

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: P1585621

Luminaire Tested: 14CZSP-SB-32HE-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585621
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-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

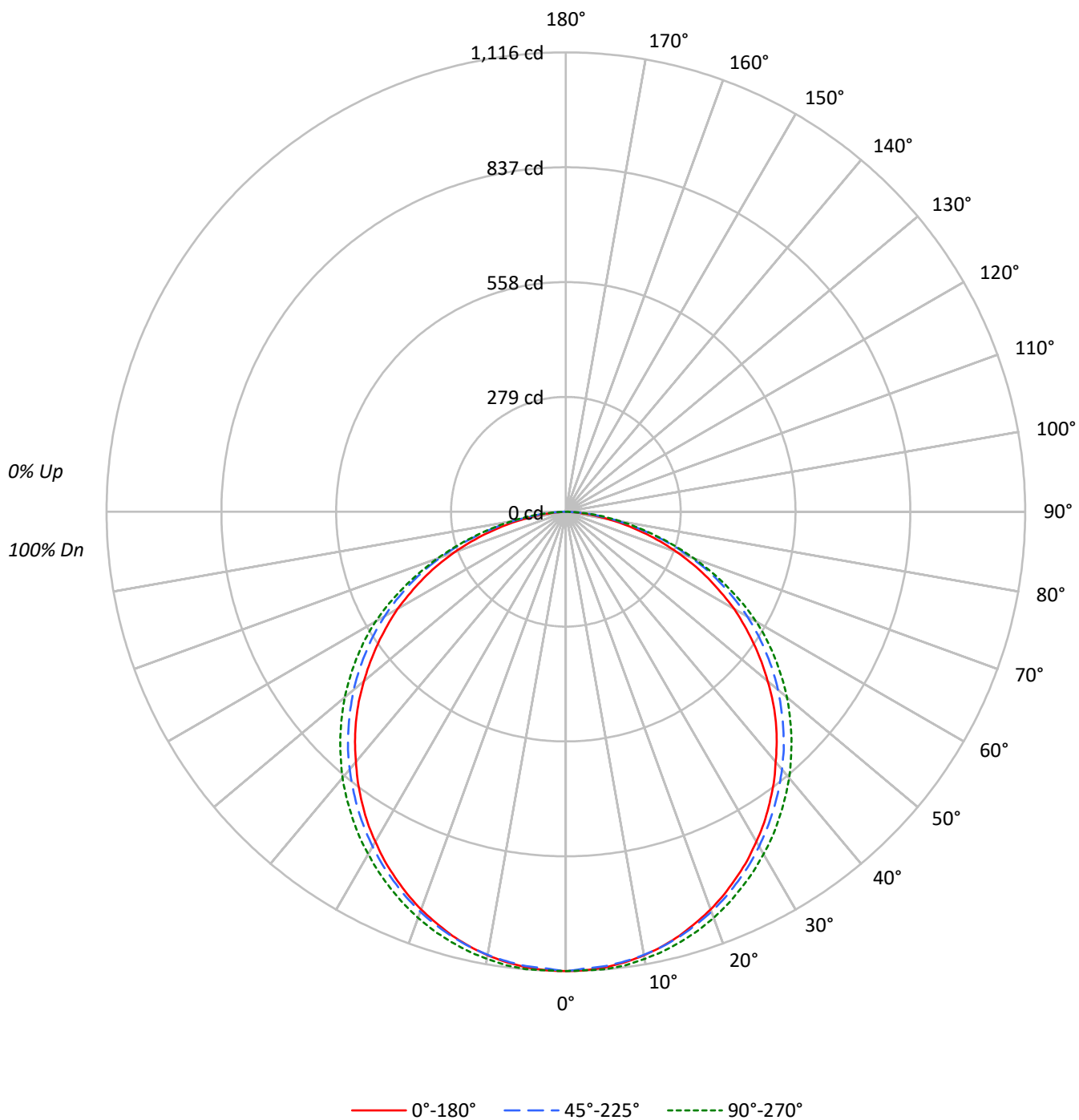
Lumens per Lamp: N/A
Luminaire Lumens: 3224.0 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3760	3760	3760
5°	3758	3748	3773
10°	3744	3740	3774
15°	3720	3728	3771
20°	3687	3708	3765
25°	3647	3681	3750
30°	3601	3654	3737
35°	3551	3624	3723
40°	3489	3593	3714
45°	3439	3561	3694
50°	3357	3527	3676
55°	3271	3481	3648
60°	3183	3430	3599
65°	3040	3340	3462
70°	2836	3189	3267
75°	2527	2890	2975
80°	2063	2505	2631
85°	1365	1991	2138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	3.3
10°-20°	302.8	9.4
20°-30°	458.4	14.2
30°-40°	553.3	17.2
40°-50°	577.8	17.9
50°-60°	528.6	16.4
60°-70°	408.6	12.7
70°-80°	231.3	7.2
80°-90°	57.5	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°	866.8	26.9
0°-40°	1420.1	44.0
0°-60°	2526.5	78.4
0°-90°	3224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3224.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1116	1116	1116	1116	1116	
5°	1111	1119	1108	1109	1116	106
15°	1066	1076	1069	1074	1081	301
25°	981	993	990	999	1009	452
35°	863	875	881	896	905	540
45°	722	736	747	766	775	556
55°	557	574	593	611	621	498
65°	381	397	419	431	434	376
75°	194	211	222	228	228	206
85°	35	41	52	54	55	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1116.0	1116.0	1116.0	1116.0	1116.0
2.5°	1114.6	1122.5	1110.4	1112.7	1115.0
5°	1110.9	1118.7	1108.1	1109.0	1115.5
7.5°	1103.9	1112.7	1101.6	1103.4	1111.3
10°	1094.1	1103.0	1093.2	1095.1	1103.0
12.5°	1081.6	1090.4	1082.1	1084.8	1093.7
15°	1066.3	1075.6	1068.6	1073.7	1081.1
17.5°	1047.7	1059.3	1051.9	1059.8	1067.2
20°	1028.2	1039.8	1034.2	1041.2	1050.0
22.5°	1005.9	1017.5	1013.3	1020.8	1030.5
25°	980.8	993.4	990.1	999.4	1008.7
27.5°	954.8	966.9	966.0	976.2	985.9
30°	925.6	938.6	939.0	951.1	960.4
32.5°	896.3	907.9	910.7	924.2	934.8
