

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: P1584584

Luminaire Tested: 14CZSP-A-42-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-42-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

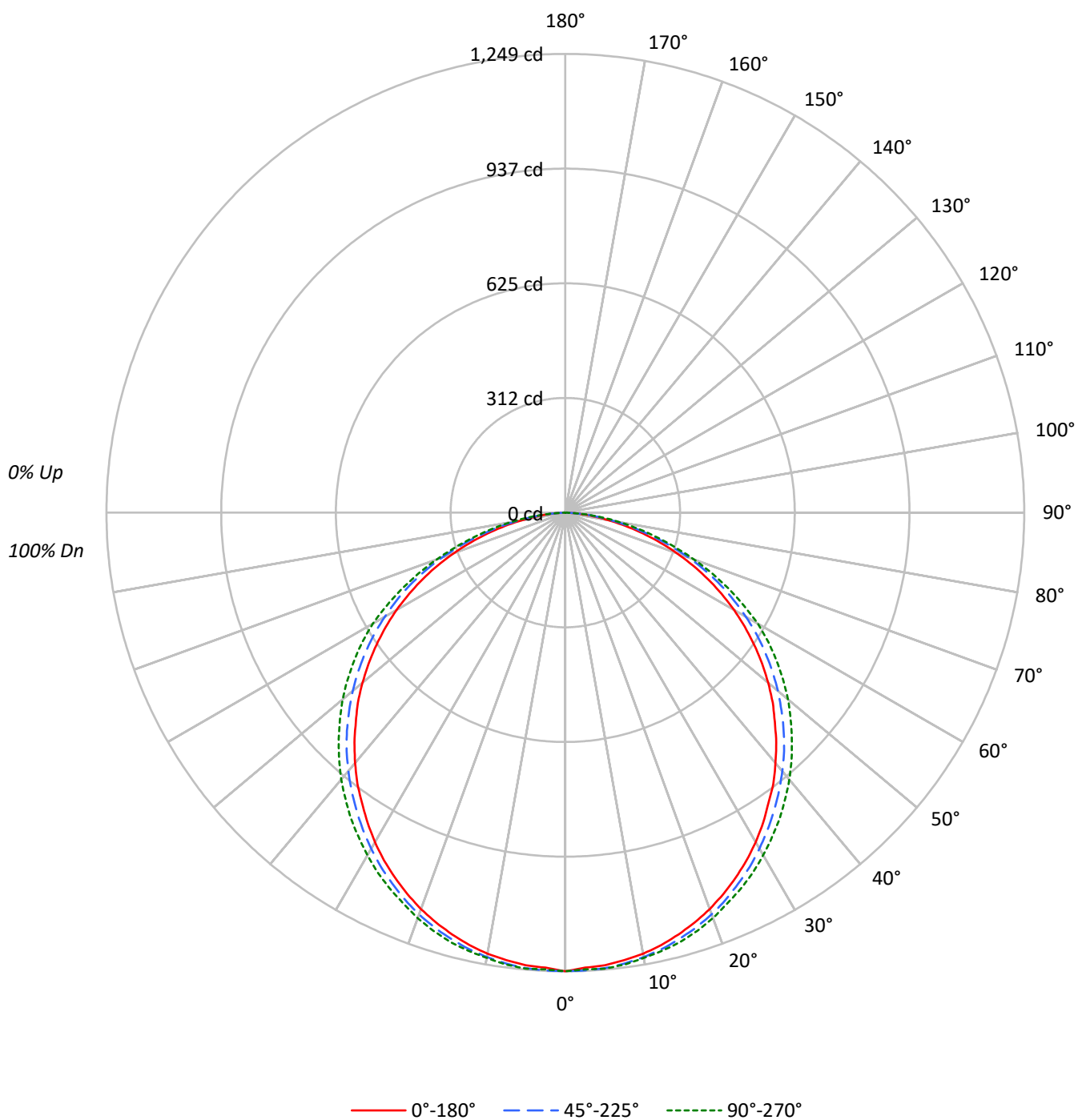
Lumens per Lamp: N/A
Luminaire Lumens: 3610.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	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	59	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°	4208	4208	4208
5°	4184	4211	4215
10°	4173	4203	4213
15°	4148	4191	4221
20°	4119	4175	4213
25°	4077	4143	4200
30°	4032	4110	4191
35°	3967	4074	4183
40°	3915	4041	4172
45°	3841	4006	4155
50°	3777	3958	4148
55°	3686	3902	4121
60°	3574	3824	4079
65°	3415	3719	3910
70°	3183	3512	3670
75°	2843	3169	3348
80°	2330	2670	2928
85°	1562	1952	2177

