

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: P1585703

Luminaire Tested: 14CZSP-SB-43HE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585703
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-43HE-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

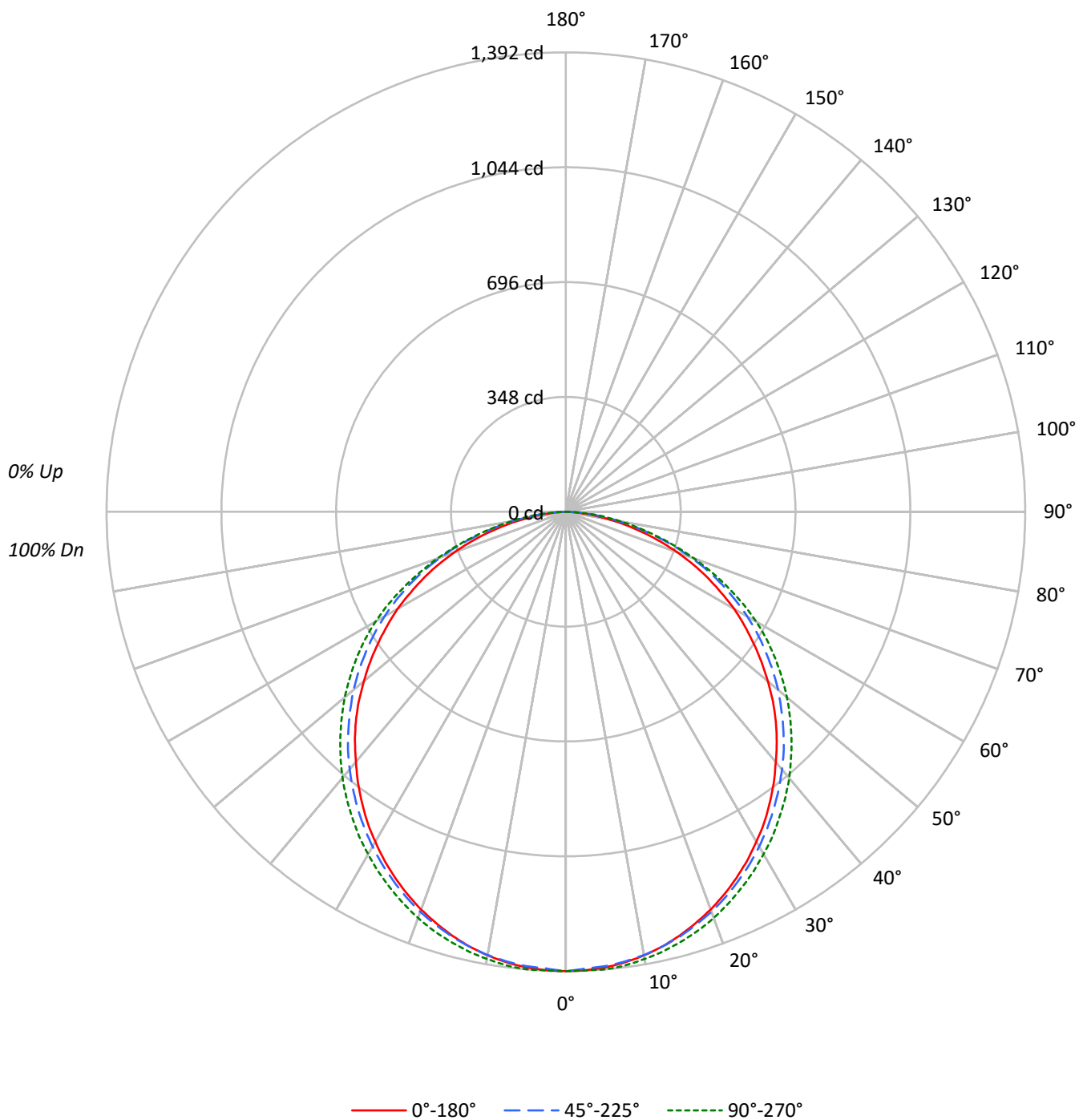
Lumens per Lamp: N/A
Luminaire Lumens: 4022.0 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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°	4691	4691	4691
5°	4687	4676	4707
10°	4670	4666	4708
15°	4640	4650	4705
20°	4600	4626	4697
25°	4549	4592	4679
30°	4492	4558	4662
35°	4430	4521	4645
40°	4352	4483	4633
45°	4290	4442	4608
50°	4188	4401	4586
55°	4081	4343	4551
60°	3971	4279	4490
65°	3792	4167	4319
70°	3539	3978	4076
75°	3153	3605	3710
80°	2575	3126	3283
85°	1701	2486	2664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4608 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	3.3
10°-20°	377.7	9.4
20°-30°	571.8	14.2
30°-40°	690.2	17.2
40°-50°	720.8	17.9
50°-60°	659.4	16.4
60°-70°	509.8	12.7
70°-80°	288.6	7.2
80°-90°	71.7	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°	1081.4	26.9
0°-40°	1771.7	44.0
0°-60°	3151.9	78.4
0°-90°	4022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4022.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1386	1396	1382	1384	1392	132
15°	1330	1342	1333	1340	1349	375
25°	1224	1239	1235	1247	1258	564
35°	1077	1092	1099	1118	1129	674
45°	900	918	932	956	967	693
55°	695	716	739	762	775	621
65°	476	495	523	538	542	469
75°	242	263	277	284	285	257
85°	44	51	64	67	69	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1392.2	1392.2	1392.2	1392.2	1392.2
2.5°	1390.4	1400.3	1385.2	1388.1	1391.0
5°	1385.8	1395.7	1382.3	1383.5	1391.6
7.5°	1377.1	1388.1	1374.2	1376.5	1386.4
10°	1365.0	1376.0	1363.8	1366.1	1376.0
12.5°	1349.3	1360.3	1349.9	1353.4	1364.4
15°	1330.2	1341.8	1333.1	1339.5	1348.7
17.5°	1307.0	1321.5	1312.2	1322.1	1331.4
20°	1282.7	1297.2	1290.2	1298.9	1309.9
22.5°	1254.9	1269.4	1264.1	1273.4	1285.6
25°	1223.6	1239.2	1235.2	1246.8	1258.4
27.5°	1191.1	1206.2	1205.1	1217.8	1230.0
30°	1154.6	1170.9	1171.5	1186.5	1198.1
