

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: P1585655

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585655
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-37HE-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

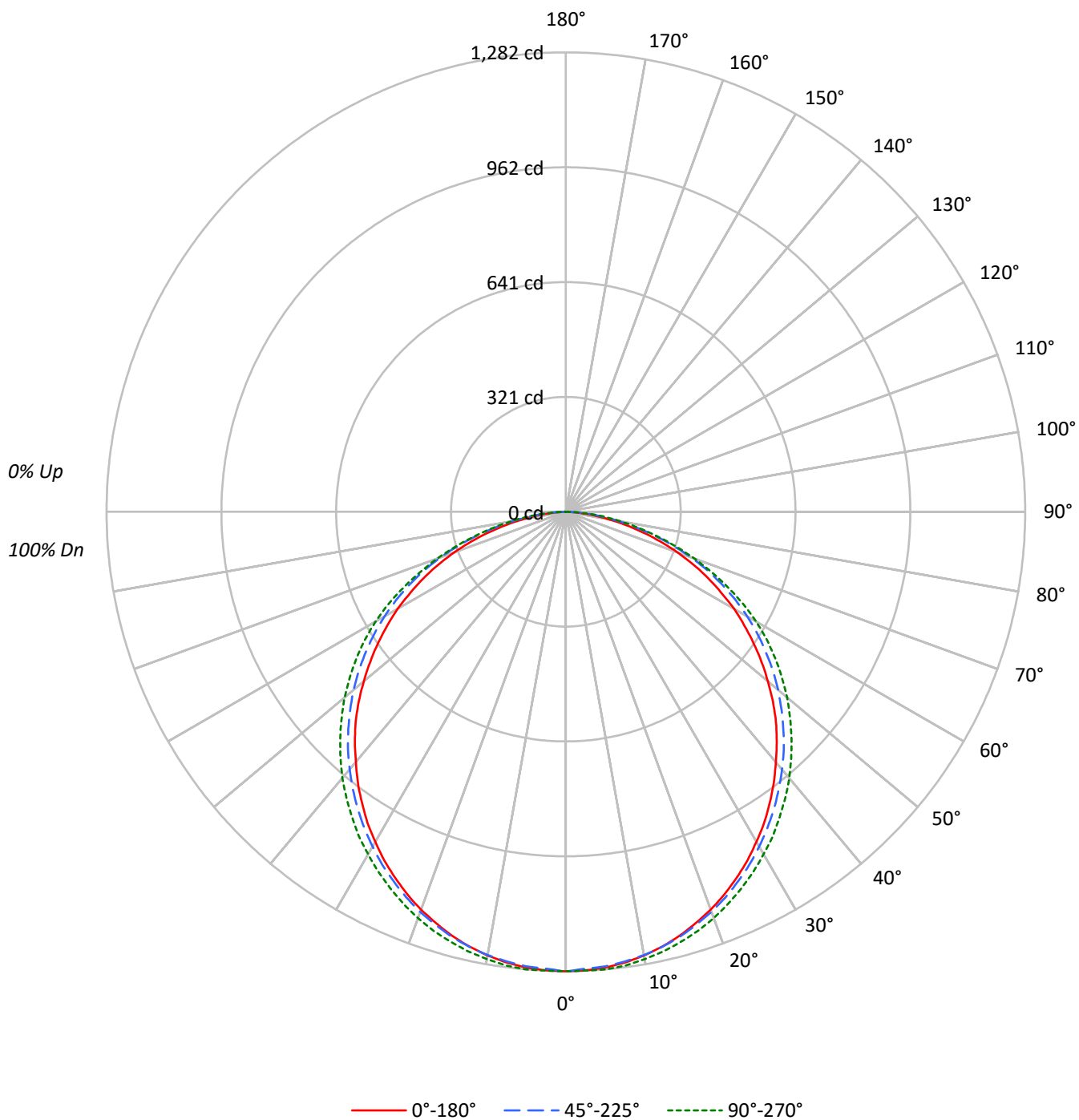
Lumens per Lamp: N/A
Luminaire Lumens: 3705.0 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	4321	4321	4321
5°	4318	4307	4336
10°	4302	4299	4337
15°	4275	4284	4334
20°	4237	4262	4327
25°	4191	4230	4310
30°	4138	4199	4294
35°	4081	4165	4279
40°	4009	4129	4268
45°	3952	4092	4244
50°	3858	4054	4225
55°	3759	4001	4192
60°	3658	3942	4136
65°	3494	3838	3979
70°	3260	3665	3755
75°	2905	3321	3419
80°	2371	2880	3023
85°	1570	2289	2455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	3.3
10°-20°	347.9	9.4
20°-30°	526.8	14.2
30°-40°	635.8	17.2
40°-50°	664.0	17.9
50°-60°	607.4	16.4
60°-70°	469.6	12.7
70°-80°	265.9	7.2
80°-90°	66.0	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°	996.2	26.9
0°-40°	1632.0	44.0
0°-60°	2903.5	78.4
0°-90°	3705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1277	1286	1273	1274	1282	121
15°	1225	1236	1228	1234	1242	346
25°	1127	1142	1138	1148	1159	519
35°	992	1006	1012	1030	1040	621
45°	829	845	859	881	891	639
55°	640	659	681	702	714	572
65°	438	456	481	496	499	432
75°	223	242	255	262	263	237
85°	41	47	59	62	64	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.5	1282.5	1282.5	1282.5	1282.5
2.5°	1280.9	1289.9	1276.1	1278.7	1281.4
5°	1276.6	1285.7	1273.4	1274.5	1281.9
7.5°	1268.6	1278.7	1265.9	1268.0	1277.1
10°	1257.4	1267.5	1256.3	1258.4	1267.5
12.5°	1243.0	1253.1	1243.5	1246.7	1256.8
15°	1225.4	1236.0	1228.0	1233.9	1242.4
17.5°	1204.0	1217.3	1208.8	1217.9	1226.4
20°	1181.6	1194.9	1188.5	1196.5	1206.7
22.5°	1156.0	1169.3	1164.5	1173.1	1184.3
25°	1127.2	1141.6	1137.8	1148.5	1159.2
27.5°	1097.3	1111.1	1110.1	1121.8	1133.0
30°	1063.6	1078.6	1079.1	1093.0	1103.7
32.5°	1030.0	1043.4	1046.6	1062.0	1074.3
35°	992.1	1006.0	1012.4	1029.5	1040.2
