

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: P1585643

Luminaire Tested: 14CZSP-SB-35-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585643
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-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

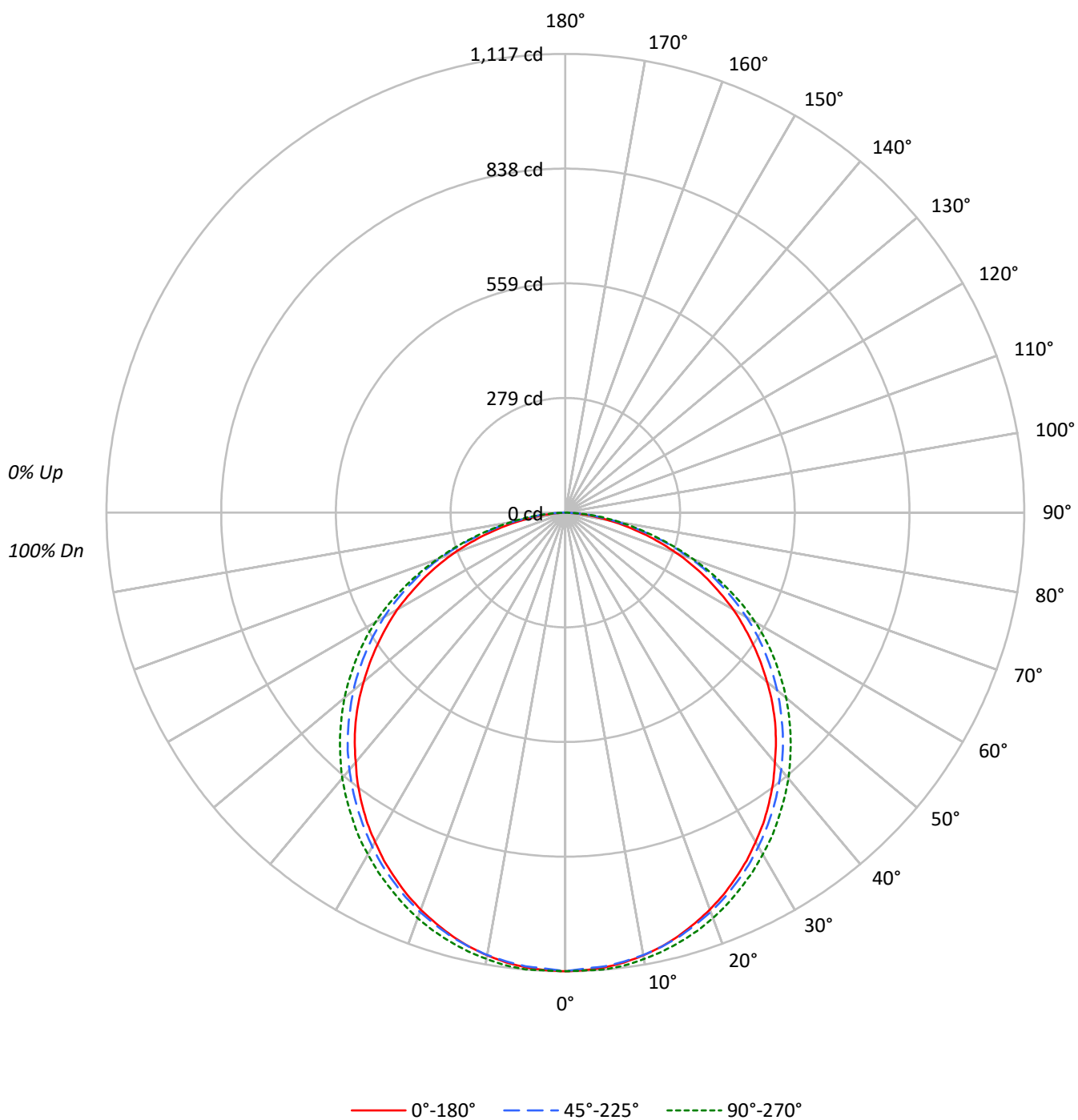
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3226.0 lumens
Efficiency: N/A
Efficacy: 139.1 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
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°	3763	3763	3763
5°	3760	3750	3775
10°	3746	3743	3776
15°	3722	3730	3774
20°	3689	3711	3768
25°	3649	3683	3752
30°	3603	3656	3739
35°	3554	3626	3726
40°	3491	3595	3716
45°	3441	3563	3696
50°	3359	3530	3678
55°	3273	3483	3650
60°	3185	3432	3601
65°	3042	3342	3464
70°	2838	3191	3269
75°	2528	2892	2976
80°	2065	2507	2633
85°	1365	1995	2138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	3.3
10°-20°	302.9	9.4
20°-30°	458.7	14.2
30°-40°	553.6	17.2
40°-50°	578.2	17.9
50°-60°	528.9	16.4
60°-70°	408.9	12.7
70°-80°	231.5	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°	867.4	26.9
0°-40°	1421.0	44.0
0°-60°	2528.1	78.4
0°-90°	3226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1112	1119	1109	1110	1116	106
15°	1067	1076	1069	1074	1082	301
25°	981	994	991	1000	1009	452
35°	864	876	882	896	906	540
45°	722	736	748	767	776	556
55°	557	574	593	612	621	498
65°	382	397	419	432	434	377
75°	194	211	222	228	229	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°	1116.7	1116.7	1116.7	1116.7	1116.7
2.5°	1115.3	1123.2	1111.1	1113.4	1115.7
5°	1111.5	1119.4	1108.8	1109.7	1116.2
7.5°	1104.6	1113.4	1102.2	1104.1	1112.0
10°	1094.8	1103.6	1093.9	1095.7	1103.6
12.5°	1082.3	1091.1	1082.7	1085.5	1094.3
15°	1066.9	1076.2	1069.3	1074.4	1081.8
17.5°	1048.3	1060.0	1052.5	1060.4	1067.9
20°	1028.8	1040.4	1034.9	1041.8	1050.7
22.5°	1006.5	1018.1	1014.0	1021.4	1031.2
25°	981.4	994.0	990.7	1000.0	1009.3
27.5°	955.4	967.5	966.6	976.8	986.5
30°	926.1	939.1	939.6	951.7	961.0
