

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: P1585654

Luminaire Tested: 14CZSP-SB-37HE-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585654
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-37HE-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

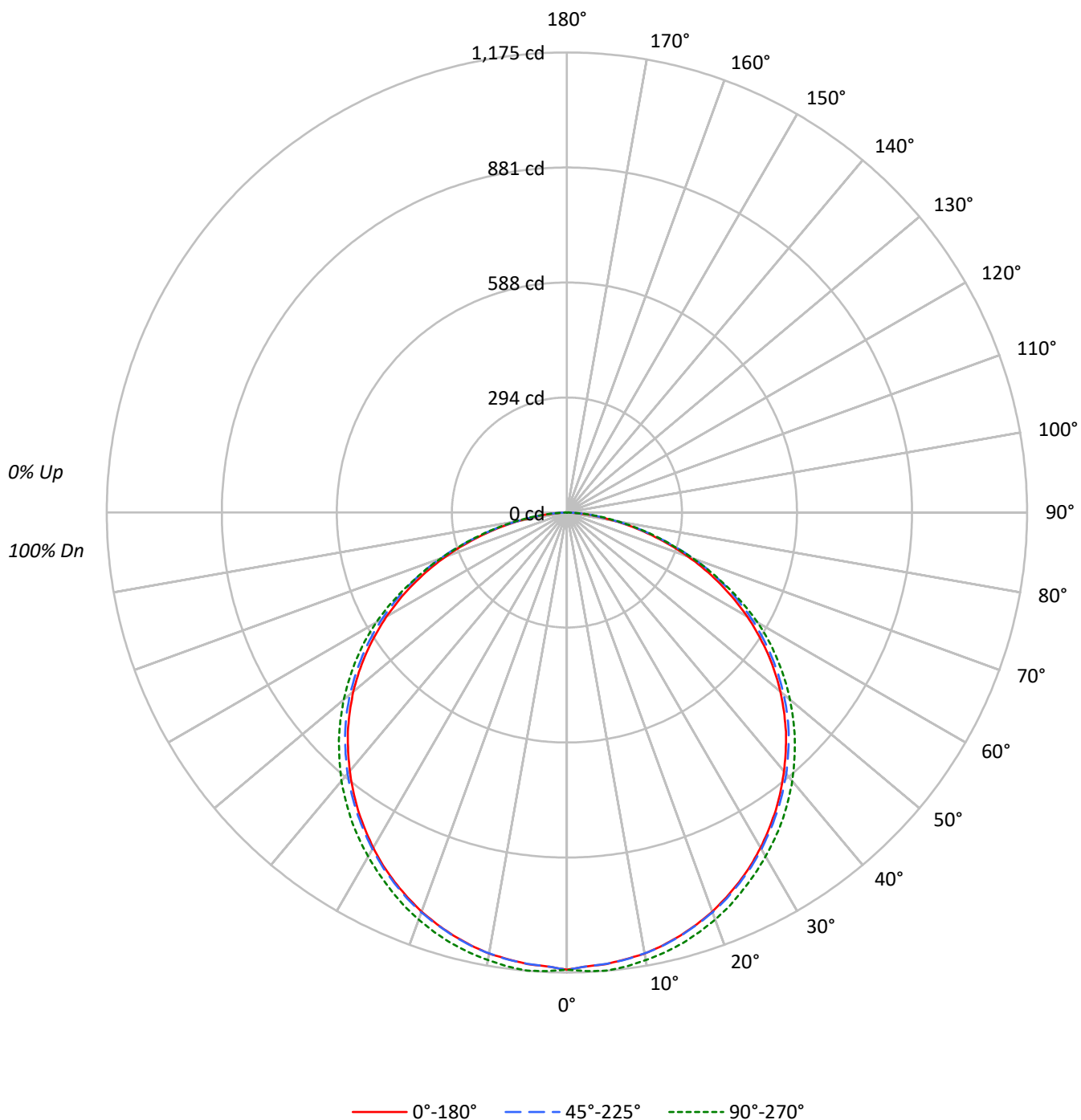
Lumens per Lamp: N/A
Luminaire Lumens: 3446.0 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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°	3935	3935	3935
5°	3916	3914	3973
10°	3914	3913	3972
15°	3902	3906	3974
20°	3890	3898	3968
25°	3871	3880	3955
30°	3847	3864	3948
35°	3822	3846	3946
40°	3793	3832	3939
45°	3769	3817	3923
50°	3731	3790	3898
55°	3673	3742	3859
60°	3585	3677	3791
65°	3450	3580	3618
70°	3244	3395	3374
75°	2912	3036	3057
80°	2406	2528	2662
85°	1612	1875	1979

