

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: P1585626

Luminaire Tested: 14CZSP-SB-32HE-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585626
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-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

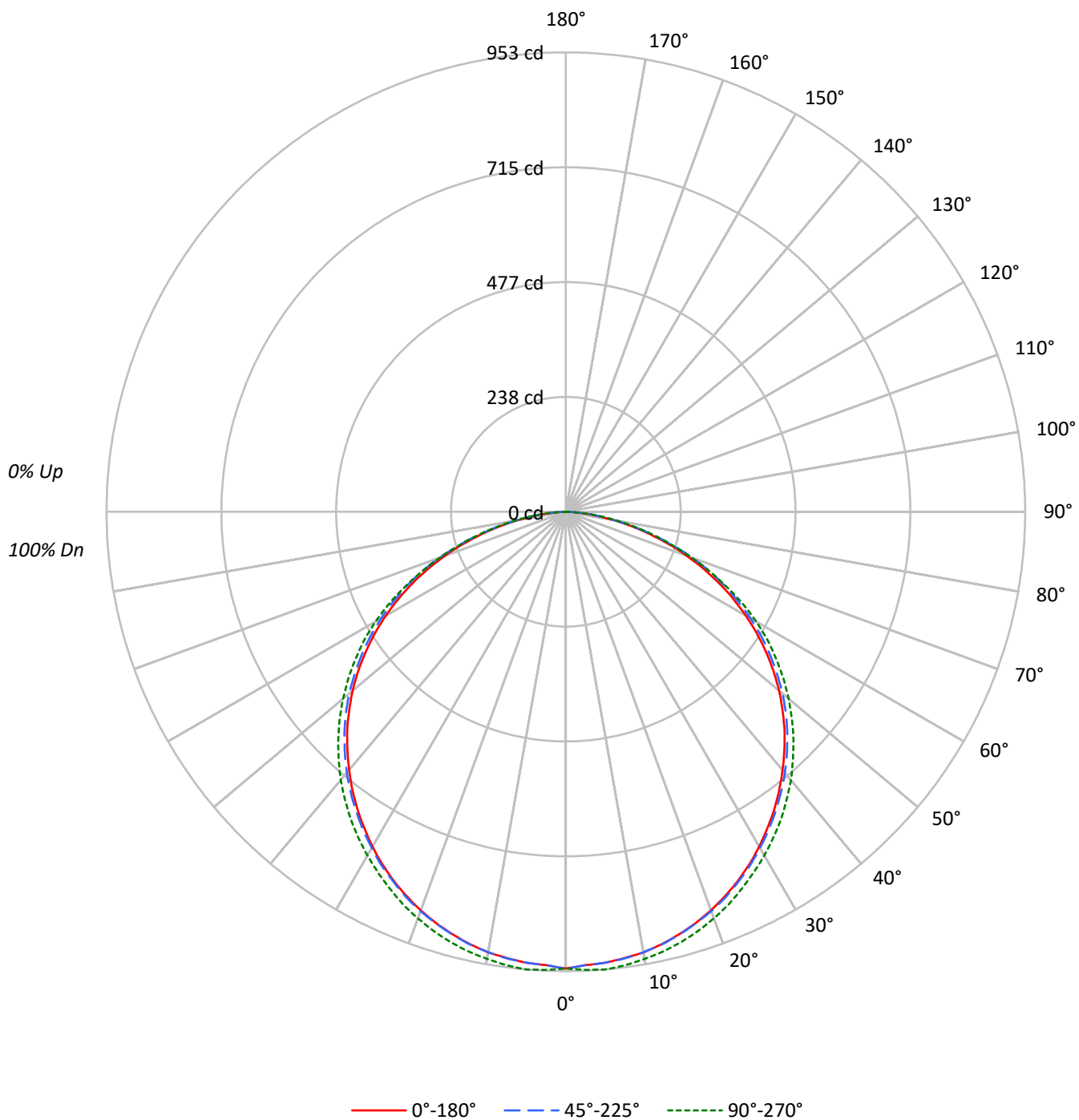
Lumens per Lamp: N/A
Luminaire Lumens: 2796.0 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3193	3193	3193
5°	3177	3176	3223
10°	3176	3175	3223
15°	3166	3169	3224
20°	3156	3163	3219
25°	3141	3149	3209
30°	3122	3135	3203
35°	3101	3121	3202
40°	3077	3109	3196
45°	3058	3097	3183
50°	3028	3075	3162
55°	2980	3036	3131
60°	2909	2983	3076
65°	2799	2905	2936
70°	2632	2755	2738
75°	2363	2463	2480
80°	1952	2051	2160
85°	1307	1523	1604

