

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: P1585641

Luminaire Tested: 14CZSP-SB-35-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585641
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-35-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

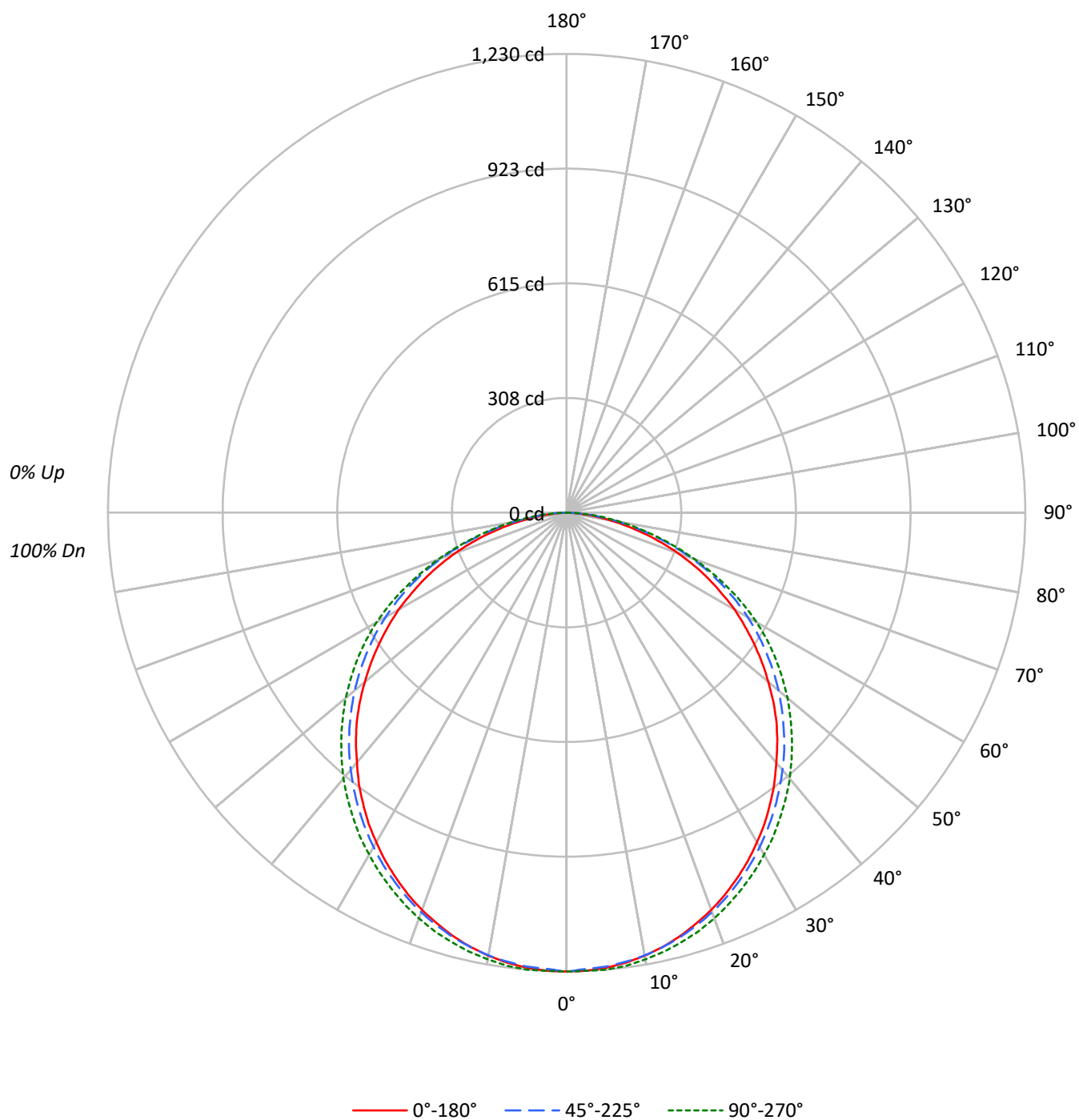
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3555.0 lumens
Efficiency: N/A
Efficacy: 153.2 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): 23.2
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	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	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	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		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°	4146	4146	4146
5°	4143	4133	4160
10°	4128	4124	4161
15°	4101	4110	4159
20°	4066	4089	4152
25°	4021	4059	4135
30°	3971	4029	4120
35°	3916	3996	4106
40°	3847	3962	4095
45°	3792	3926	4073
50°	3702	3890	4053
55°	3607	3839	4022
60°	3510	3782	3969
65°	3352	3683	3818
70°	3128	3516	3602
75°	2787	3187	3279
80°	2276	2763	2901
85°	1504	2196	2354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	3.3
10°-20°	333.9	9.4
20°-30°	505.4	14.2
30°-40°	610.1	17.2
40°-50°	637.1	17.9
50°-60°	582.9	16.4
60°-70°	450.6	12.7
70°-80°	255.1	7.2
80°-90°	63.4	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°	955.8	26.9
0°-40°	1565.9	44.0
0°-60°	2785.9	78.4
0°-90°	3555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1225	1234	1222	1223	1230	116
15°	1176	1186	1178	1184	1192	332
25°	1082	1095	1092	1102	1112	498
35°	952	965	971	988	998	595
45°	796	811	824	845	855	613
55°	614	632	653	674	685	549
65°	420	438	462	476	479	415
75°	214	232	245	251	252	227
85°	39	45	57	59	61	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1230.5	1230.5	1230.5	1230.5	1230.5
2.5°	1229.0	1237.7	1224.4	1227.0	1229.5
5°	1224.9	1233.6	1221.8	1222.9	1230.0
7.5°	1217.2	1227.0	1214.7	1216.7	1225.4
10°	1206.5	1216.2	1205.4	1207.5	1216.2
12.5°	1192.6	1202.4	1193.2	1196.2	1206.0
15°	1175.7	1186.0	1178.3	1183.9	1192.1
17.5°	1155.3	1168.1	1159.9	1168.6	1176.8
20°	1133.8	1146.6	1140.4	1148.1	1157.8
22.5°	1109.2	1122.0	1117.4	1125.6	1136.3
25°	1081.5	1095.3	1091.8	1102.0	1112.2
