

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: P1584583

Luminaire Tested: 14CZSP-A-42-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584583
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-A-42-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

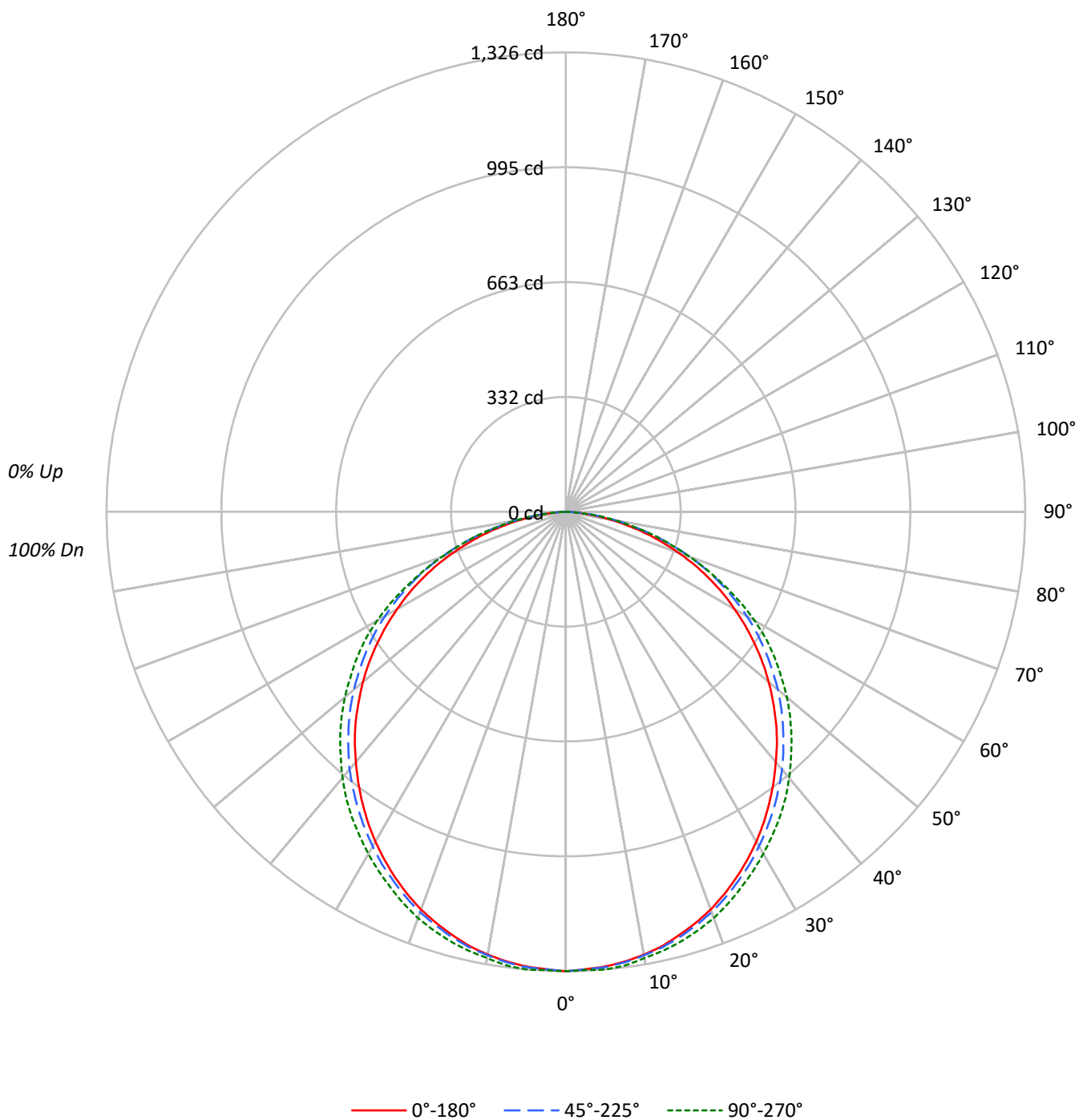
Lumens per Lamp: N/A
Luminaire Lumens: 3827.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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
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°	4469	4469	4469
5°	4455	4463	4486
10°	4441	4449	4476
15°	4413	4433	4480
20°	4382	4410	4475
25°	4332	4375	4450
30°	4278	4339	4436
35°	4214	4303	4429
40°	4147	4272	4412
45°	4087	4228	4390
50°	4009	4187	4366
55°	3913	4132	4326
60°	3792	4068	4244
65°	3645	3953	4034
70°	3421	3756	3756
75°	3072	3412	3427
80°	2532	2884	2884
85°	1755	2107	1844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	3.3
10°-20°	359.8	9.4
20°-30°	544.6	14.2
30°-40°	657.4	17.2
40°-50°	686.8	17.9
50°-60°	629.2	16.4
60°-70°	485.1	12.7
70°-80°	273.7	7.2
80°-90°	64.8	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°	1030.0	26.9
0°-40°	1687.4	44.1
0°-60°	3003.4	78.5
0°-90°	3827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3827.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1317	1326	1320	1322	1326	125
15°	1265	1273	1271	1281	1284	357
25°	1165	1175	1177	1192	1197	537
35°	1024	1038	1046	1069	1077	641
45°	858	872	887	913	921	661
55°	666	683	703	730	736	595
65°	457	472	496	513	506	452
75°	236	254	262	269	263	250
85°	45	51	54	58	48	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1326.3	1326.3	1326.3	1326.3	1326.3
2.5°	1321.8	1330.9	1321.8	1326.3	1324.0
5°	1317.2	1326.3	1319.5	1321.8	1326.3
7.5°	1309.3	1318.4	1311.6	1315.0	1320.6
10°	1298.0	1307.0	1300.2	1305.9	1308.2
12.5°	1284.3	1292.3	1287.7	1294.5	1298.0
15°	1265.0	1273.0	1270.7	1280.9	1284.3
17.5°	1244.6	1253.7	1251.4	1263.9	1267.3
20°	1221.9	1229.9	1229.9	1241.2	1248.0
22.5°	1194.7	1203.8	1204.9	1217.4	1224.2
25°	1165.2	1175.4	1176.6	1192.4	1197.0
27.5°	1133.4	1143.6	1148.2	1165.2	1169.7
30°	1099.4	1109.6	1115.3	1134.6	1140.2
