

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: P1585707

Luminaire Tested: 14CZSP-SB-43HE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585707
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

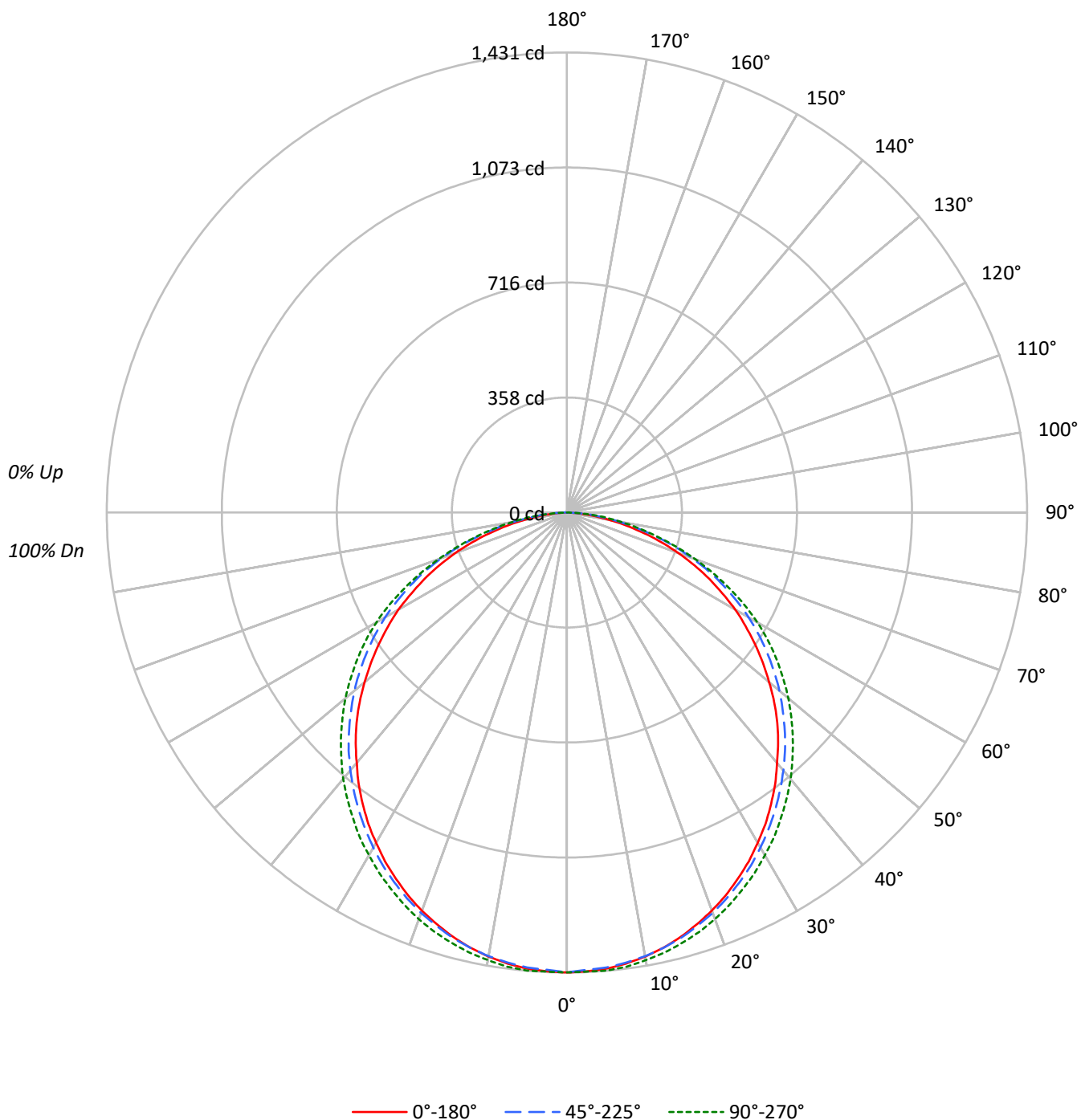
Lumens per Lamp: N/A
Luminaire Lumens: 4133.0 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	4821	4821	4821
5°	4817	4805	4837
10°	4799	4795	4838
15°	4768	4779	4835
20°	4726	4754	4827
25°	4675	4719	4808
30°	4616	4684	4790
35°	4552	4646	4773
40°	4473	4606	4761
45°	4409	4565	4735
50°	4304	4522	4713
55°	4193	4463	4676
60°	4081	4397	4614
65°	3897	4282	4438
70°	3636	4089	4188
75°	3240	3705	3813
80°	2645	3211	3373
85°	1748	2556	2737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4735 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	3.3
10°-20°	388.1	9.4
20°-30°	587.6	14.2
30°-40°	709.3	17.2
40°-50°	740.7	17.9
50°-60°	677.6	16.4
60°-70°	523.9	12.7
70°-80°	296.6	7.2
80°-90°	73.7	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°	1111.3	26.9
0°-40°	1820.5	44.0
0°-60°	3238.9	78.4
0°-90°	4133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1431	1431	1431	1431	1431	
5°	1424	1434	1420	1422	1430	135
15°	1367	1379	1370	1376	1386	385
25°	1257	1273	1269	1281	1293	579
35°	1107	1122	1129	1148	1160	692
45°	925	943	958	982	994	713
55°	714	735	760	784	796	638
65°	489	509	537	553	557	482
75°	249	270	285	292	293	264
85°	45	52	66	69	71	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1430.6	1430.6	1430.6	1430.6	1430.6
2.5°	1428.8	1438.9	1423.5	1426.4	1429.4
5°	1424.1	1434.2	1420.5	1421.7	1430.0
7.5°	1415.1	1426.4	1412.2	1414.5	1424.7
10°	1402.6	1413.9	1401.4	1403.8	1413.9
12.5°	1386.6	1397.9	1387.1	1390.7	1402.0
15°	1366.9	1378.8	1369.9	1376.4	1386.0
17.5°	1343.1	1358.0	1348.4	1358.6	1368.1
20°	1318.1	1333.0	1325.8	1334.8	1346.1
22.5°	1289.5	1304.4	1299.0	1308.6	1321.1
25°	1257.4	1273.4	1269.3	1281.2	1293.1
27.5°	1224.0	1239.5	1238.3	1251.4	1263.9
30°	1186.5	1203.2	1203.8	1219.3	1231.2
32.5°	1149.0	1163.9	1167.5	1184.7	1198.4
