

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: P1585657

Luminaire Tested: 14CZSP-SB-37HE-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585657
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-L840
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

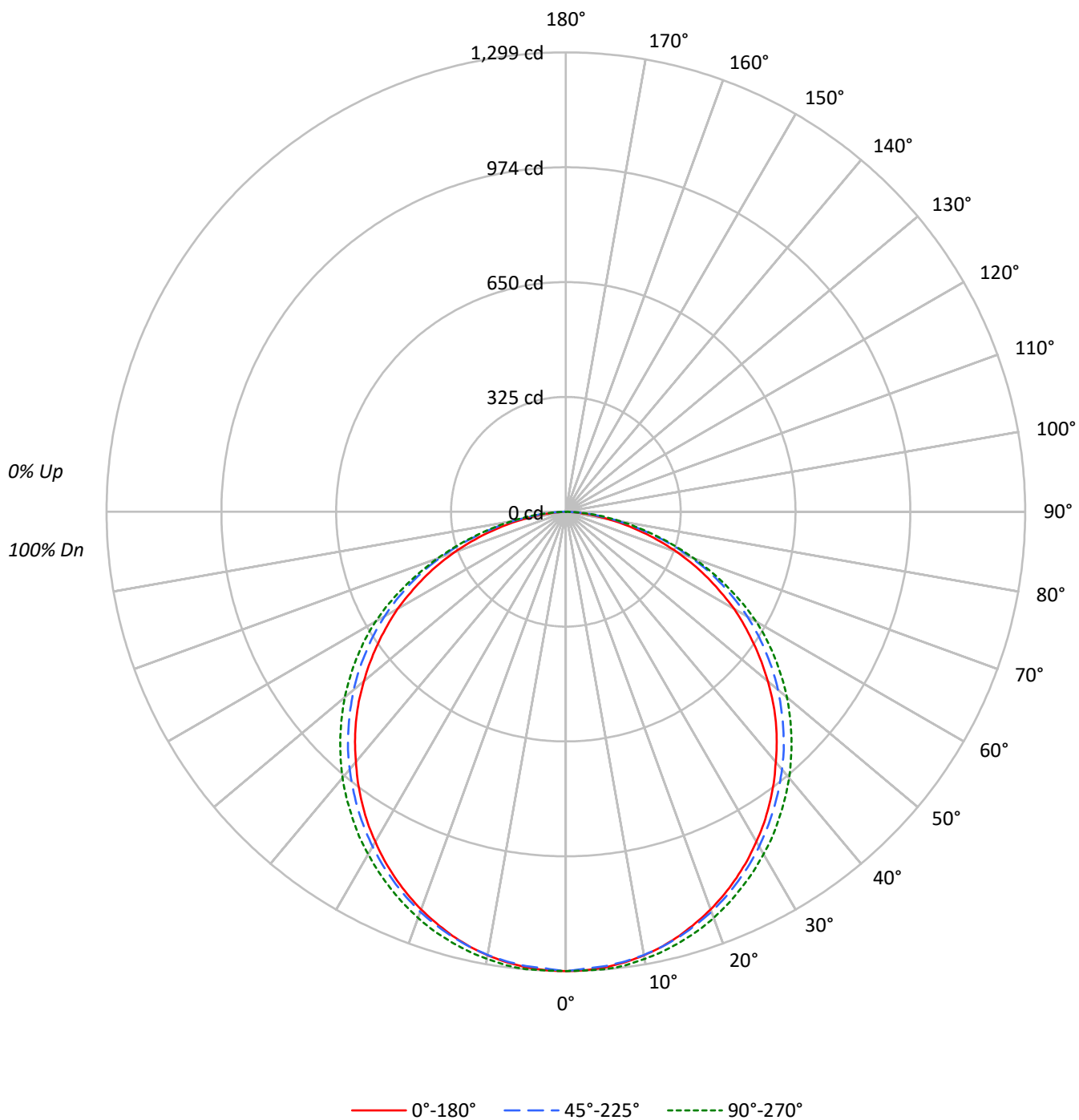
Lumens per Lamp: N/A
Luminaire Lumens: 3753.0 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			
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°	4377	4377	4377
5°	4374	4363	4392
10°	4358	4354	4393
15°	4330	4339	4390
20°	4292	4317	4383
25°	4245	4285	4366
30°	4192	4253	4350
35°	4134	4218	4334
40°	4062	4183	4323
45°	4003	4145	4300
50°	3908	4106	4279
55°	3808	4052	4246
60°	3705	3993	4190
65°	3538	3888	4030
70°	3302	3712	3803
75°	2942	3364	3463
80°	2402	2917	3064
85°	1589	2320	2486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	3.3
10°-20°	352.4	9.4
20°-30°	533.6	14.2
30°-40°	644.1	17.2
40°-50°	672.6	17.9
50°-60°	615.3	16.4
60°-70°	475.7	12.7
70°-80°	269.3	7.2
80°-90°	66.9	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°	1009.1	26.9
0°-40°	1653.2	44.0
0°-60°	2941.1	78.4
0°-90°	3753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3753.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1293	1302	1290	1291	1298	123
15°	1241	1252	1244	1250	1258	350
25°	1142	1156	1153	1163	1174	526
35°	1005	1019	1026	1043	1054	629
45°	840	856	870	892	902	647
55°	648	668	690	711	723	580
65°	444	462	488	502	506	438
75°	226	245	258	265	266	240
85°	41	48	60	63	64	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.1	1299.1	1299.1	1299.1	1299.1
2.5°	1297.5	1306.6	1292.6	1295.3	1298.0
5°	1293.1	1302.3	1289.9	1291.0	1298.5
7.5°	1285.0	1295.3	1282.3	1284.5	1293.7
10°	1273.7	1283.9	1272.6	1274.7	1283.9
12.5°	1259.1	1269.3	1259.6	1262.9	1273.1
15°	1241.2	1252.0	1243.9	1249.9	1258.5
17.5°	1219.6	1233.1	1224.5	1233.7	1242.3
20°	1196.9	1210.4	1203.9	1212.0	1222.3
22.5°	1170.9	1184.5	1179.6	1188.2	1199.6
25°	1141.8	1156.4	1152.6	1163.4	1174.2
27.5°	1111.5	1125.5	1124.5	1136.4	1147.7
30°	1077.4	1092.6	1093.1	1107.2	1118.0