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3923 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.2
10°-20°	318.1	9.2
20°-30°	484.4	14.1
30°-40°	589.6	17.1
40°-50°	621.5	18.0
50°-60°	572.5	16.6
60°-70°	442.1	12.8
70°-80°	247.4	7.2
80°-90°	59.6	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°	913.2	26.5
0°-40°	1502.8	43.6
0°-60°	2696.8	78.3
0°-90°	3446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1158	1174	1157	1159	1175	110
15°	1119	1134	1120	1126	1139	316
25°	1041	1056	1044	1051	1064	480
35°	929	943	935	947	959	581
45°	791	802	801	813	823	610
55°	625	636	637	650	657	558
65°	433	445	449	453	454	427
75°	224	237	233	233	235	237
85°	42	46	48	54	51	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1167.7	1167.7	1167.7	1167.7	1167.7
2.5°	1160.3	1177.2	1160.3	1163.0	1172.5
5°	1157.7	1174.1	1157.2	1158.8	1174.6
7.5°	1150.8	1167.7	1151.9	1154.0	1169.3
10°	1144.0	1159.3	1143.5	1146.1	1160.9
12.5°	1132.4	1148.2	1133.4	1136.6	1151.4
15°	1118.6	1134.0	1119.7	1126.0	1139.2
17.5°	1102.8	1117.6	1103.9	1111.3	1123.9
20°	1084.9	1099.1	1087.0	1092.3	1106.5
22.5°	1063.8	1078.5	1066.9	1071.7	1087.0
25°	1041.1	1055.9	1043.7	1050.6	1063.8
27.5°	1016.3	1030.5	1020.0	1028.4	1040.0
30°	988.8	1002.6	993.1	1003.1	1014.7
32.5°	959.3	974.1	964.6	976.2	987.8
35°	929.2	942.9	935.0	946.6	959.3
37.5°	896.5	909.7	903.9	916.0	927.6
40°	862.2	877.0	871.2	883.8	895.4
42.5°	826.9	841.1	836.3	849.5	859.6
45°	791.0	802.1	801.0	813.1	823.2
47.5°	751.4	765.1	763.0	775.1	784.1
50°	711.8	722.9	722.9	734.5	743.5
52.5°	669.1	680.2	680.2	693.9	701.3
55°	625.3	635.8	636.9	650.1	656.9
57.5°	578.8	589.9	592.0	605.2	611.6
60°	531.9	542.4	545.6	558.8	562.5
62.5°	482.8	495.5	497.1	507.6	509.7
65°	432.7	445.3	449.0	453.3	453.8
67.5°	381.5	394.7	398.4	398.4	398.4
70°	329.3	341.4	344.6	342.5	342.5
72.5°	276.5	289.7	288.1	286.0	287.0
75°	223.7	237.4	233.2	232.7	234.8
77.5°	173.1	186.3	179.4	183.6	184.2
80°	124.0	134.0	130.3	136.7	137.2
82.5°	79.7	86.0	87.1	92.3	90.8
85°	41.7	45.9	48.5	54.3	51.2
87.5°	13.2	17.4	15.8	18.5	14.2
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	16.79	18.45	17.16	18.76	19.08	17.01	18.67	17.38	18.98	19.29
	3H	18.62	20.11	18.99	20.44	20.80	18.81	20.31	19.19	20.64	20.99
	4H	19.26	20.67	19.66	21.02	21.40	19.45	20.86	19.85	21.21	21.58
	6H	19.69	21.00	20.10	21.36	21.75	19.90	21.21	20.31	21.58	21.97
	8H	19.80	21.05	20.22	21.44	21.84	20.03	21.28	20.46	21.67	22.07
	12H	19.85	21.05	20.28	21.43	21.86	20.11	21.31	20.54	21.69	22.12
4H	2H	17.47	18.89	17.87	19.23	19.61	17.64	19.05	18.04	19.40	19.78
	3H	19.51	20.70	19.92	21.10	21.50	19.66	20.84	20.07	21.24	21.64
	4H	20.29	21.37	20.72	21.78	22.21	20.41	21.49	20.85	21.90	22.34
	6H	20.84	21.78	21.30	22.22	22.68	20.99	21.93	21.44	22.37	22.82
	8H	20.99	21.87	21.45	22.31	22.77	21.16	22.04	21.62	22.48	22.95
	12H	21.07	21.86	21.55	22.34	22.81	21.28	22.07	21.76	22.54	23.01
8H	4H	20.60	21.48	21.06	21.92	22.38	20.71	21.59	21.17	22.03	22.49
	6H	21.26	21.99	21.75	22.48	22.95	21.39	22.12	21.88	22.61	23.08
	8H	21.47	22.12	21.97	22.63	23.11	21.63	22.28	22.14	22.79	23.27
	12H	21.60	22.18	22.11	22.67	23.23	21.81	22.38	22.31	22.87	23.43
12H	4H	20.63	21.42	21.11	21.90	22.36	20.74	21.53	21.22	22.00	22.47
	6H	21.31	21.96	21.81	22.47	22.95	21.43	22.09	21.94	22.59	23.08
	8H	21.56	22.14	22.07	22.63	23.19	21.72	22.30	22.23	22.79	23.35