37.5°	953.7	969.2	976.1	994.8	1006.0
40°	911.5	929.2	938.8	958.5	970.2
42.5°	871.5	887.5	900.3	920.1	930.8
45°	829.4	845.4	858.7	880.6	890.7
47.5°	784.0	801.6	816.0	837.4	848.6
50°	736.0	755.2	773.3	794.1	805.9
52.5°	688.5	707.1	728.0	748.2	760.0
55°	639.9	659.1	681.0	702.3	713.5
57.5°	590.8	610.0	634.0	653.2	665.0
60°	542.8	560.4	584.9	604.1	613.7
62.5°	488.3	508.6	533.7	552.9	558.2
65°	438.2	456.3	481.4	495.8	499.0
67.5°	384.8	402.9	428.0	436.0	440.8
70°	330.9	350.1	372.0	377.3	381.1
72.5°	276.5	296.2	313.3	318.6	321.8
75°	223.1	242.3	255.1	261.5	262.6
77.5°	171.3	188.9	200.7	208.1	208.1
80°	122.2	135.6	148.4	156.4	155.8
82.5°	77.9	88.1	101.4	107.3	111.0
85°	40.6	47.0	59.2	61.9	63.5
87.5°	12.8	16.5	21.3	17.6	17.1
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	16.76	18.42	17.13	18.73	19.04	17.31	18.96	17.67	19.27	19.58
	3H	18.54	20.03	18.91	20.36	20.72	19.17	20.66	19.54	20.99	21.35
	4H	19.16	20.57	19.56	20.92	21.29	19.84	21.25	20.24	21.59	21.97
	6H	19.57	20.87	19.98	21.24	21.63	20.32	21.63	20.73	21.99	22.38
	8H	19.67	20.91	20.09	21.30	21.70	20.48	21.73	20.90	22.12	22.51
	12H	19.72	20.91	20.14	21.29	21.72	20.58	21.77	21.01	22.15	22.58
4H	2H	17.50	18.91	17.90	19.26	19.63	17.93	19.33	18.32	19.68	20.06
	3H	19.50	20.68	19.91	21.07	21.47	20.00	21.19	20.41	21.58	21.98
	4H	20.25	21.31	20.68	21.73	22.16	20.80	21.87	21.24	22.29	22.72
	6H	20.76	21.70	21.22	22.14	22.59	21.42	22.35	21.87	22.79	23.25
	8H	20.90	21.77	21.36	22.22	22.68	21.62	22.50	22.08	22.94	23.40
	12H	20.98	21.76	21.46	22.24	22.71	21.76	22.55	22.24	23.02	23.49
8H	4H	20.60	21.48	21.06	21.92	22.38	21.09	21.97	21.55	22.41	22.88
	6H	21.23	21.96	21.73	22.45	22.92	21.83	22.55	22.32	23.04	23.52
	8H	21.43	22.08	21.94	22.59	23.07	22.10	22.75	22.61	23.26	23.74
	12H	21.55	22.13	22.06	22.62	23.18	22.31	22.88	22.81	23.37	23.93
12H	4H	20.64	21.43	21.12	21.90	22.37	21.12	21.91	21.60	22.38	22.85
	6H	21.30	21.95	21.81	22.46	22.94	21.87	22.52	22.38	23.03	23.51
	8H	21.55	22.12	22.05	22.61	23.17	22.20	22.77	22.70	23.26	23.82