

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: P1585638

Luminaire Tested: 14CZSP-SB-35-L845-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585638
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-35-L845-S
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 3000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

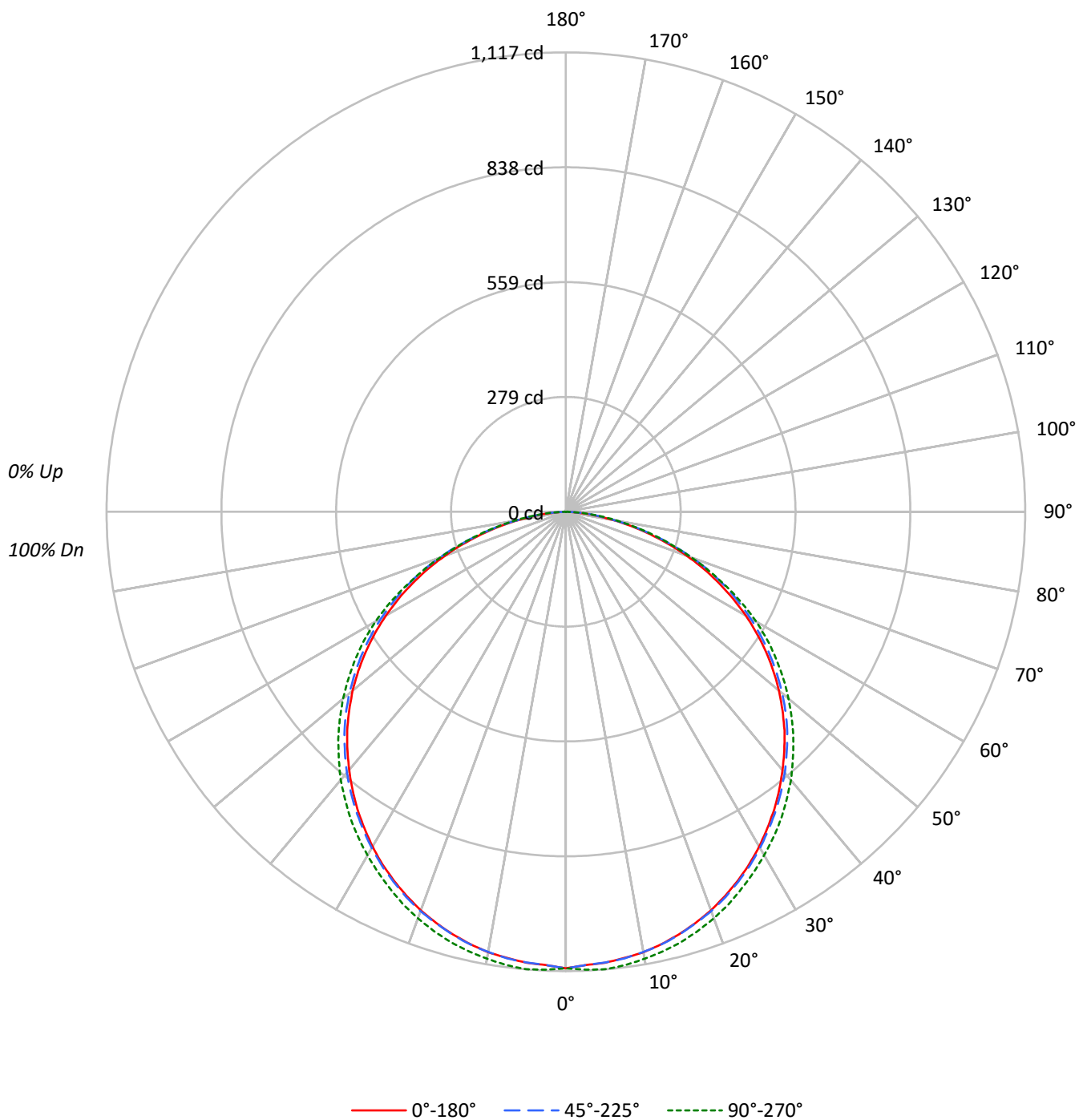
Lumens per Lamp: N/A
Luminaire Lumens: 3276.0 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 23.2
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°	3741	3741	3741
5°	3723	3721	3777
10°	3721	3719	3776
15°	3710	3713	3778
20°	3698	3706	3772
25°	3680	3689	3760
30°	3658	3673	3753
35°	3634	3656	3752
40°	3606	3643	3745
45°	3583	3629	3729
50°	3547	3602	3705
55°	3492	3557	3669
60°	3407	3496	3603
65°	3279	3404	3440
70°	3084	3228	3208
75°	2769	2886	2906
80°	2288	2404	2530
85°	1531	1786	1883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	3.2
10°-20°	302.4	9.2
20°-30°	460.5	14.1
30°-40°	560.5	17.1
40°-50°	590.9	18.0
50°-60°	544.2	16.6
60°-70°	420.3	12.8
70°-80°	235.2	7.2
80°-90°	56.7	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°	868.2	26.5
0°-40°	1428.7	43.6
0°-60°	2563.8	78.3
0°-90°	3276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1101	1116	1100	1102	1117	105
15°	1064	1078	1064	1070	1083	300
25°	990	1004	992	999	1011	456
35°	883	896	889	900	912	553
45°	752	762	762	773	782	579
55°	594	604	606	618	624	531
65°	411	423	427	431	431	406
75°	213	226	222	221	223	226
85°	40	44	46	52	49	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1103.1	1119.1	1103.1	1105.6	1114.6
5°	1100.6	1116.1	1100.1	1101.6	1116.6
7.5°	1094.1	1110.1	1095.1	1097.1	1111.6
10°	1087.5	1102.1	1087.0	1089.5	1103.6
12.5°	1076.5	1091.6	1077.5	1080.5	1094.6
15°	1063.5	1078.0	1064.5	1070.5	1083.0
17.5°	1048.4	1062.5	1049.4	1056.4	1068.5
20°	1031.4	1044.9	1033.4	1038.4	1051.9
22.5°	1011.3	1025.3	1014.3	1018.8	1033.4
25°	989.7	1003.8	992.2	998.8	1011.3
27.5°	966.1	979.7	969.7	977.7	988.7
30°	940.1	953.1	944.1	953.6	964.6
32.5°	912.0	926.0	917.0	928.0	939.1