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	3.3
10°-20°	339.0	9.4
20°-30°	513.4	14.2
30°-40°	620.0	17.2
40°-50°	647.9	17.9
50°-60°	593.7	16.4
60°-70°	458.3	12.7
70°-80°	257.8	7.1
80°-90°	61.7	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°	970.7	26.9
0°-40°	1590.6	44.1
0°-60°	2832.2	78.5
0°-90°	3610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1237	1246	1245	1246	1246	118
15°	1189	1199	1201	1206	1210	336
25°	1097	1106	1114	1120	1130	505
35°	964	977	990	1004	1017	604
45°	806	822	841	858	872	623
55°	628	644	664	685	701	561
65°	428	447	466	485	490	423
75°	218	239	243	254	257	232
85°	40	46	50	55	56	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.7	1248.7	1248.7	1248.7	1248.7
2.5°	1240.2	1249.8	1247.6	1250.8	1245.0
5°	1237.0	1246.0	1245.0	1246.0	1246.0
7.5°	1229.0	1238.6	1238.1	1239.7	1240.7
10°	1219.5	1228.5	1228.5	1230.1	1231.2
12.5°	1206.2	1215.8	1216.8	1219.5	1221.6
15°	1189.2	1198.8	1201.4	1206.2	1209.9
17.5°	1170.1	1180.2	1184.4	1189.2	1194.0
20°	1148.8	1157.8	1164.2	1167.9	1174.8
22.5°	1123.8	1133.9	1140.8	1144.6	1152.0
25°	1096.7	1106.3	1114.3	1120.1	1129.7
27.5°	1068.0	1077.6	1087.2	1094.1	1105.2
30°	1036.2	1046.3	1056.3	1067.0	1077.1
32.5°	1001.6	1013.3	1024.5	1036.2	1047.3
35°	964.4	976.6	990.5	1003.7	1017.0
37.5°	929.9	941.0	955.4	969.7	983.0
40°	890.0	902.3	918.7	934.7	948.5
42.5°	849.6	862.9	881.0	896.4	911.3
45°	806.1	822.0	840.6	857.6	872.0
47.5°	765.7	779.5	798.1	816.7	831.6
50°	720.5	735.9	755.1	774.7	791.2
52.5°	674.8	690.8	710.4	730.1	747.1
55°	627.5	644.0	664.2	684.9	701.4
57.5°	579.2	596.7	617.4	638.2	654.6
60°	530.3	547.8	567.5	590.3	605.2
62.5°	479.3	498.9	517.5	538.8	547.8
65°	428.3	446.9	466.5	485.1	490.4
67.5°	376.2	395.3	412.9	425.1	432.0
70°	323.1	343.8	356.5	368.2	372.5
72.5°	270.5	291.2	298.6	309.8	314.0
75°	218.4	238.6	243.4	253.5	257.2
77.5°	167.9	186.5	188.1	199.8	203.0
80°	120.1	135.0	137.6	148.8	150.9
82.5°	77.0	87.7	91.4	101.0	104.1
85°	40.4	46.2	50.5	55.3	56.3
87.5°	13.3	16.5	13.8	14.3	13.3
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	16.70	18.35	17.07	18.67	18.98	17.24	18.89	17.61	19.21	19.52
	3H	18.48	19.97	18.86	20.30	20.66	19.10	20.59	19.48	20.92	21.28
	4H	19.11	20.51	19.50	20.86	21.24	19.77	21.18	20.17	21.52	21.90
	6H	19.52	20.82	19.93	21.18	21.57	20.25	21.55	20.66	21.92	22.31
	8H	19.62	20.87	20.04	21.25	21.65	20.39	21.64	20.82	22.03	22.43
	12H	19.67	20.86	20.10	21.24	21.67	20.48	21.67	20.90	22.05	22.48
4H	2H	17.43	18.84	17.83	19.18	19.56	17.85	19.26	18.25	19.61	19.98
	3H	19.42	20.60	19.83	21.00	21.40	19.92	21.10	20.33	21.50	21.90
	4H	20.18	21.25	20.61	21.66	22.10	20.72	21.79	21.15	22.20	22.64
	6H	20.71	21.64	21.16	22.08	22.54	21.32	22.26	21.78	22.70	23.15
	8H	20.85	21.72	21.31	22.16	22.63	21.51	22.39	21.97	22.83	23.29
	12H	20.93	21.71	21.41	22.19	22.66	21.63	22.42	22.11	22.89	23.36
8H	4H	20.52	21.39	20.98	21.83	22.30	21.00	21.87	21.45	22.31	22.78
	6H	21.16	21.88	21.65	22.37	22.85	21.71	22.43	22.20	22.92	23.40
	8H	21.36	22.01	21.87	22.51	23.00	21.97	22.62	22.47	23.12	23.61
	12H	21.49	22.06	21.99	22.55	23.11	22.15	22.72	22.65	23.21	23.77
12H	4H	20.56	21.34	21.03	21.82	22.28	21.02	21.80	21.50	22.28	22.75
	6H	21.21	21.87	21.72	22.37	22.86	21.74	22.40	22.25	22.90	23.39
	8H	21.47	22.04	21.97	22.53	23.09	22.05	22.63	22.56	23.12	23.68