

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: P1585625

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585625
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

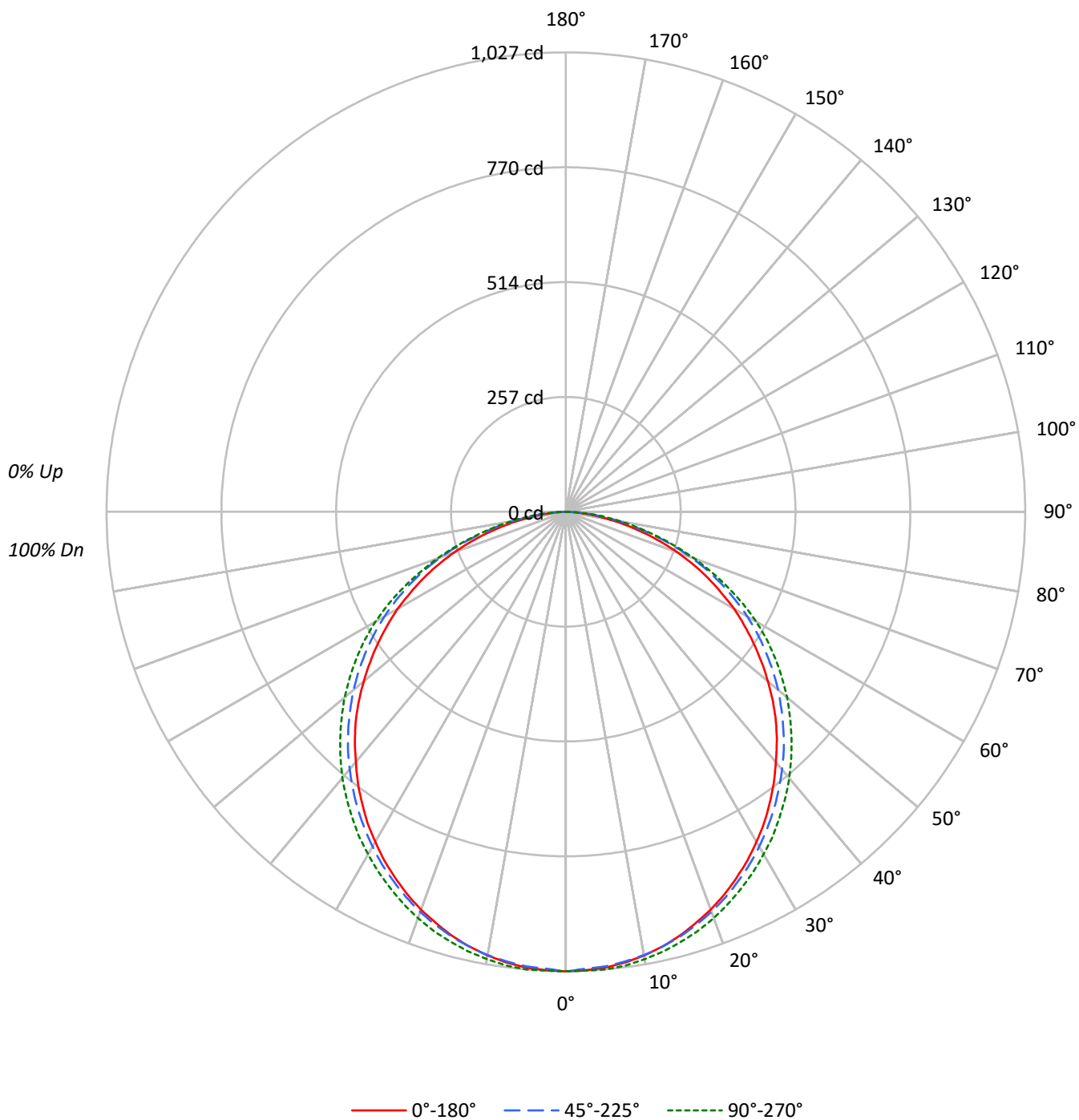
Lumens per Lamp: N/A
Luminaire Lumens: 2968.0 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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			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	100	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°	3462	3462	3462
5°	3459	3450	3473
10°	3447	3443	3474
15°	3424	3432	3472
20°	3394	3414	3466
25°	3357	3389	3452
30°	3315	3364	3440
35°	3269	3336	3428
40°	3212	3308	3419
45°	3166	3278	3400
50°	3091	3248	3384
55°	3011	3205	3358
60°	2930	3158	3314
65°	2799	3074	3187
70°	2612	2936	3008
75°	2327	2661	2738
80°	1900	2307	2422
85°	1257	1836	1968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3400 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	3.3
10°-20°	278.7	9.4
20°-30°	422.0	14.2
30°-40°	509.4	17.2
40°-50°	531.9	17.9
50°-60°	486.6	16.4
60°-70°	376.2	12.7
70°-80°	213.0	7.2
80°-90°	52.9	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°	798.0	26.9
0°-40°	1307.4	44.0
0°-60°	2325.9	78.4
0°-90°	2968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1027	1027	1027	1027	1027	
5°	1023	1030	1020	1021	1027	97
15°	982	990	984	988	995	277
25°	903	914	912	920	929	416
35°	795	806	811	825	833	497
45°	664	677	688	705	714	512
55°	513	528	546	563	572	458
65°	351	366	386	397	400	346
75°	179	194	204	210	210	189
85°	32	38	48	50	51	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1027.4	1027.4	1027.4	1027.4	1027.4
2.5°	1026.1	1033.3	1022.2	1024.4	1026.5
5°	1022.6	1029.9	1020.1	1020.9	1026.9
7.5°	1016.2	1024.4	1014.1	1015.8	1023.1
10°	1007.3	1015.4	1006.4	1008.1	1015.4
12.5°	995.7	1003.8	996.1	998.7	1006.8
15°	981.6	990.2	983.7	988.4	995.3
17.5°	964.5	975.2	968.4	975.6	982.5
20°	946.5	957.2	952.1	958.5	966.6
22.5°	926.0	936.7	932.9	939.7	948.7
25°	902.9	914.5	911.5	920.0	928.6
27.5°	879.0	890.1	889.3	898.7	907.6
30°	852.1	864.0	864.5	875.6	884.1
