

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: P1585686

Luminaire Tested: 14CZSP-SB-42-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-42-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

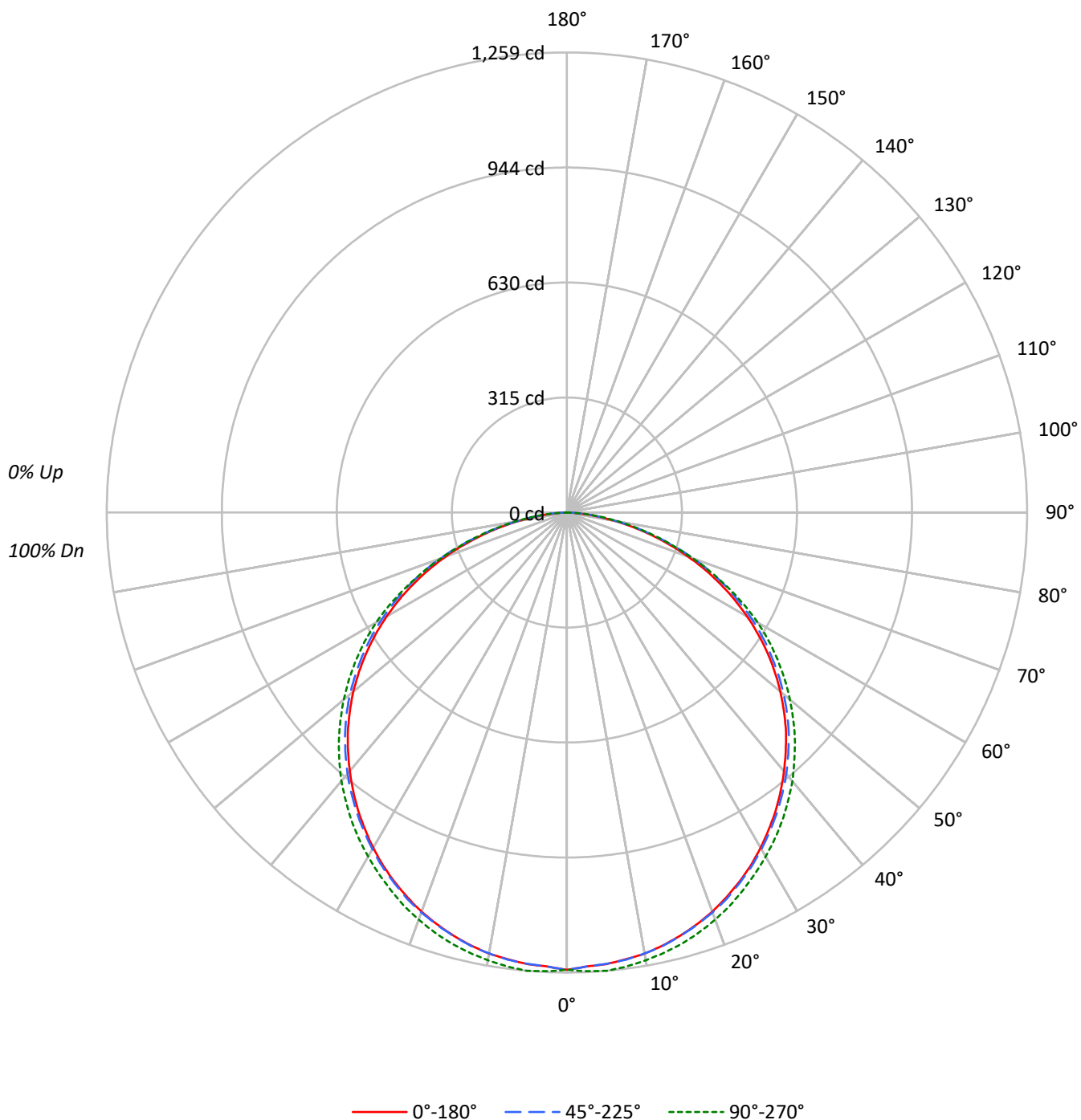
Lumens per Lamp: N/A
Luminaire Lumens: 3693.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1585686

CATALOG NUMBER: 14CZSP-SB-42-L940-S

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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4217	4217	4217
5°	4197	4195	4258
10°	4195	4193	4257
15°	4182	4186	4259
20°	4169	4177	4252
25°	4148	4158	4238
30°	4123	4141	4231
35°	4096	4122	4229
40°	4064	4107	4221
45°	4040	4091	4204
50°	3999	4061	4177
55°	3937	4009	4136
60°	3841	3940	4062
65°	3697	3837	3877
70°	3477	3638	3616
75°	3122	3253	3276
80°	2579	2711	2852
85°	1728	2010	2123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4204 cd/sqm

