

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: P1585675

Luminaire Tested: 14CZSP-SB-42-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585675
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-42-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

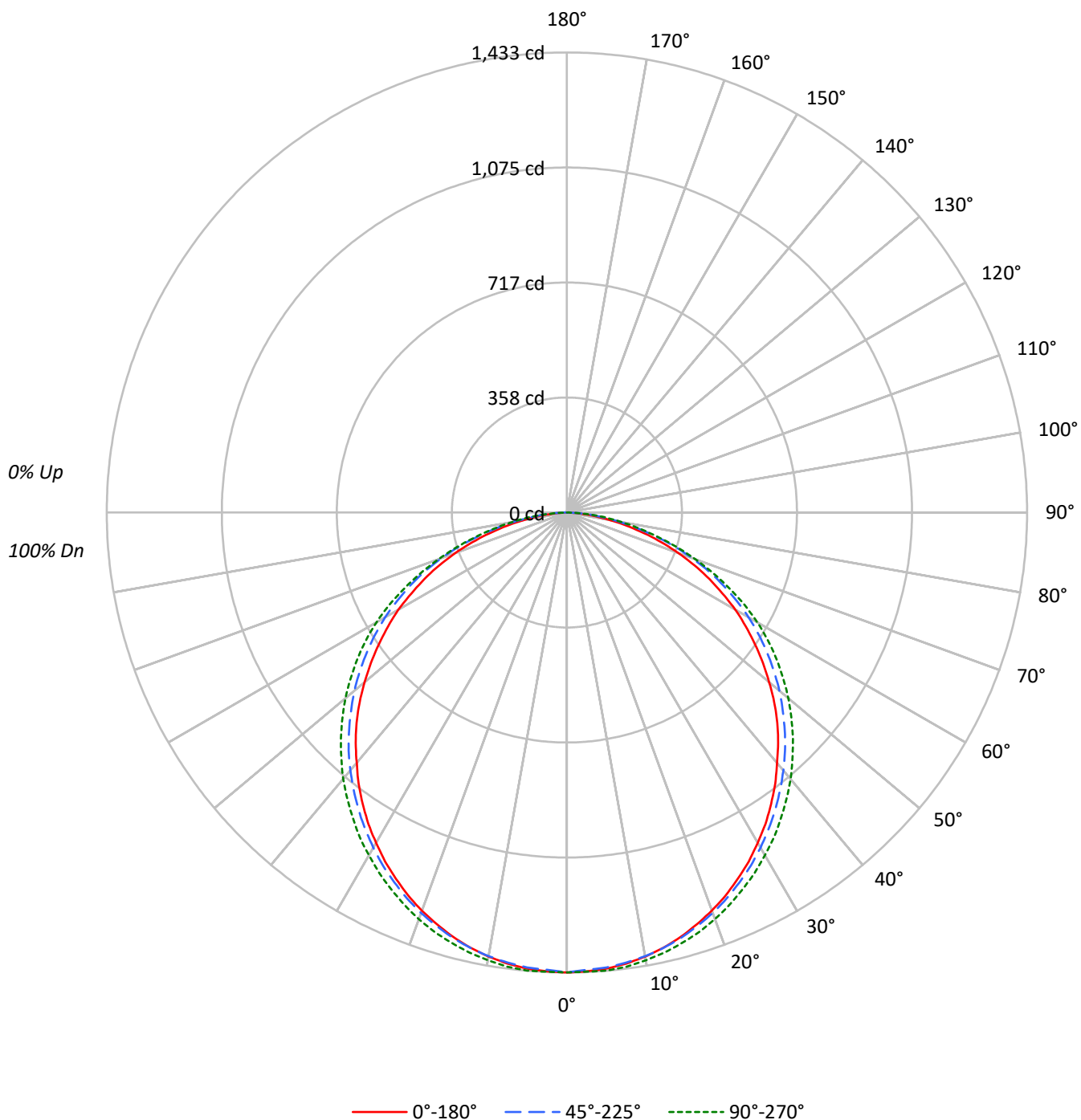
Lumens per Lamp: N/A
Luminaire Lumens: 4139.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1585675

CATALOG NUMBER: 14CZSP-SB-42-L835

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°	4828	4828	4828
5°	4824	4812	4844
10°	4806	4802	4845
15°	4775	4786	4842
20°	4733	4761	4834
25°	4682	4726	4815
30°	4623	4690	4797
35°	4559	4652	4780
40°	4479	4613	4768
45°	4415	4571	4742
50°	4310	4529	4719
55°	4200	4469	4683
60°	4086	4403	4620
65°	3903	4288	4445
70°	3641	4094	4194
75°	3244	3710	3818
80°	2649	3215	3378
85°	1751	2559	2741

