

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: P1585632

Luminaire Tested: 14CZSP-SB-35-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585632
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-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

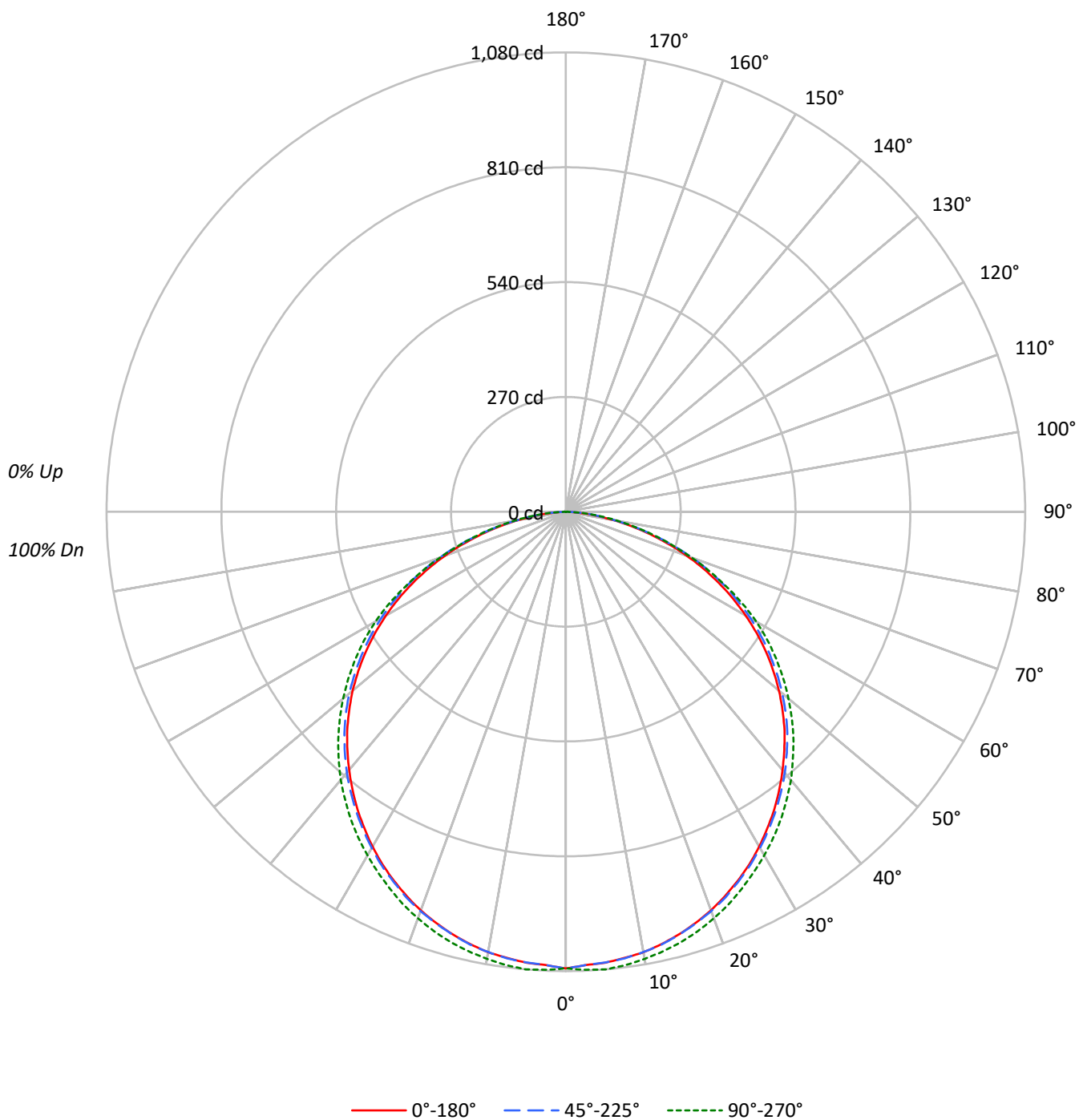
Lumens per Lamp: N/A
Luminaire Lumens: 3168.0 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3617	3617	3617
5°	3600	3598	3652
10°	3598	3597	3651
15°	3588	3591	3653
20°	3577	3583	3648
25°	3558	3567	3636
30°	3537	3552	3629
35°	3514	3536	3628
40°	3486	3523	3621
45°	3465	3509	3606
50°	3430	3484	3583
55°	3377	3440	3548
60°	3295	3380	3485
65°	3172	3291	3326
70°	2982	3121	3101
75°	2678	2791	2811
80°	2212	2325	2447
85°	1481	1724	1821