32.5°	1118.2	1132.6	1136.1	1152.9	1166.2
35°	1077.0	1092.1	1099.0	1117.6	1129.2
37.5°	1035.3	1052.1	1059.6	1079.9	1092.1
40°	989.5	1008.7	1019.1	1040.5	1053.3
42.5°	946.1	963.5	977.4	998.8	1010.4
45°	900.3	917.7	932.2	955.9	966.9
47.5°	851.1	870.2	885.8	909.0	921.2
50°	798.9	819.8	839.5	862.1	874.8
52.5°	747.4	767.6	790.2	812.3	825.0
55°	694.6	715.5	739.3	762.4	774.6
57.5°	641.3	662.2	688.3	709.1	721.9
60°	589.2	608.3	635.0	655.8	666.3
62.5°	530.1	552.1	579.4	600.2	606.0
65°	475.6	495.3	522.6	538.2	541.7
67.5°	417.7	437.4	464.6	473.3	478.5
70°	359.2	380.1	403.8	409.6	413.7
72.5°	300.1	321.5	340.1	345.9	349.3
75°	242.2	263.0	276.9	283.9	285.0
77.5°	186.0	205.1	217.8	225.9	225.9
80°	132.7	147.2	161.1	169.8	169.2
82.5°	84.6	95.6	110.1	116.4	120.5
85°	44.0	51.0	64.3	67.2	68.9
87.5°	13.9	18.0	23.2	19.1	18.5
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	17.05	18.70	17.41	19.01	19.33	17.59	19.24	17.96	19.56	19.87
	3H	18.82	20.32	19.20	20.64	21.00	19.45	20.95	19.83	21.27	21.63
	4H	19.45	20.85	19.84	21.20	21.58	20.12	21.53	20.52	21.88	22.25
	6H	19.85	21.16	20.26	21.52	21.91	20.61	21.91	21.02	22.28	22.67
	8H	19.95	21.20	20.38	21.59	21.99	20.76	22.01	21.19	22.40	22.80
	12H	20.00	21.20	20.43	21.58	22.01	20.86	22.06	21.29	22.44	22.87
4H	2H	17.79	19.20	18.19	19.54	19.92	18.21	19.62	18.61	19.97	20.34
	3H	19.78	20.96	20.19	21.36	21.76	20.29	21.47	20.70	21.87	22.27
	4H	20.53	21.60	20.96	22.01	22.45	21.09	22.16	21.52	22.57	23.01
	6H	21.05	21.98	21.50	22.42	22.88	21.70	22.64	22.16	23.08	23.53
	8H	21.19	22.06	21.64	22.50	22.97	21.91	22.78	22.37	23.23	23.69
	12H	21.26	22.05	21.74	22.52	22.99	22.05	22.83	22.53	23.31	23.78
8H	4H	20.89	21.76	21.34	22.20	22.67	21.38	22.25	21.84	22.70	23.16
	6H	21.52	22.25	22.01	22.73	23.21	22.11	22.84	22.61	23.33	23.80
	8H	21.71	22.36	22.22	22.87	23.36	22.39	23.04	22.89	23.54	24.03
	12H	21.84	22.41	22.34	22.90	23.46	22.59	23.17	23.10	23.66	24.22
12H	4H	20.93	21.71	21.41	22.19	22.66	21.40	22.19	21.88	22.67	23.13
	6H	21.58	22.24	22.09	22.74	23.23	22.15	22.81	22.66	23.31	23.80
	8H	21.83	22.41	22.34	22.90	23.46	22.48	23.06	22.99	23.55	24.11