35°	1106.7	1122.2	1129.4	1148.4	1160.3
37.5°	1063.9	1081.1	1088.9	1109.7	1122.2
40°	1016.8	1036.5	1047.2	1069.2	1082.3
42.5°	972.2	990.1	1004.3	1026.4	1038.3
45°	925.2	943.0	957.9	982.3	993.6
47.5°	874.6	894.2	910.3	934.1	946.6
50°	821.0	842.4	862.7	885.9	899.0
52.5°	768.0	788.8	812.0	834.7	847.8
55°	713.8	735.2	759.7	783.5	796.0
57.5°	659.0	680.5	707.3	728.7	741.8
60°	605.5	625.1	652.5	673.9	684.6
62.5°	544.7	567.4	595.3	616.8	622.7
65°	488.8	509.0	537.0	553.1	556.6
67.5°	429.2	449.5	477.5	486.4	491.8
70°	369.1	390.5	415.0	420.9	425.1
72.5°	308.4	330.4	349.5	355.4	359.0
75°	248.9	270.3	284.6	291.7	292.9
77.5°	191.1	210.8	223.8	232.2	232.2
80°	136.3	151.2	165.5	174.4	173.8
82.5°	86.9	98.2	113.1	119.7	123.8
85°	45.2	52.4	66.1	69.1	70.8
87.5°	14.3	18.5	23.8	19.6	19.1
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	17.14	18.80	17.51	19.11	19.42	17.69	19.34	18.05	19.65	19.96
	3H	18.92	20.41	19.29	20.74	21.10	19.55	21.04	19.92	21.37	21.73
	4H	19.54	20.95	19.94	21.30	21.67	20.22	21.63	20.62	21.97	22.35
	6H	19.95	21.25	20.36	21.62	22.01	20.70	22.01	21.11	22.37	22.76
	8H	20.05	21.29	20.47	21.68	22.08	20.86	22.11	21.28	22.50	22.89
	12H	20.09	21.29	20.52	21.67	22.10	20.96	22.15	21.39	22.53	22.96
4H	2H	17.88	19.29	18.28	19.64	20.01	18.31	19.71	18.70	20.06	20.44
	3H	19.88	21.06	20.28	21.45	21.85	20.38	21.57	20.79	21.96	22.36
	4H	20.63	21.69	21.06	22.11	22.54	21.18	22.25	21.62	22.67	23.10
	6H	21.14	22.08	21.60	22.52	22.97	21.80	22.73	22.25	23.17	23.63
	8H	21.28	22.15	21.74	22.60	23.06	22.00	22.88	22.46	23.32	23.78
	12H	21.36	22.14	21.84	22.62	23.09	22.14	22.93	22.62	23.40	23.87
8H	4H	20.98	21.86	21.44	22.30	22.76	21.47	22.35	21.93	22.79	23.26
	6H	21.61	22.34	22.11	22.83	23.30	22.21	22.93	22.70	23.42	23.90
	8H	21.81	22.46	22.32	22.96	23.45	22.48	23.13	22.99	23.64	24.12
	12H	21.93	22.51	22.44	23.00	23.56	22.69	23.26	23.19	23.75	24.31
12H	4H	21.02	21.81	21.50	22.28	22.75	21.50	22.29	21.98	22.76	23.23
	6H	21.68	22.33	22.19	22.84	23.32	22.25	22.90	22.76	23.41	23.89
	8H	21.93	22.50	22.43	22.99	23.55	22.58	23.15	23.08	23.64	24.20