

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: P1584325

Luminaire Tested: 14CZSP-47-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-47-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

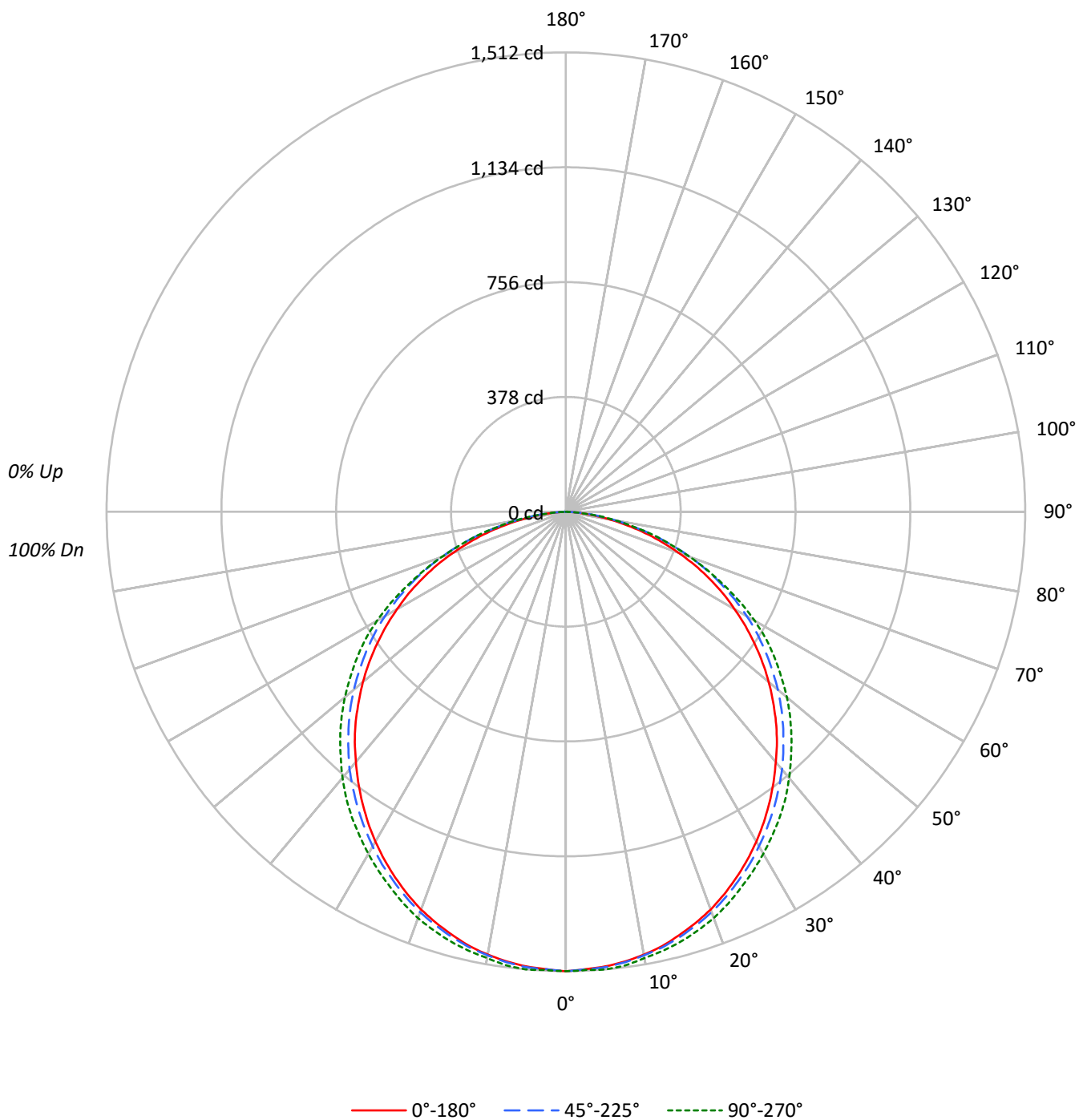
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4364.0 lumens
Efficiency: N/A
Efficacy: 133.0 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): 32.8
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

TEST NUMBER: P1584325
CATALOG NUMBER: 14CZSP-47-L935

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	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5096	5096	5096
5°	5081	5090	5116
10°	5064	5073	5104
15°	5032	5055	5109
20°	4996	5029	5103
25°	4940	4988	5075
30°	4878	4948	5059
35°	4806	4907	5051
40°	4729	4872	5031
45°	4661	4821	5006
50°	4571	4775	4978
55°	4461	4712	4933
60°	4325	4639	4839
65°	4157	4508	4600
70°	3900	4283	4283
75°	3503	3891	3908
80°	2887	3289	3289
85°	2003	2401	2099