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	3.2
10°-20°	292.5	9.2
20°-30°	445.4	14.1
30°-40°	542.0	17.1
40°-50°	571.4	18.0
50°-60°	526.3	16.6
60°-70°	406.5	12.8
70°-80°	227.4	7.2
80°-90°	54.8	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°	839.6	26.5
0°-40°	1381.6	43.6
0°-60°	2479.3	78.3
0°-90°	3168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1064	1079	1064	1065	1080	101
15°	1028	1042	1029	1035	1047	290
25°	957	971	960	966	978	441
35°	854	867	860	870	882	534
45°	727	737	736	748	757	560
55°	575	584	586	598	604	513
65°	398	409	413	417	417	393
75°	206	218	214	214	216	218
85°	38	42	45	50	47	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1073.5	1073.5	1073.5	1073.5	1073.5
2.5°	1066.7	1082.3	1066.7	1069.2	1077.9
5°	1064.3	1079.3	1063.8	1065.3	1079.8
7.5°	1058.0	1073.5	1059.0	1060.9	1075.0
10°	1051.7	1065.8	1051.2	1053.6	1067.2
12.5°	1041.0	1055.6	1042.0	1044.9	1058.5
15°	1028.4	1042.5	1029.4	1035.2	1047.3
17.5°	1013.9	1027.4	1014.8	1021.6	1033.3
20°	997.4	1010.5	999.3	1004.2	1017.2
22.5°	978.0	991.5	980.9	985.2	999.3
25°	957.1	970.7	959.5	965.8	978.0
27.5°	934.3	947.4	937.7	945.5	956.1
30°	909.1	921.7	913.0	922.2	932.8
32.5°	881.9	895.5	886.8	897.4	908.1
35°	854.3	866.9	859.6	870.3	881.9
37.5°	824.2	836.3	831.0	842.1	852.8
40°	792.6	806.2	800.9	812.5	823.2
42.5°	760.1	773.2	768.9	781.0	790.2
45°	727.2	737.3	736.4	747.5	756.8
47.5°	690.8	703.4	701.4	712.6	720.9
50°	654.4	664.6	664.6	675.3	683.5
52.5°	615.1	625.3	625.3	637.9	644.7
55°	574.8	584.5	585.5	597.6	603.9
57.5°	532.2	542.3	544.3	556.4	562.2
60°	489.0	498.7	501.6	513.7	517.1
62.5°	443.9	455.5	457.0	466.7	468.6
65°	397.8	409.4	412.8	416.7	417.2
67.5°	350.7	362.9	366.2	366.2	366.2
70°	302.7	313.9	316.8	314.8	314.8
72.5°	254.2	266.3	264.9	262.9	263.9
75°	205.7	218.3	214.4	213.9	215.9
77.5°	159.1	171.2	164.9	168.8	169.3
80°	114.0	123.2	119.8	125.6	126.1
82.5°	73.2	79.1	80.0	84.9	83.4
85°	38.3	42.2	44.6	50.0	47.1
87.5°	12.1	16.0	14.6	17.0	13.1
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	16.50	18.16	16.87	18.47	18.79	16.72	18.37	17.08	18.69	19.00
	3H	18.32	19.82	18.70	20.15	20.51	18.52	20.02	18.89	20.34	20.70
	4H	18.97	20.38	19.37	20.73	21.10	19.16	20.57	19.55	20.92	21.29
	6H	19.40	20.71	19.81	21.07	21.46	19.61	20.92	20.02	21.28	21.67
	8H	19.51	20.76	19.93	21.15	21.54	19.74	20.99	20.16	21.38	21.78
	12H	19.56	20.76	19.99	21.14	21.57	19.82	21.02	20.25	21.40	21.83
4H	2H	17.18	18.59	17.58	18.94	19.32	17.35	18.76	17.75	19.11	19.49
	3H	19.22	20.41	19.63	20.80	21.20	19.36	20.55	19.77	20.95	21.35
	4H	20.00	21.07	20.43	21.49	21.92	20.12	21.19	20.55	21.61	22.04
	6H	20.55	21.49	21.00	21.93	22.38	20.70	21.63	21.15	22.07	22.53
	8H	20.70	21.57	21.16	22.02	22.48	20.87	21.75	21.33	22.19	22.65
	12H	20.78	21.57	21.26	22.04	22.51	20.98	21.77	21.46	22.25	22.72
8H	4H	20.31	21.19	20.77	21.63	22.09	20.42	21.29	20.88	21.74	22.20
	6H	20.97	21.70	21.46	22.18	22.66	21.10	21.83	21.59	22.31	22.79
	8H	21.17	21.83	21.68	22.33	22.82	21.34	21.99	21.85	22.50	22.98
	12H	21.31	21.89	21.81	22.38	22.94	21.51	22.09	22.02	22.58	23.14
12H	4H	20.34	21.13	20.82	21.60	22.07	20.45	21.23	20.92	21.71	22.18
	6H	21.01	21.67	21.52	22.17	22.66	21.14	21.80	21.65	22.30	22.79
	8H	21.27	21.85	21.78	22.34	22.90	21.43	22.01	21.94	22.50	23.06

END OF REPORT