27.5°	1052.8	1066.2	1065.1	1076.4	1087.2
30°	1020.6	1034.9	1035.4	1048.7	1059.0
32.5°	988.3	1001.1	1004.2	1019.0	1030.8
35°	952.0	965.3	971.4	987.8	998.1
37.5°	915.1	929.9	936.6	954.5	965.3
40°	874.6	891.5	900.8	919.7	931.0
42.5°	836.2	851.6	863.9	882.8	893.1
45°	795.8	811.1	823.9	844.9	854.7
47.5°	752.3	769.1	783.0	803.5	814.2
50°	706.2	724.6	742.0	762.0	773.2
52.5°	660.6	678.5	698.5	717.9	729.2
55°	614.0	632.4	653.4	673.9	684.7
57.5°	566.9	585.3	608.4	626.8	638.1
60°	520.8	537.7	561.2	579.7	588.9
62.5°	468.6	488.0	512.1	530.5	535.6
65°	420.4	437.8	461.9	475.7	478.8
67.5°	369.2	386.6	410.7	418.4	423.0
70°	317.5	335.9	356.9	362.0	365.6
72.5°	265.3	284.2	300.6	305.7	308.8
75°	214.1	232.5	244.8	250.9	251.9
77.5°	164.4	181.3	192.5	199.7	199.7
80°	117.3	130.1	142.4	150.0	149.5
82.5°	74.8	84.5	97.3	102.9	106.5
85°	38.9	45.1	56.8	59.4	60.9
87.5°	12.3	15.9	20.5	16.9	16.4
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	16.62	18.27	16.99	18.59	18.90	17.16	18.81	17.53	19.13	19.44
	3H	18.39	19.89	18.77	20.21	20.57	19.02	20.52	19.40	20.84	21.20
	4H	19.02	20.43	19.42	20.77	21.15	19.69	21.10	20.09	21.45	21.82
	6H	19.42	20.73	19.83	21.09	21.48	20.18	21.49	20.59	21.85	22.24
	8H	19.52	20.77	19.95	21.16	21.56	20.34	21.58	20.76	21.97	22.37
	12H	19.57	20.77	20.00	21.15	21.58	20.43	21.63	20.86	22.01	22.44
4H	2H	17.36	18.77	17.76	19.12	19.49	17.78	19.19	18.18	19.54	19.91
	3H	19.35	20.53	19.76	20.93	21.33	19.86	21.04	20.27	21.44	21.84
	4H	20.10	21.17	20.53	21.58	22.02	20.66	21.73	21.09	22.14	22.58
	6H	20.62	21.56	21.07	22.00	22.45	21.28	22.21	21.73	22.65	23.11
	8H	20.76	21.63	21.22	22.07	22.54	21.48	22.35	21.94	22.80	23.26
	12H	20.83	21.62	21.31	22.09	22.56	21.62	22.41	22.10	22.88	23.35
8H	4H	20.46	21.33	20.92	21.77	22.24	20.95	21.83	21.41	22.27	22.73
	6H	21.09	21.82	21.58	22.30	22.78	21.68	22.41	22.18	22.90	23.37
	8H	21.28	21.94	21.79	22.44	22.93	21.96	22.61	22.46	23.11	23.60
	12H	21.41	21.99	21.92	22.48	23.04	22.16	22.74	22.67	23.23	23.79
12H	4H	20.50	21.28	20.98	21.76	22.23	20.98	21.76	21.45	22.24	22.71
	6H	21.15	21.81	21.66	22.31	22.80	21.73	22.38	22.23	22.88	23.37
	8H	21.40	21.98	21.91	22.47	23.03	22.05	22.63	22.56	23.12	23.68