TEST NUMBER: P1585686

CATALOG NUMBER: 14CZSP-SB-42-L940-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	3.2
10°-20°	340.9	9.2
20°-30°	519.2	14.1
30°-40°	631.8	17.1
40°-50°	666.1	18.0
50°-60°	613.5	16.6
60°-70°	473.8	12.8
70°-80°	265.2	7.2
80°-90°	63.9	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°	978.7	26.5
0°-40°	1610.5	43.6
0°-60°	2890.1	78.3
0°-90°	3693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1251	1251	1251	1251	1251	
5°	1241	1258	1240	1242	1259	118
15°	1199	1215	1200	1207	1221	338
25°	1116	1132	1118	1126	1140	514
35°	996	1010	1002	1014	1028	623
45°	848	860	858	871	882	653
55°	670	681	682	697	704	598
65°	464	477	481	486	486	458
75°	240	254	250	249	252	254
85°	45	49	52	58	55	57
90°	0	0	0	0	0	

TEST NUMBER: P1585686

CATALOG NUMBER: 14CZSP-SB-42-L940-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1251.4	1251.4	1251.4	1251.4	1251.4
2.5°	1243.5	1261.6	1243.5	1246.3	1256.5
5°	1240.7	1258.2	1240.1	1241.8	1258.8
7.5°	1233.3	1251.4	1234.5	1236.7	1253.1
10°	1226.0	1242.4	1225.4	1228.2	1244.1
12.5°	1213.5	1230.5	1214.7	1218.1	1233.9
15°	1198.8	1215.2	1200.0	1206.7	1220.9
17.5°	1181.9	1197.7	1183.0	1190.9	1204.5
20°	1162.6	1177.9	1164.9	1170.6	1185.8
22.5°	1140.0	1155.9	1143.4	1148.5	1164.9
25°	1115.7	1131.5	1118.5	1125.9	1140.0
27.5°	1089.1	1104.4	1093.1	1102.1	1114.6
30°	1059.7	1074.4	1064.2	1075.0	1087.4
32.5°	1028.1	1043.9	1033.7	1046.2	1058.6
35°	995.8	1010.5	1002.0	1014.5	1028.1
37.5°	960.8	974.9	968.7	981.7	994.1
40°	924.0	939.8	933.6	947.2	959.6
42.5°	886.1	901.4	896.3	910.4	921.2
45°	847.7	859.5	858.4	871.4	882.2
47.5°	805.3	820.0	817.7	830.7	840.3
50°	762.8	774.7	774.7	787.2	796.8
52.5°	717.0	728.9	728.9	743.6	751.5
55°	670.1	681.4	682.5	696.7	704.0
57.5°	620.3	632.2	634.5	648.6	655.4
60°	570.0	581.3	584.7	598.9	602.8
62.5°	517.4	531.0	532.7	544.0	546.3
65°	463.7	477.3	481.2	485.8	486.3
67.5°	408.8	423.0	426.9	426.9	426.9
70°	352.9	365.9	369.3	367.0	367.0
72.5°	296.3	310.5	308.8	306.5	307.6
75°	239.8	254.5	249.9	249.4	251.6
77.5°	185.5	199.6	192.3	196.8	197.4
80°	132.9	143.6	139.7	146.5	147.0
82.5°	85.4	92.2	93.3	99.0	97.3
85°	44.7	49.2	52.0	58.2	54.9
87.5°	14.1	18.7	17.0	19.8	15.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585686

CATALOG NUMBER: 14CZSP-SB-42-L940-S

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	17.03	18.69	17.40	19.00	19.32	17.25	18.91	17.62	19.22	19.53
	3H	18.86	20.35	19.23	20.68	21.04	19.05	20.55	19.43	20.88	21.24
	4H	19.50	20.91	19.90	21.26	21.64	19.69	21.10	20.09	21.45	21.82
	6H	19.93	21.24	20.34	21.60	21.99	20.14	21.45	20.55	21.82	22.21
	8H	20.04	21.29	20.46	21.68	22.08	20.27	21.53	20.70	21.91	22.31
	12H	20.09	21.29	20.52	21.67	22.10	20.35	21.55	20.78	21.93	22.36
4H	2H	17.71	19.13	18.11	19.47	19.85	17.88	19.30	18.28	19.64	20.02
	3H	19.75	20.94	20.16	21.34	21.74	19.90	21.08	20.31	21.48	21.88
	4H	20.53	21.61	20.97	22.02	22.46	20.66	21.73	21.09	22.14	22.58
	6H	21.08	22.02	21.54	22.46	22.92	21.23	22.17	21.68	22.61	23.06
	8H	21.23	22.11	21.69	22.55	23.01	21.40	22.28	21.86	22.72	23.19
	12H	21.31	22.10	21.79	22.58	23.05	21.52	22.31	22.00	22.78	23.25
8H	4H	20.84	21.72	21.30	22.16	22.63	20.95	21.83	21.41	22.27	22.73
	6H	21.50	22.23	21.99	22.72	23.19	21.63	22.36	22.12	22.85	23.32
	8H	21.71	22.36	22.22	22.87	23.35	21.87	22.52	22.38	23.03	23.52
	12H	21.84	22.42	22.35	22.91	23.47	22.05	22.63	22.55	23.12	23.68
12H	4H	20.87	21.66	21.35	22.14	22.61	20.98	21.77	21.46	22.24	22.71
	6H	21.55	22.20	22.05	22.71	23.19	21.67	22.33	22.18	22.83	23.32
	8H	21.80	22.38	22.31	22.87	23.43	21.96	22.54	22.47	23.03	23.59