

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: P1585651

Luminaire Tested: 14CZSP-SB-35-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585651
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-35-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

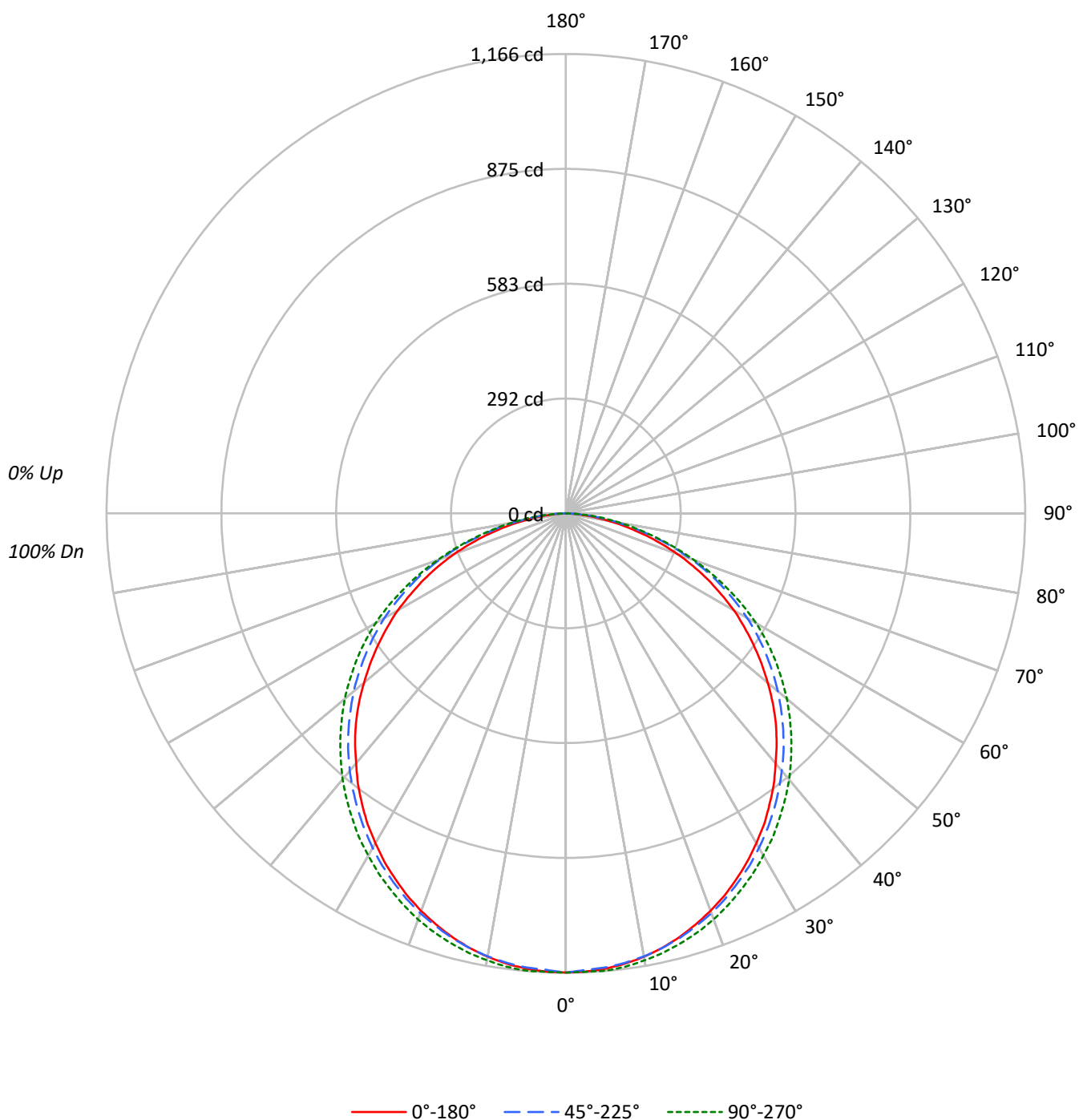
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3367.0 lumens
Efficiency: N/A
Efficacy: 145.1 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): 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			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°	3927	3927	3927
5°	3924	3914	3941
10°	3910	3906	3941
15°	3885	3893	3939
20°	3850	3873	3932
25°	3808	3844	3916
30°	3761	3816	3903
35°	3709	3784	3888
40°	3644	3753	3878
45°	3592	3719	3858
50°	3506	3684	3839
55°	3416	3636	3809
60°	3324	3583	3759
65°	3175	3488	3616
70°	2962	3330	3412
75°	2639	3018	3106
80°	2156	2616	2748
85°	1427	2080	2231