32.5°	825.1	835.8	838.4	850.8	860.6
35°	794.8	805.9	811.0	824.7	833.3
37.5°	764.0	776.4	781.9	796.9	805.9
40°	730.2	744.3	752.0	767.8	777.2
42.5°	698.2	711.0	721.2	737.1	745.6
45°	664.4	677.2	687.9	705.4	713.5
47.5°	628.0	642.1	653.7	670.8	679.8
50°	589.6	605.0	619.5	636.2	645.6
52.5°	551.5	566.5	583.1	599.4	608.8
55°	512.6	528.0	545.5	562.6	571.6
57.5°	473.3	488.7	507.9	523.3	532.7
60°	434.8	448.9	468.6	484.0	491.7
62.5°	391.2	407.4	427.5	442.9	447.2
65°	351.0	365.5	385.6	397.2	399.7
67.5°	308.2	322.8	342.9	349.3	353.1
70°	265.1	280.5	298.0	302.3	305.3
72.5°	221.5	237.3	251.0	255.2	257.8
75°	178.7	194.1	204.4	209.5	210.3
77.5°	137.2	151.3	160.8	166.7	166.7
80°	97.9	108.6	118.9	125.3	124.8
82.5°	62.4	70.5	81.2	85.9	88.9
85°	32.5	37.6	47.5	49.6	50.9
87.5°	10.3	13.3	17.1	14.1	13.7
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	15.99	17.65	16.36	17.96	18.27	16.54	18.19	16.90	18.50	18.81
	3H	17.77	19.26	18.14	19.59	19.95	18.40	19.89	18.77	20.22	20.58
	4H	18.39	19.80	18.79	20.15	20.52	19.07	20.48	19.47	20.82	21.20
	6H	18.80	20.10	19.21	20.47	20.86	19.55	20.86	19.96	21.22	21.61
	8H	18.90	20.14	19.32	20.53	20.93	19.71	20.96	20.13	21.35	21.74
	12H	18.94	20.14	19.37	20.52	20.95	19.81	21.00	20.24	21.38	21.81
4H	2H	16.73	18.14	17.13	18.49	18.86	17.15	18.56	17.55	18.91	19.29
	3H	18.73	19.91	19.13	20.30	20.70	19.23	20.42	19.64	20.81	21.21
	4H	19.48	20.54	19.91	20.96	21.39	20.03	21.10	20.47	21.52	21.95
	6H	19.99	20.93	20.45	21.37	21.82	20.65	21.58	21.10	22.02	22.48
	8H	20.13	21.00	20.59	21.45	21.91	20.85	21.73	21.31	22.17	22.63
	12H	20.21	20.99	20.68	21.47	21.94	20.99	21.78	21.47	22.25	22.72
8H	4H	19.83	20.71	20.29	21.15	21.61	20.32	21.20	20.78	21.64	22.11
	6H	20.46	21.19	20.96	21.68	22.15	21.06	21.78	21.55	22.27	22.75
	8H	20.66	21.31	21.16	21.81	22.30	21.33	21.98	21.84	22.49	22.97
	12H	20.78	21.36	21.29	21.85	22.41	21.54	22.11	22.04	22.60	23.16
12H	4H	19.87	20.66	20.35	21.13	21.60	20.35	21.14	20.83	21.61	22.08
	6H	20.53	21.18	21.04	21.69	22.17	21.10	21.75	21.61	22.26	22.74
	8H	20.78	21.35	21.28	21.84	22.40	21.43	22.00	21.93	22.49	23.05