32.5°	896.9	908.5	911.3	924.7	935.4
35°	863.9	875.9	881.5	896.4	905.7
37.5°	830.4	843.9	849.9	866.2	875.9
40°	793.7	809.0	817.4	834.6	844.8
42.5°	758.8	772.8	783.9	801.1	810.4
45°	722.1	736.1	747.7	766.7	775.6
47.5°	682.6	698.0	710.5	729.1	738.9
50°	640.8	657.5	673.3	691.5	701.7
52.5°	599.5	615.7	633.8	651.5	661.7
55°	557.2	573.9	592.9	611.5	621.3
57.5°	514.4	531.1	552.1	568.8	579.0
60°	472.6	487.9	509.3	526.0	534.4
62.5°	425.2	442.9	464.7	481.4	486.1
65°	381.5	397.3	419.2	431.7	434.5
67.5°	335.0	350.8	372.7	379.7	383.8
70°	288.1	304.8	323.9	328.5	331.8
72.5°	240.7	257.9	272.8	277.4	280.2
75°	194.2	211.0	222.1	227.7	228.6
77.5°	149.2	164.5	174.7	181.2	181.2
80°	106.4	118.0	129.2	136.2	135.7
82.5°	67.8	76.7	88.3	93.4	96.7
85°	35.3	40.9	51.6	53.9	55.3
87.5°	11.2	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	16.83	18.48	17.19	18.79	19.10
	3H	18.06	19.55	18.43	19.88	20.24	18.69	20.18	19.06	20.51	20.87
	4H	18.68	20.09	19.08	20.44	20.81	19.36	20.77	19.75	21.11	21.49
	6H	19.08	20.39	19.50	20.75	21.14	19.84	21.15	20.25	21.51	21.90
	8H	19.19	20.43	19.61	20.82	21.22	20.00	21.25	20.42	21.64	22.03
	12H	19.23	20.43	19.66	20.81	21.24	20.10	21.29	20.53	21.67	22.10
4H	2H	17.02	18.43	17.42	18.78	19.15	17.44	18.85	17.84	19.20	19.58
	3H	19.01	20.20	19.42	20.59	20.99	19.52	20.70	19.93	21.10	21.50
	4H	19.76	20.83	20.20	21.25	21.68	20.32	21.39	20.75	21.81	22.24
	6H	20.28	21.22	20.74	21.66	22.11	20.94	21.87	21.39	22.31	22.77
	8H	20.42	21.29	20.88	21.74	22.20	21.14	22.02	21.60	22.46	22.92
	12H	20.49	21.28	20.97	21.76	22.23	21.28	22.07	21.76	22.54	23.01
8H	4H	20.12	20.99	20.58	21.44	21.90	20.61	21.49	21.07	21.93	22.40
	6H	20.75	21.48	21.24	21.97	22.44	21.35	22.07	21.84	22.56	23.04
	8H	20.95	21.60	21.45	22.10	22.59	21.62	22.27	22.13	22.78	23.26
	12H	21.07	21.65	21.58	22.14	22.70	21.83	22.40	22.33	22.89	23.45
12H	4H	20.16	20.95	20.64	21.42	21.89	20.64	21.42	21.12	21.90	22.37
	6H	20.82	21.47	21.32	21.98	22.46	21.39	22.04	21.90	22.55	23.03
	8H	21.07	21.64	21.57	22.13	22.69	21.72	22.29	22.22	22.78	23.34