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3858 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.3
10°-20°	316.2	9.4
20°-30°	478.7	14.2
30°-40°	577.8	17.2
40°-50°	603.5	17.9
50°-60°	552.0	16.4
60°-70°	426.8	12.7
70°-80°	241.6	7.2
80°-90°	60.0	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°	905.3	26.9
0°-40°	1483.1	44.0
0°-60°	2638.6	78.4
0°-90°	3367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1160	1168	1157	1158	1165	110
15°	1114	1123	1116	1121	1129	314
25°	1024	1037	1034	1044	1053	472
35°	902	914	920	936	945	564
45°	754	768	780	800	810	580
55°	582	599	619	638	648	520
65°	398	415	438	451	454	393
75°	203	220	232	238	239	215
85°	37	43	54	56	58	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1165.5	1165.5	1165.5	1165.5	1165.5
2.5°	1164.0	1172.3	1159.6	1162.1	1164.5
5°	1160.1	1168.4	1157.2	1158.2	1165.0
7.5°	1152.9	1162.1	1150.4	1152.4	1160.6
10°	1142.7	1151.9	1141.7	1143.6	1151.9
12.5°	1129.6	1138.8	1130.1	1133.0	1142.2
15°	1113.6	1123.3	1116.0	1121.3	1129.1
17.5°	1094.2	1106.3	1098.5	1106.8	1114.5
20°	1073.8	1085.9	1080.1	1087.4	1096.6
22.5°	1050.5	1062.6	1058.3	1066.0	1076.2
25°	1024.3	1037.4	1034.0	1043.7	1053.4
27.5°	997.2	1009.8	1008.8	1019.5	1029.7
30°	966.6	980.2	980.7	993.3	1003.0
32.5°	936.1	948.2	951.1	965.2	976.3
35°	901.6	914.2	920.0	935.6	945.3
37.5°	866.7	880.8	887.1	904.0	914.2
40°	828.4	844.4	853.1	871.1	881.7
42.5°	792.0	806.6	818.2	836.1	845.8
45°	753.7	768.2	780.4	800.3	809.5
47.5°	712.5	728.5	741.6	761.0	771.2
50°	668.8	686.3	702.8	721.7	732.4
52.5°	625.7	642.6	661.5	680.0	690.6
55°	581.5	599.0	618.9	638.3	648.4
57.5°	536.9	554.4	576.2	593.6	604.3
60°	493.2	509.3	531.6	549.0	557.8
62.5°	443.8	462.2	485.0	502.5	507.3
65°	398.2	414.7	437.5	450.6	453.5
67.5°	349.7	366.2	389.0	396.2	400.6
70°	300.7	318.2	338.0	342.9	346.3
72.5°	251.2	269.2	284.7	289.5	292.5
75°	202.7	220.2	231.8	237.7	238.6
77.5°	155.7	171.7	182.4	189.2	189.2
80°	111.1	123.2	134.8	142.1	141.6
82.5°	70.8	80.0	92.2	97.5	100.9
85°	36.9	42.7	53.8	56.3	57.7
87.5°	11.6	15.0	19.4	16.0	15.5
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	16.43	18.08	16.80	18.40	18.71	16.97	18.62	17.34	18.94	19.25
	3H	18.21	19.70	18.58	20.03	20.39	18.83	20.33	19.21	20.65	21.01
	4H	18.83	20.24	19.23	20.58	20.96	19.51	20.91	19.90	21.26	21.64
	6H	19.23	20.54	19.64	20.90	21.29	19.99	21.30	20.40	21.66	22.05
	8H	19.34	20.58	19.76	20.97	21.37	20.15	21.39	20.57	21.78	22.18
	12H	19.38	20.58	19.81	20.96	21.39	20.25	21.44	20.67	21.82	22.25
4H	2H	17.17	18.58	17.57	18.93	19.30	17.59	19.00	17.99	19.35	19.72
	3H	19.16	20.35	19.57	20.74	21.14	19.67	20.85	20.08	21.25	21.65
	4H	19.91	20.98	20.34	21.40	21.83	20.47	21.54	20.90	21.95	22.39
	6H	20.43	21.37	20.89	21.81	22.26	21.09	22.02	21.54	22.46	22.92
	8H	20.57	21.44	21.03	21.88	22.35	21.29	22.17	21.75	22.61	23.07
	12H	20.64	21.43	21.12	21.91	22.37	21.43	22.22	21.91	22.69	23.16
8H	4H	20.27	21.14	20.73	21.59	22.05	20.76	21.64	21.22	22.08	22.54
	6H	20.90	21.63	21.39	22.12	22.59	21.49	22.22	21.99	22.71	23.18
	8H	21.10	21.75	21.60	22.25	22.74	21.77	22.42	22.28	22.93	23.41
	12H	21.22	21.80	21.73	22.29	22.85	21.97	22.55	22.48	23.04	23.60
12H	4H	20.31	21.10	20.79	21.57	22.04	20.79	21.57	21.27	22.05	22.52
	6H	20.97	21.62	21.47	22.12	22.61	21.54	22.19	22.04	22.70	23.18
	8H	21.21	21.79	21.72	22.28	22.84	21.86	22.44	22.37	22.93	23.49