30	21.09	20.78	21.57	22.03	21.09	21.88	21.57	22.35	22.82
8H	4H	19.93	20.80	20.39	21.25	21.71	20.42	21.30	20.88	21.74	22.20
	6H	20.56	21.29	21.05	21.78	22.25	21.15	21.88	21.65	22.37	22.84
	8H	20.76	21.41	21.26	21.91	22.40	21.43	22.08	21.94	22.59	23.07
	12H	20.88	21.46	21.39	21.95	22.51	21.63	22.21	22.14	22.70	23.26
12H	4H	19.97	20.76	20.45	21.23	21.70	20.45	21.23	20.93	21.71	22.18
	6H	20.63	21.28	21.13	21.78	22.27	21.20	21.85	21.70	22.36	22.84
	8H	20.87	21.45	21.38	21.94	22.50	21.52	22.10	22.03	22.59	23.15