35°	863.3	875.4	881.0	895.8	905.1
37.5°	829.9	843.4	849.4	865.6	875.4
40°	793.2	808.5	816.9	834.1	844.3
42.5°	758.4	772.3	783.4	800.6	809.9
45°	721.7	735.6	747.2	766.3	775.1
47.5°	682.2	697.5	710.1	728.6	738.4
50°	640.4	657.1	672.9	691.0	701.3
52.5°	599.1	615.3	633.4	651.1	661.3
55°	556.8	573.5	592.6	611.2	620.9
57.5°	514.1	530.8	551.7	568.4	578.6
60°	472.3	487.6	509.0	525.7	534.1
62.5°	424.9	442.6	464.4	481.1	485.8
65°	381.3	397.1	418.9	431.4	434.2
67.5°	334.8	350.6	372.5	379.4	383.6
70°	287.9	304.6	323.7	328.3	331.6
72.5°	240.6	257.7	272.6	277.2	280.0
75°	194.1	210.8	222.0	227.6	228.5
77.5°	149.1	164.4	174.6	181.1	181.1
80°	106.3	118.0	129.1	136.1	135.6
82.5°	67.8	76.6	88.2	93.3	96.6
85°	35.3	40.9	51.5	53.9	55.3
87.5°	11.1	14.4	18.6	15.3	14.9
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	16.28	17.93	16.65	18.25	18.56	16.82	18.47	17.19	18.79	19.10
	3H	18.05	19.55	18.43	19.87	20.23	18.68	20.18	19.06	20.50	20.86
	4H	18.68	20.09	19.08	20.43	20.81	19.35	20.76	19.75	21.11	21.49
	6H	19.08	20.39	19.49	20.75	21.14	19.84	21.15	20.25	21.51	21.90
	8H	19.18	20.43	19.61	20.82	21.22	20.00	21.24	20.42	21.63	22.03
	12H	19.23	20.43	19.66	20.81	21.24	20.09	21.29	20.52	21.67	22.10
4H	2H	17.02	18.43	17.42	18.78	19.15	17.44	18.85	17.84	19.20	19.57
	3H	19.01	20.19	19.42	20.59	20.99	19.52	20.70	19.93	21.10	21.50
	4H	19.76	20.83	20.19	21.24	21.68	20.32	21.39	20.75	21.80	22.24
	6H	20.28	21.22	20.73	21.66	22.11	20.94	21.87	21.39	22.31	22.77
	8H	20.42	21.29	20.88	21.73	22.20	21.14	22.01	21.60	22.46	22.92
	12H	20.49	21.28	20.97	21.75	22.22	21.28	22.07	21.76	22.54	23.01
8H	4H	20.12	20.99	20.58	21.43	21.90	20.61	21.49	21.07	21.93	22.39
	6H	20.75	21.48	21.24	21.96	22.44	21.34	22.07	21.84	22.56	23.03
	8H	20.94	21.60	21.45	22.10	22.59	21.62	22.27	22.13	22.77	23.26
	12H	21.07	21.65	21.57	22.14	22.70	21.82	22.40	22.33	22.89	23.45
12H	4H	20.16	20.94	20.64	21.42	21.89	20.64	21.42	21.12	21.90	22.37
	6H	20.81	21.47	21.32	21.97	22.46	21.39	22.04	21.89	22.55	23.03
	8H	21.06	21.64	21.57	22.13	22.69	21.71	22.29	22.22	22.78	23.34