35°	883.4	896.4	888.9	899.9	912.0
37.5°	852.3	864.8	859.3	870.8	881.9
40°	819.7	833.7	828.2	840.2	851.3
42.5°	786.1	799.6	795.1	807.6	817.2
45°	751.9	762.5	761.5	773.0	782.5
47.5°	714.3	727.4	725.4	736.9	745.4
50°	676.7	687.2	687.2	698.3	706.8
52.5°	636.1	646.6	646.6	659.6	666.7
55°	594.4	604.5	605.5	618.0	624.5
57.5°	550.3	560.8	562.8	575.4	581.4
60°	505.6	515.7	518.7	531.2	534.7
62.5°	459.0	471.0	472.5	482.6	484.6
65°	411.3	423.4	426.9	430.9	431.4
67.5°	362.7	375.2	378.7	378.7	378.7
70°	313.0	324.6	327.6	325.6	325.6
72.5°	262.9	275.4	273.9	271.9	272.9
75°	212.7	225.7	221.7	221.2	223.2
77.5°	164.5	177.1	170.6	174.6	175.1
80°	117.9	127.4	123.9	129.9	130.4
82.5°	75.7	81.8	82.8	87.8	86.3
85°	39.6	43.6	46.2	51.7	48.7
87.5°	12.5	16.6	15.0	17.6	13.5
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	16.62	18.27	16.98	18.59	18.90	16.83	18.49	17.20	18.80	19.12
	3H	18.44	19.94	18.82	20.26	20.62	18.63	20.13	19.01	20.46	20.82
	4H	19.09	20.50	19.48	20.85	21.22	19.27	20.69	19.67	21.03	21.41
	6H	19.51	20.82	19.92	21.19	21.58	19.73	21.04	20.14	21.40	21.79
	8H	19.62	20.87	20.05	21.26	21.66	19.86	21.11	20.28	21.50	21.90
	12H	19.68	20.88	20.11	21.26	21.69	19.93	21.13	20.36	21.51	21.94
4H	2H	17.30	18.71	17.70	19.06	19.43	17.47	18.88	17.87	19.23	19.60
	3H	19.34	20.52	19.75	20.92	21.32	19.48	20.67	19.89	21.06	21.46
	4H	20.12	21.19	20.55	21.60	22.04	20.24	21.31	20.67	21.72	22.16
	6H	20.67	21.61	21.12	22.05	22.50	20.81	21.75	21.27	22.19	22.65
	8H	20.81	21.69	21.27	22.13	22.60	20.99	21.87	21.45	22.31	22.77
	12H	20.90	21.69	21.38	22.16	22.63	21.10	21.89	21.58	22.37	22.83
8H	4H	20.43	21.30	20.89	21.74	22.21	20.53	21.41	20.99	21.85	22.32
	6H	21.09	21.81	21.58	22.30	22.78	21.22	21.94	21.71	22.43	22.91
	8H	21.29	21.94	21.80	22.45	22.93	21.45	22.11	21.96	22.61	23.10
	12H	21.43	22.00	21.93	22.49	23.05	21.63	22.21	22.14	22.70	23.26
12H	4H	20.46	21.25	20.94	21.72	22.19	20.56	21.35	21.04	21.83	22.29
	6H	21.13	21.79	21.64	22.29	22.78	21.26	21.91	21.76	22.42	22.90
	8H	21.39	21.96	21.89	22.45	23.01	21.55	22.12	22.05	22.61	23.17