32.5°	1043.4	1056.9	1060.1	1075.8	1088.2
35°	1005.0	1019.0	1025.5	1042.8	1053.6
37.5°	966.1	981.7	988.8	1007.7	1019.0
40°	923.4	941.2	950.9	970.9	982.8
42.5°	882.8	899.0	912.0	932.0	942.8
45°	840.1	856.3	869.8	892.0	902.3
47.5°	794.1	812.0	826.6	848.2	859.6
50°	745.5	765.0	783.3	804.4	816.3
52.5°	697.4	716.3	737.4	757.9	769.8
55°	648.2	667.6	689.8	711.4	722.8
57.5°	598.4	617.9	642.2	661.7	673.6
60°	549.8	567.6	592.5	612.0	621.7
62.5°	494.7	515.2	540.6	560.1	565.5
65°	443.8	462.2	487.6	502.2	505.5
67.5°	389.8	408.2	433.6	441.7	446.5
70°	335.2	354.6	376.8	382.2	386.0
72.5°	280.0	300.0	317.3	322.7	326.0
75°	226.0	245.4	258.4	264.9	266.0
77.5°	173.5	191.4	203.3	210.8	210.8
80°	123.8	137.3	150.3	158.4	157.9
82.5°	78.9	89.2	102.7	108.7	112.4
85°	41.1	47.6	60.0	62.7	64.3
87.5°	13.0	16.8	21.6	17.8	17.3
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	16.81	18.46	17.17	18.77	19.09	17.35	19.00	17.72	19.32	19.63
	3H	18.58	20.08	18.96	20.40	20.76	19.21	20.70	19.59	21.03	21.39
	4H	19.21	20.61	19.60	20.96	21.34	19.88	21.29	20.28	21.64	22.01
	6H	19.61	20.92	20.02	21.28	21.67	20.37	21.67	20.78	22.04	22.43
	8H	19.71	20.96	20.14	21.35	21.75	20.52	21.77	20.95	22.16	22.56
	12H	19.76	20.96	20.19	21.34	21.77	20.62	21.82	21.05	22.20	22.63
4H	2H	17.55	18.96	17.95	19.30	19.68	17.97	19.38	18.37	19.73	20.10
	3H	19.54	20.72	19.95	21.12	21.52	20.05	21.23	20.46	21.63	22.03
	4H	20.29	21.36	20.72	21.77	22.21	20.85	21.92	21.28	22.33	22.77
	6H	20.81	21.74	21.26	22.18	22.64	21.46	22.40	21.92	22.84	23.29
	8H	20.94	21.82	21.40	22.26	22.73	21.67	22.54	22.13	22.98	23.45
	12H	21.02	21.81	21.50	22.28	22.75	21.81	22.59	22.29	23.07	23.54
8H	4H	20.64	21.52	21.10	21.96	22.43	21.14	22.01	21.60	22.46	22.92
	6H	21.28	22.01	21.77	22.49	22.97	21.87	22.60	22.36	23.09	23.56
	8H	21.47	22.12	21.98	22.63	23.11	22.15	22.80	22.65	23.30	23.79
	12H	21.60	22.17	22.10	22.66	23.22	22.35	22.93	22.86	23.42	23.98
12H	4H	20.69	21.47	21.17	21.95	22.42	21.16	21.95	21.64	22.43	22.89
	6H	21.34	22.00	21.85	22.50	22.99	21.91	22.57	22.42	23.07	23.56
	8H	21.59	22.17	22.10	22.66	23.22	22.24	22.82	22.75	23.31	23.87