

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: P1585642

Luminaire Tested: 14CZSP-SB-35-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585642
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-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

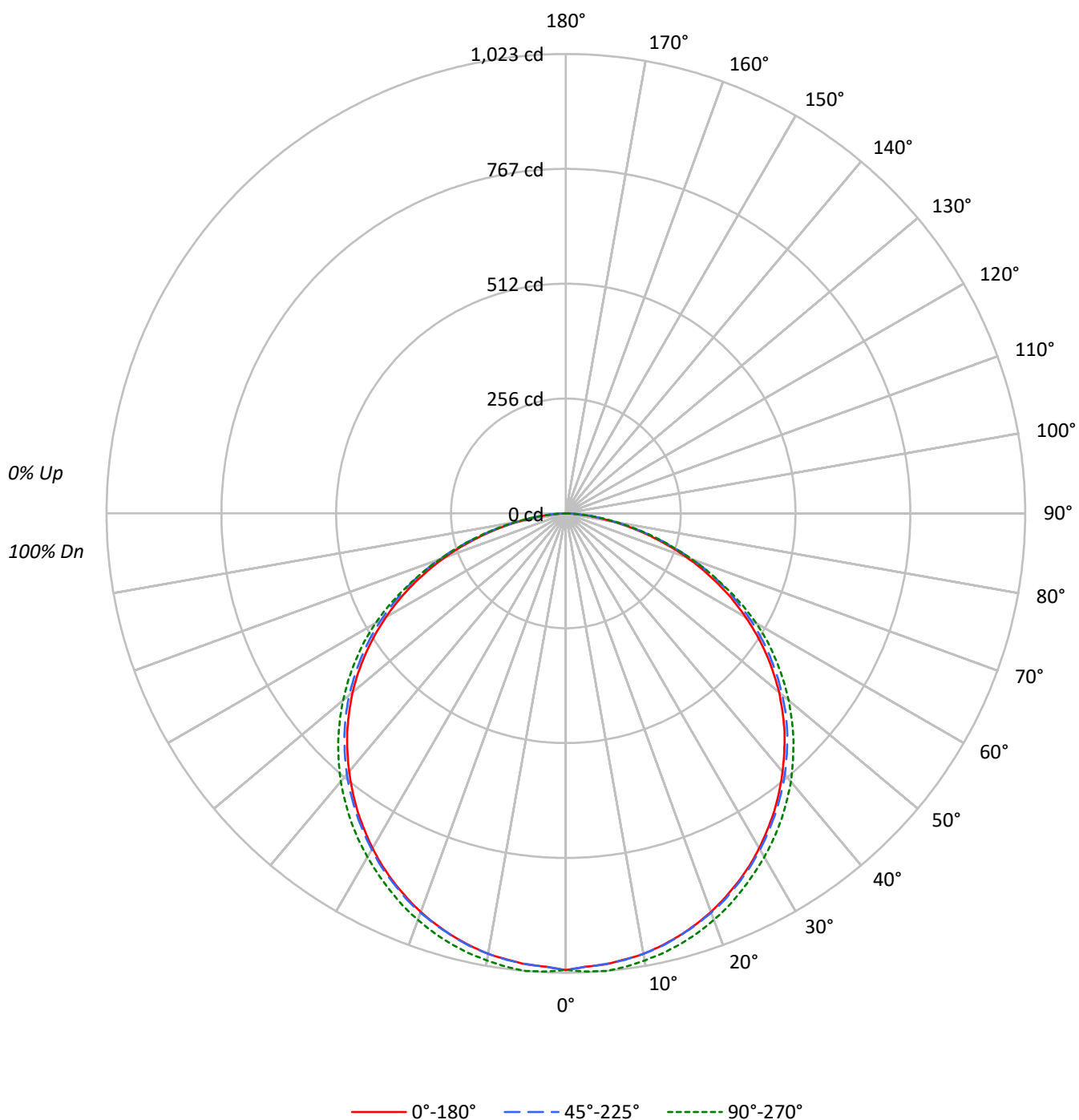
Lumens per Lamp: N/A
Luminaire Lumens: 3001.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3427	3427	3427
5°	3410	3408	3460
10°	3409	3407	3459
15°	3398	3402	3461
20°	3388	3394	3455
25°	3371	3379	3444
30°	3350	3365	3438
35°	3329	3350	3436
40°	3303	3337	3430
45°	3282	3324	3416
50°	3250	3300	3394
55°	3199	3258	3361
60°	3122	3202	3302
65°	3004	3118	3151
70°	2825	2957	2938
75°	2536	2644	2662
80°	2096	2202	2319
85°	1403	1635	1724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	3.2
10°-20°	277.0	9.2
20°-30°	421.9	14.1
30°-40°	513.4	17.1
40°-50°	541.3	18.0
50°-60°	498.5	16.6
60°-70°	385.0	12.8
70°-80°	215.5	7.2
80°-90°	51.9	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°	795.3	26.5
0°-40°	1308.7	43.6
0°-60°	2348.6	78.3
0°-90°	3001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1008	1022	1008	1009	1023	96
15°	974	988	975	981	992	275
25°	907	920	909	915	926	418
35°	809	821	814	824	835	506
45°	689	698	698	708	717	531
55°	544	554	555	566	572	486
65°	377	388	391	395	395	372
75°	195	207	203	203	204	207
85°	36	40	42	47	45	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1016.9	1016.9	1016.9	1016.9	1016.9
2.5°	1010.5	1025.2	1010.5	1012.8	1021.1
5°	1008.2	1022.4	1007.7	1009.1	1022.9
7.5°	1002.2	1016.9	1003.1	1005.0	1018.3
10°	996.3	1009.6	995.8	998.1	1011.0
12.5°	986.1	999.9	987.1	989.8	1002.7
15°	974.2	987.5	975.1	980.6	992.1
17.5°	960.4	973.3	961.3	967.8	978.8
20°	944.8	957.2	946.6	951.2	963.6
22.5°	926.4	939.3	929.2	933.3	946.6
25°	906.6	919.5	908.9	914.9	926.4
27.5°	885.0	897.5	888.3	895.6	905.7
30°	861.1	873.1	864.8	873.6	883.7
32.5°	835.4	848.3	840.0	850.1	860.2
35°	809.2	821.2	814.3	824.4	835.4
37.5°	780.7	792.2	787.2	797.7	807.8