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5006 cd/sqm

TEST NUMBER: P1584325

CATALOG NUMBER: 14CZSP-47-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	3.3
10°-20°	410.3	9.4
20°-30°	621.0	14.2
30°-40°	749.7	17.2
40°-50°	783.2	17.9
50°-60°	717.5	16.4
60°-70°	553.2	12.7
70°-80°	312.1	7.2
80°-90°	73.9	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°	1174.5	26.9
0°-40°	1924.2	44.1
0°-60°	3424.9	78.5
0°-90°	4364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4364.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1512	1512	1512	1512	1512	
5°	1502	1512	1505	1507	1512	143
15°	1443	1452	1449	1461	1465	407
25°	1329	1340	1342	1360	1365	612
35°	1168	1184	1193	1219	1228	731
45°	978	995	1012	1042	1050	754
55°	759	779	802	832	840	678
65°	521	538	565	585	577	515
75°	269	290	299	307	300	285
85°	52	58	62	66	54	65
90°	0	0	0	0	0	

TEST NUMBER: P1584325

CATALOG NUMBER: 14CZSP-47-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1512.4	1512.4	1512.4	1512.4	1512.4
2.5°	1507.2	1517.6	1507.2	1512.4	1509.8
5°	1502.1	1512.4	1504.7	1507.2	1512.4
7.5°	1493.0	1503.4	1495.6	1499.5	1506.0
10°	1480.1	1490.4	1482.7	1489.1	1491.7
12.5°	1464.6	1473.6	1468.4	1476.2	1480.1
15°	1442.6	1451.6	1449.0	1460.7	1464.6
17.5°	1419.3	1429.6	1427.0	1441.3	1445.1
20°	1393.4	1402.5	1402.5	1415.4	1423.2
22.5°	1362.3	1372.7	1374.0	1388.2	1396.0
25°	1328.7	1340.3	1341.6	1359.8	1364.9
27.5°	1292.5	1304.1	1309.3	1328.7	1333.9
30°	1253.7	1265.3	1271.8	1293.8	1300.2
32.5°	1212.3	1226.5	1233.0	1257.5	1264.0
35°	1168.3	1183.8	1192.9	1218.7	1227.8
37.5°	1123.0	1138.5	1150.2	1177.3	1187.7
40°	1075.1	1091.9	1107.5	1134.6	1143.7
42.5°	1028.6	1045.4	1059.6	1088.1	1097.1
45°	978.1	994.9	1011.7	1041.5	1050.5
47.5°	925.0	943.2	962.6	989.7	1001.4
50°	872.0	890.1	910.8	939.3	949.6
52.5°	816.4	835.8	856.5	886.2	894.0
55°	759.4	778.9	802.1	831.9	839.7
57.5°	701.2	721.9	746.5	775.0	782.7
60°	641.7	662.4	688.3	715.5	718.0
62.5°	583.5	601.6	627.5	653.4	649.5
65°	521.4	538.2	565.4	584.8	577.0
67.5°	459.3	477.4	502.0	516.2	505.9
70°	395.9	415.3	434.7	445.1	434.7
72.5°	332.5	353.2	367.4	373.9	364.8
75°	269.1	289.8	298.9	306.6	300.2
77.5°	208.3	227.7	231.6	240.6	231.6
80°	148.8	166.9	169.5	178.5	169.5
82.5°	95.7	107.4	112.6	120.3	111.3
85°	51.8	58.2	62.1	66.0	54.3
87.5°	18.1	20.7	18.1	15.5	6.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584325
CATALOG NUMBER: 14CZSP-47-L935

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	17.37	19.02	17.73	19.33	19.65	17.91	19.56	18.28	19.88	20.19
	3H	19.16	20.65	19.53	20.98	21.34	19.72	21.21	20.10	21.54	21.90
	4H	19.80	21.20	20.20	21.55	21.93	20.37	21.77	20.77	22.12	22.50
	6H	20.22	21.53	20.63	21.89	22.28	20.81	22.11	21.22	22.47	22.87
	8H	20.33	21.58	20.75	21.96	22.36	20.93	22.18	21.35	22.56	22.96
	12H	20.38	21.58	20.81	21.96	22.39	20.99	22.18	21.42	22.56	22.99
4H	2H	18.10	19.50	18.49	19.85	20.23	18.52	19.93	18.92	20.28	20.65
	3H	20.10	21.28	20.51	21.68	22.08	20.56	21.74	20.97	22.14	22.54
	4H	20.87	21.94	21.30	22.35	22.79	21.34	22.41	21.77	22.82	23.25
	6H	21.42	22.35	21.87	22.79	23.24	21.91	22.84	22.36	23.28	23.73
	8H	21.56	22.43	22.02	22.88	23.34	22.07	22.95	22.53	23.39	23.85
	12H	21.65	22.43	22.13	22.91	23.37	22.16	22.95	22.64	23.42	23.89
8H	4H	21.21	22.09	21.67	22.53	22.99	21.63	22.50	22.09	22.94	23.41
	6H	21.87	22.60	22.37	23.09	23.56	22.31	23.03	22.80	23.52	24.00
	8H	22.08	22.73	22.59	23.24	23.72	22.54	23.19	23.05	23.70	24.18
	12H	22.22	22.79	22.72	23.28	23.84	22.69	23.27	23.20	23.76	24.32
12H	4H	21.25	22.04	21.73	22.51	22.98	21.65	22.44	22.13	22.91	23.38
	6H	21.93	22.58	22.44	23.09	23.57	22.35	23.00	22.86	23.51	23.99
	8H	22.19	22.76	22.69	23.25	23.81	22.63	23.21	23.14	23.70	24.26