32.5°	1063.1	1075.6	1081.2	1102.8	1108.5
35°	1024.5	1038.1	1046.1	1068.8	1076.7
37.5°	984.8	998.4	1008.6	1032.5	1041.5
40°	942.8	957.6	971.2	995.0	1003.0
42.5°	902.0	916.7	929.2	954.2	962.1
45°	857.7	872.5	887.2	913.3	921.3
47.5°	811.2	827.1	844.1	867.9	878.2
50°	764.7	780.6	798.7	823.7	832.8
52.5°	715.9	732.9	751.1	777.2	784.0
55°	666.0	683.0	703.4	729.5	736.3
57.5°	614.9	633.1	654.6	679.6	686.4
60°	562.7	580.9	603.6	627.4	629.7
62.5°	511.7	527.6	550.3	573.0	569.6
65°	457.2	472.0	495.8	512.8	506.0
67.5°	402.8	418.7	440.2	452.7	443.6
70°	347.2	364.2	381.2	390.3	381.2
72.5°	291.6	309.7	322.2	327.9	319.9
75°	236.0	254.1	262.1	268.9	263.2
77.5°	182.7	199.7	203.1	211.0	203.1
80°	130.5	146.4	148.6	156.6	148.6
82.5°	84.0	94.2	98.7	105.5	97.6
85°	45.4	51.1	54.5	57.9	47.7
87.5°	15.9	18.2	15.9	13.6	5.7
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	16.91	18.56	17.28	18.88	19.19	17.46	19.11	17.82	19.42	19.74
	3H	18.70	20.20	19.08	20.52	20.88	19.27	20.76	19.64	21.08	21.44
	4H	19.34	20.75	19.74	21.10	21.47	19.91	21.32	20.31	21.66	22.04
	6H	19.77	21.07	20.18	21.43	21.82	20.35	21.65	20.76	22.02	22.41
	8H	19.87	21.12	20.30	21.51	21.91	20.47	21.72	20.90	22.11	22.51
	12H	19.93	21.12	20.36	21.50	21.93	20.53	21.72	20.96	22.11	22.53
4H	2H	17.64	19.05	18.04	19.40	19.77	18.07	19.47	18.46	19.82	20.20
	3H	19.65	20.83	20.06	21.22	21.62	20.10	21.28	20.51	21.68	22.08
	4H	20.42	21.48	20.85	21.90	22.33	20.88	21.95	21.31	22.36	22.80
	6H	20.96	21.89	21.41	22.33	22.79	21.45	22.38	21.90	22.82	23.28
	8H	21.11	21.98	21.56	22.42	22.88	21.62	22.49	22.07	22.93	23.40
	12H	21.19	21.98	21.67	22.45	22.92	21.71	22.49	22.19	22.97	23.44
8H	4H	20.76	21.63	21.22	22.07	22.54	21.17	22.04	21.63	22.49	22.95
	6H	21.42	22.14	21.91	22.63	23.11	21.85	22.58	22.35	23.07	23.54
	8H	21.62	22.27	22.13	22.78	23.27	22.09	22.74	22.59	23.24	23.73
	12H	21.76	22.34	22.27	22.83	23.39	22.24	22.81	22.74	23.30	23.86
12H	4H	20.80	21.58	21.27	22.06	22.52	21.20	21.98	21.68	22.46	22.93
	6H	21.47	22.12	21.98	22.63	23.12	21.89	22.55	22.40	23.05	23.54
	8H	21.73	22.31	22.24	22.80	23.36	22.18	22.75	22.68	23.24	23.80