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4742 cd/sqm

TEST NUMBER: P1585675

CATALOG NUMBER: 14CZSP-SB-42-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	3.3
10°-20°	388.7	9.4
20°-30°	588.5	14.2
30°-40°	710.3	17.2
40°-50°	741.8	17.9
50°-60°	678.6	16.4
60°-70°	524.6	12.7
70°-80°	297.0	7.2
80°-90°	73.8	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°	1112.9	26.9
0°-40°	1823.2	44.0
0°-60°	3243.6	78.4
0°-90°	4139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1426	1436	1422	1424	1432	135
15°	1369	1381	1372	1378	1388	386
25°	1259	1275	1271	1283	1295	580
35°	1108	1124	1131	1150	1162	693
45°	926	944	959	984	995	714
55°	715	736	761	785	797	639
65°	490	510	538	554	558	483
75°	249	271	285	292	293	264
85°	45	52	66	69	71	58
90°	0	0	0	0	0	

TEST NUMBER: P1585675

CATALOG NUMBER: 14CZSP-SB-42-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1432.7	1432.7	1432.7	1432.7	1432.7
2.5°	1430.9	1441.0	1425.5	1428.5	1431.5
5°	1426.1	1436.3	1422.5	1423.7	1432.1
7.5°	1417.2	1428.5	1414.2	1416.6	1426.7
10°	1404.7	1416.0	1403.5	1405.9	1416.0
12.5°	1388.6	1399.9	1389.2	1392.7	1404.1
15°	1368.9	1380.8	1371.9	1378.4	1388.0
17.5°	1345.0	1359.9	1350.4	1360.5	1370.1
20°	1320.0	1334.9	1327.8	1336.7	1348.0
22.5°	1291.4	1306.3	1300.9	1310.5	1323.0
25°	1259.2	1275.3	1271.1	1283.0	1295.0
27.5°	1225.8	1241.3	1240.1	1253.2	1265.7
30°	1188.2	1204.9	1205.5	1221.0	1233.0
32.5°	1150.7	1165.6	1169.2	1186.4	1200.2
35°	1108.3	1123.8	1131.0	1150.1	1162.0
37.5°	1065.4	1082.7	1090.5	1111.3	1123.8
40°	1018.3	1038.0	1048.7	1070.8	1083.9
42.5°	973.6	991.5	1005.8	1027.9	1039.8
45°	926.5	944.4	959.3	983.7	995.1
47.5°	875.8	895.5	911.6	935.4	948.0
50°	822.2	843.6	863.9	887.2	900.3
52.5°	769.1	790.0	813.2	835.9	849.0
55°	714.9	736.3	760.8	784.6	797.1
57.5°	660.0	681.5	708.3	729.8	742.9
60°	606.3	626.0	653.4	674.9	685.6
62.5°	545.5	568.2	596.2	617.7	623.6
65°	489.5	509.8	537.8	553.9	557.5
67.5°	429.9	450.1	478.2	487.1	492.5
70°	369.6	391.1	415.6	421.5	425.7
72.5°	308.8	330.9	350.0	355.9	359.5
75°	249.2	270.7	285.0	292.1	293.3
77.5°	191.4	211.1	224.2	232.5	232.5
80°	136.5	151.4	165.7	174.7	174.1
82.5°	87.0	98.4	113.3	119.8	124.0
85°	45.3	52.5	66.2	69.2	70.9
87.5°	14.3	18.5	23.8	19.7	19.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585675
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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	17.15	18.80	17.51	19.11	19.43	17.69	19.34	18.06	19.66	19.97
	3H	18.92	20.42	19.30	20.74	21.10	19.55	21.05	19.93	21.37	21.73
	4H	19.55	20.95	19.94	21.30	21.68	20.22	21.63	20.62	21.98	22.35
	6H	19.95	21.26	20.36	21.62	22.01	20.71	22.01	21.12	22.38	22.77
	8H	20.05	21.30	20.48	21.69	22.09	20.86	22.11	21.29	22.50	22.90
	12H	20.10	21.30	20.53	21.68	22.11	20.96	22.16	21.39	22.54	22.97
4H	2H	17.89	19.30	18.29	19.64	20.02	18.31	19.72	18.71	20.07	20.44
	3H	19.88	21.06	20.29	21.46	21.86	20.39	21.57	20.80	21.97	22.37
	4H	20.63	21.70	21.06	22.11	22.55	21.19	22.26	21.62	22.67	23.11
	6H	21.15	22.08	21.60	22.52	22.98	21.80	22.74	22.26	23.18	23.63
	8H	21.28	22.16	21.74	22.60	23.07	22.01	22.88	22.47	23.32	23.79
	12H	21.36	22.15	21.84	22.62	23.09	22.15	22.93	22.63	23.41	23.88
8H	4H	20.99	21.86	21.44	22.30	22.77	21.48	22.35	21.94	22.80	23.26
	6H	21.62	22.35	22.11	22.83	23.31	22.21	22.94	22.70	23.43	23.90
	8H	21.81	22.46	22.32	22.97	23.46	22.49	23.14	22.99	23.64	24.13
	12H	21.94	22.51	22.44	23.00	23.56	22.69	23.27	23.20	23.76	24.32
12H	4H	21.03	21.81	21.51	22.29	22.76	21.50	22.29	21.98	22.77	23.23
	6H	21.68	22.34	22.19	22.84	23.33	22.25	22.91	22.76	23.41	23.90
	8H	21.93	22.51	22.44	23.00	23.56	22.58	23.16	23.09	23.65	24.21