

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: P1585612

Luminaire Tested: 14CZSP-SB-32HE-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585612
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-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

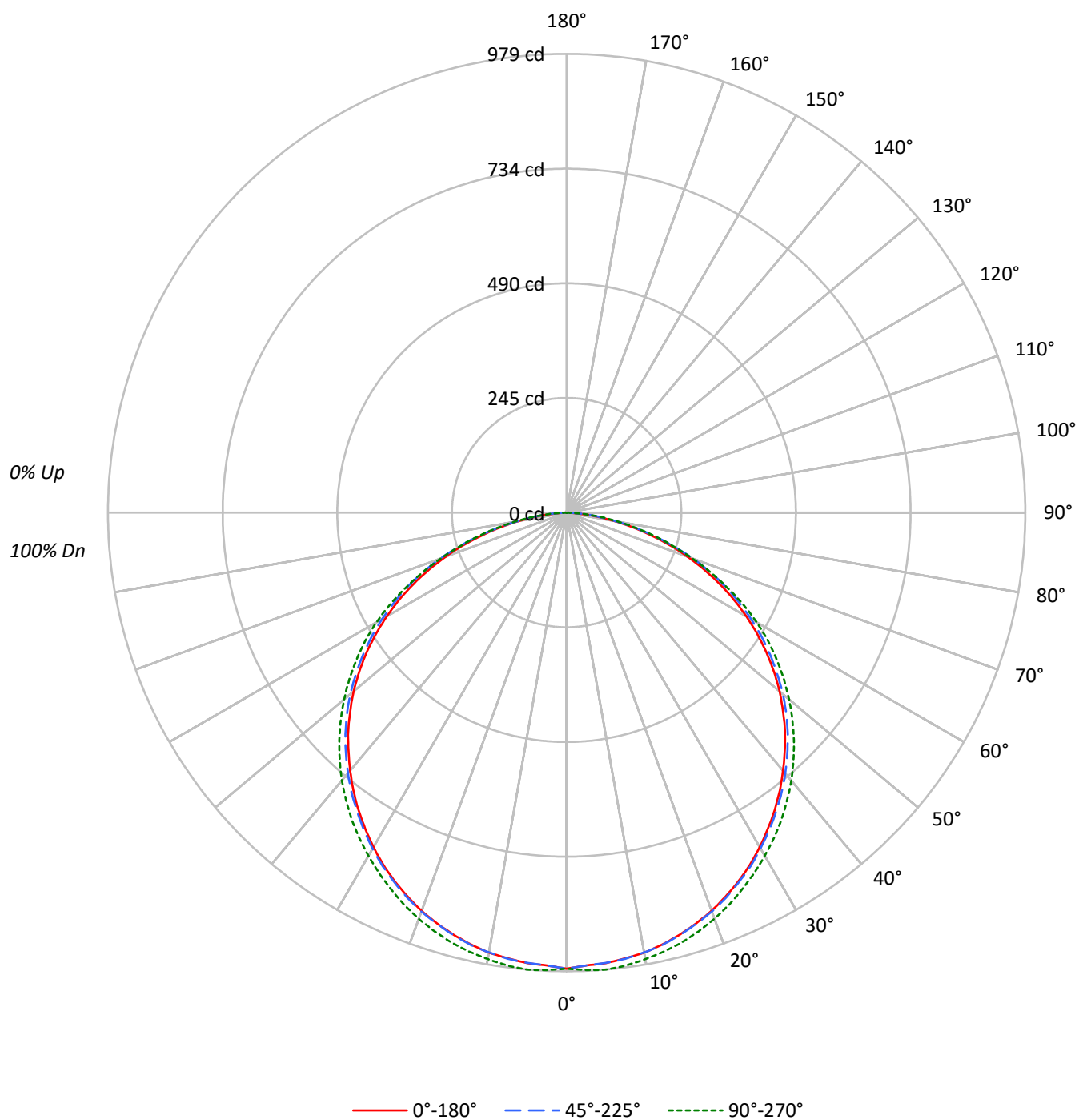
Lumens per Lamp: N/A
Luminaire Lumens: 2873.0 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3281	3281	3281
5°	3265	3263	3312
10°	3263	3262	3311
15°	3253	3256	3313
20°	3243	3249	3308
25°	3227	3235	3297
30°	3208	3221	3292
35°	3187	3206	3290
40°	3162	3195	3284
45°	3142	3182	3270
50°	3111	3159	3250
55°	3062	3119	3218
60°	2988	3066	3161
65°	2876	2985	3016
70°	2704	2830	2813
75°	2428	2531	2549
80°	2006	2109	2220
85°	1345	1566	1651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3270 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	3.2
10°-20°	265.2	9.2
20°-30°	403.9	14.1
30°-40°	491.5	17.1
40°-50°	518.2	18.0
50°-60°	477.3	16.6
60°-70°	368.6	12.8
70°-80°	206.3	7.2
80°-90°	49.7	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°	761.4	26.5
0°-40°	1252.9	43.6
0°-60°	2248.4	78.3
0°-90°	2873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	965	979	965	966	979	92
15°	933	945	934	939	950	263
25°	868	880	870	876	887	400
35°	775	786	780	789	800	485
45°	659	669	668	678	686	508
55°	521	530	531	542	548	465
65°	361	371	374	378	378	356
75°	186	198	194	194	196	198
85°	35	38	40	45	43	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	973.6	973.6	973.6	973.6	973.6
2.5°	967.4	981.5	967.4	969.6	977.5
5°	965.2	978.8	964.8	966.1	979.3
7.5°	959.5	973.6	960.4	962.1	974.9
10°	953.8	966.5	953.3	955.5	967.8
12.5°	944.1	957.3	945.0	947.6	959.9
15°	932.6	945.4	933.5	938.8	949.8
17.5°	919.4	931.8	920.3	926.5	937.0
20°	904.5	916.4	906.2	910.6	922.5
22.5°	886.9	899.2	889.5	893.5	906.2
25°	868.0	880.3	870.2	875.9	886.9
27.5°	847.3	859.2	850.4	857.4	867.1
30°	824.4	835.9	827.9	836.3	846.0
32.5°	799.8	812.1	804.2	813.9	823.5
35°	774.7	786.1	779.5	789.2	799.8
37.5°	747.4	758.4	753.6	763.7	773.4
40°	718.8	731.2	726.3	736.9	746.6