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3183 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	3.2
10°-20°	258.1	9.2
20°-30°	393.1	14.1
30°-40°	478.4	17.1
40°-50°	504.3	18.0
50°-60°	464.5	16.6
60°-70°	358.7	12.8
70°-80°	200.7	7.2
80°-90°	48.4	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°	741.0	26.5
0°-40°	1219.3	43.6
0°-60°	2188.2	78.3
0°-90°	2796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	939	953	939	940	953	89
15°	908	920	908	914	924	256
25°	845	857	847	852	863	389
35°	754	765	759	768	778	472
45°	642	651	650	660	668	495
55°	507	516	517	528	533	453
65°	351	361	364	368	368	347
75°	182	193	189	189	190	192
85°	34	37	39	44	42	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.5	947.5	947.5	947.5	947.5
2.5°	941.5	955.2	941.5	943.6	951.3
5°	939.3	952.6	938.9	940.2	953.0
7.5°	933.8	947.5	934.6	936.3	948.7
10°	928.2	940.6	927.8	929.9	941.9
12.5°	918.8	931.6	919.6	922.2	934.2
15°	907.6	920.1	908.5	913.6	924.3
17.5°	894.8	906.8	895.7	901.7	911.9
20°	880.2	891.8	882.0	886.2	897.8
22.5°	863.1	875.1	865.7	869.5	882.0
25°	844.7	856.7	846.9	852.4	863.1
27.5°	824.6	836.1	827.6	834.4	843.9
30°	802.3	813.5	805.7	813.9	823.3
32.5°	778.3	790.3	782.6	792.0	801.5
35°	753.9	765.1	758.7	768.1	778.3
37.5°	727.4	738.1	733.4	743.2	752.7
40°	699.6	711.6	706.9	717.1	726.5
42.5°	670.9	682.4	678.6	689.3	697.4
45°	641.8	650.8	649.9	659.8	667.9
47.5°	609.7	620.8	619.1	628.9	636.2
50°	577.6	586.5	586.5	596.0	603.2
52.5°	542.9	551.9	551.9	563.0	569.0
55°	507.3	515.9	516.8	527.5	533.0
57.5°	469.7	478.7	480.4	491.1	496.2
60°	431.6	440.1	442.7	453.4	456.4
62.5°	391.7	402.0	403.3	411.9	413.6
65°	351.1	361.3	364.3	367.8	368.2
67.5°	309.5	320.2	323.2	323.2	323.2
70°	267.2	277.0	279.6	277.9	277.9
72.5°	224.3	235.0	233.8	232.0	232.9
75°	181.5	192.7	189.2	188.8	190.5
77.5°	140.4	151.1	145.6	149.0	149.4
80°	100.6	108.7	105.7	110.9	111.3
82.5°	64.6	69.8	70.6	74.9	73.6
85°	33.8	37.2	39.4	44.1	41.5
87.5°	10.7	14.1	12.8	15.0	11.6
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	16.07	17.72	16.43	18.04	18.35	16.28	17.94	16.65	18.25	18.57
	3H	17.89	19.39	18.27	19.71	20.07	18.08	19.58	18.46	19.91	20.27
	4H	18.54	19.95	18.93	20.29	20.67	18.72	20.13	19.12	20.48	20.86
	6H	18.96	20.27	19.37	20.64	21.03	19.18	20.48	19.59	20.85	21.24
	8H	19.07	20.32	19.50	20.71	21.11	19.31	20.56	19.73	20.95	21.35
	12H	19.13	20.33	19.55	20.71	21.14	19.38	20.58	19.81	20.96	21.39
4H	2H	16.75	18.16	17.15	18.51	18.88	16.92	18.33	17.31	18.68	19.05
	3H	18.79	19.97	19.20	20.37	20.77	18.93	20.12	19.34	20.51	20.91
	4H	19.57	20.64	20.00	21.05	21.49	19.69	20.76	20.12	21.17	21.61
	6H	20.12	21.05	20.57	21.49	21.95	20.26	21.20	20.72	21.64	22.10
	8H	20.26	21.14	20.72	21.58	22.05	20.44	21.31	20.90	21.76	22.22
	12H	20.35	21.14	20.83	21.61	22.08	20.55	21.34	21.03	21.81	22.28
8H	4H	19.88	20.75	20.33	21.19	21.66	19.98	20.86	20.44	21.30	21.77
	6H	20.53	21.26	21.03	21.75	22.23	20.66	21.39	21.16	21.88	22.36
	8H	20.74	21.39	21.25	21.90	22.38	20.90	21.56	21.41	22.06	22.55
	12H	20.87	21.45	21.38	21.94	22.50	21.08	21.66	21.59	22.15	22.71
12H	4H	19.91	20.69	20.39	21.17	21.64	20.01	20.80	20.49	21.27	21.74
	6H	20.58	21.23	21.09	21.74	22.23	20.71	21.36	21.21	21.87	22.35
	8H	20.84	21.41	21.34	21.90	22.46	21.00	21.57	21.50	22.06	22.62