40°	750.9	763.7	758.7	769.7	779.8
42.5°	720.1	732.5	728.3	739.8	748.6
45°	688.8	698.5	697.6	708.1	716.9
47.5°	654.4	666.3	664.5	675.0	682.9
50°	619.9	629.5	629.5	639.7	647.5
52.5°	582.7	592.3	592.3	604.3	610.7
55°	544.5	553.7	554.6	566.1	572.1
57.5°	504.1	513.7	515.6	527.1	532.6
60°	463.2	472.4	475.1	486.6	489.9
62.5°	420.5	431.5	432.9	442.1	443.9
65°	376.8	387.8	391.1	394.7	395.2
67.5°	332.2	343.7	346.9	346.9	346.9
70°	286.7	297.3	300.1	298.2	298.2
72.5°	240.8	252.3	250.9	249.1	250.0
75°	194.8	206.8	203.1	202.7	204.5
77.5°	150.7	162.2	156.2	159.9	160.4
80°	108.0	116.7	113.5	119.0	119.5
82.5°	69.4	74.9	75.8	80.4	79.0
85°	36.3	40.0	42.3	47.3	44.6
87.5°	11.5	15.2	13.8	16.1	12.4
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	16.31	17.97	16.68	18.28	18.60	16.53	18.19	16.90	18.50	18.81
	3H	18.13	19.63	18.51	19.96	20.32	18.33	19.83	18.71	20.15	20.51
	4H	18.78	20.19	19.18	20.54	20.92	18.97	20.38	19.37	20.73	21.10
	6H	19.21	20.52	19.62	20.88	21.27	19.42	20.73	19.83	21.09	21.49
	8H	19.32	20.57	19.74	20.96	21.36	19.55	20.80	19.98	21.19	21.59
	12H	19.37	20.57	19.80	20.95	21.38	19.63	20.83	20.06	21.21	21.64
4H	2H	16.99	18.40	17.39	18.75	19.13	17.16	18.58	17.56	18.92	19.30
	3H	19.03	20.22	19.44	20.62	21.02	19.18	20.36	19.59	20.76	21.16
	4H	19.81	20.89	20.24	21.30	21.73	19.93	21.01	20.37	21.42	21.86
	6H	20.36	21.30	20.82	21.74	22.20	20.51	21.45	20.96	21.89	22.34
	8H	20.51	21.39	20.97	21.83	22.29	20.68	21.56	21.14	22.00	22.47
	12H	20.59	21.38	21.07	21.86	22.32	20.80	21.59	21.28	22.06	22.53
8H	4H	20.12	21.00	20.58	21.44	21.90	20.23	21.11	20.69	21.55	22.01
	6H	20.78	21.51	21.27	22.00	22.47	20.91	21.64	21.40	22.13	22.60
	8H	20.99	21.64	21.49	22.14	22.63	21.15	21.80	21.66	22.31	22.79
	12H	21.12	21.70	21.63	22.19	22.75	21.33	21.90	21.83	22.39	22.95
12H	4H	20.15	20.94	20.63	21.42	21.88	20.26	21.05	20.74	21.52	21.99
	6H	20.83	21.48	21.33	21.99	22.47	20.95	21.61	21.46	22.11	22.60
	8H	21.08	21.66	21.59	22.15	22.71	21.24	21.82	21.75	22.31	22.87