42.5°	689.4	701.2	697.3	708.3	716.6
45°	659.4	668.7	667.8	677.9	686.3
47.5°	626.5	637.9	636.1	646.2	653.7
50°	593.5	602.7	602.7	612.4	619.9
52.5°	557.8	567.1	567.1	578.5	584.7
55°	521.3	530.1	531.0	542.0	547.7
57.5°	482.6	491.8	493.6	504.6	509.9
60°	443.4	452.2	454.9	465.9	469.0
62.5°	402.5	413.1	414.4	423.2	425.0
65°	360.7	371.3	374.4	377.9	378.3
67.5°	318.1	329.1	332.1	332.1	332.1
70°	274.5	284.6	287.3	285.5	285.5
72.5°	230.5	241.5	240.2	238.4	239.3
75°	186.5	198.0	194.4	194.0	195.8
77.5°	144.3	155.3	149.6	153.1	153.5
80°	103.4	111.7	108.7	113.9	114.4
82.5°	66.4	71.7	72.6	77.0	75.7
85°	34.8	38.3	40.5	45.3	42.7
87.5°	11.0	14.5	13.2	15.4	11.9
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	16.16	17.82	16.53	18.13	18.45	16.38	18.03	16.74	18.35	18.66
	3H	17.98	19.48	18.36	19.81	20.17	18.18	19.68	18.56	20.00	20.36
	4H	18.63	20.04	19.03	20.39	20.76	18.82	20.23	19.21	20.58	20.95
	6H	19.06	20.37	19.47	20.73	21.12	19.27	20.58	19.68	20.94	21.33
	8H	19.17	20.42	19.59	20.81	21.21	19.40	20.65	19.83	21.04	21.44
	12H	19.22	20.42	19.65	20.80	21.23	19.48	20.68	19.91	21.06	21.49
4H	2H	16.84	18.25	17.24	18.60	18.98	17.01	18.42	17.41	18.77	19.15
	3H	18.88	20.07	19.29	20.46	20.86	19.02	20.21	19.43	20.61	21.01
	4H	19.66	20.73	20.09	21.15	21.58	19.78	20.86	20.21	21.27	21.70
	6H	20.21	21.15	20.67	21.59	22.04	20.36	21.29	20.81	21.73	22.19
	8H	20.36	21.24	20.82	21.68	22.14	20.53	21.41	20.99	21.85	22.32
	12H	20.44	21.23	20.92	21.70	22.17	20.65	21.43	21.13	21.91	22.38
8H	4H	19.97	20.85	20.43	21.29	21.75	20.08	20.95	20.54	21.40	21.86
	6H	20.63	21.36	21.12	21.85	22.32	20.76	21.49	21.25	21.98	22.45
	8H	20.83	21.49	21.34	21.99	22.48	21.00	21.65	21.51	22.16	22.64
	12H	20.97	21.55	21.47	22.04	22.60	21.18	21.75	21.68	22.24	22.80
12H	4H	20.00	20.79	20.48	21.26	21.73	20.11	20.89	20.59	21.37	21.84
	6H	20.67	21.33	21.18	21.83	22.32	20.80	21.46	21.31	21.96	22.45
	8H	20.93	21.51	21.44	22.00	22.56	21.09	21.67	21.60	22.16	22.72

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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