

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: P1585639

Luminaire Tested: 14CZSP-SB-35-L845

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585639
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-L845
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 3000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

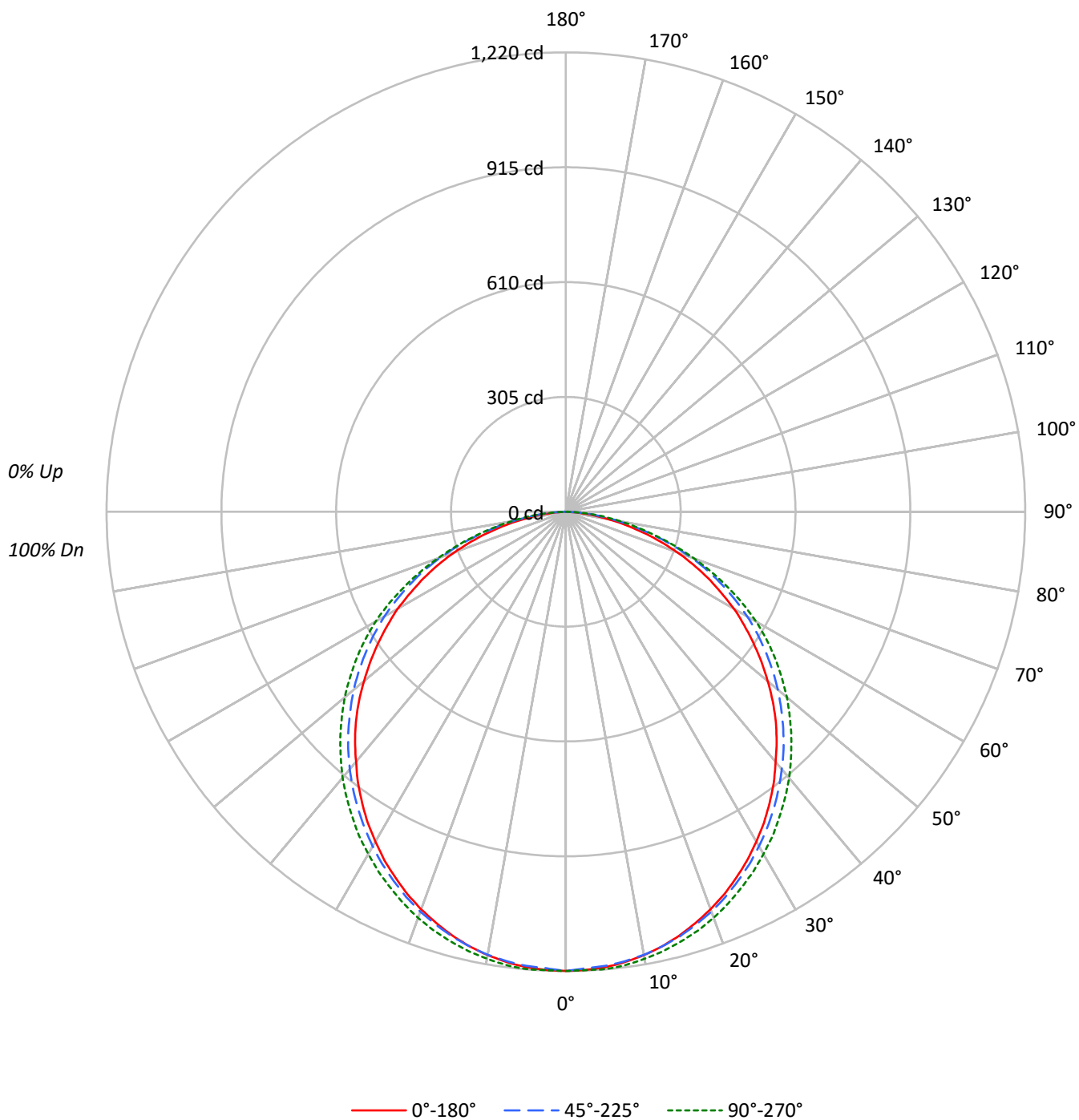
Lumens per Lamp: N/A
Luminaire Lumens: 3523.0 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	4109	4109	4109
5°	4106	4095	4123
10°	4091	4087	4124
15°	4065	4073	4121
20°	4029	4052	4114
25°	3985	4022	4098
30°	3935	3992	4083
35°	3881	3960	4069
40°	3813	3926	4058
45°	3758	3891	4036
50°	3668	3855	4017
55°	3575	3804	3986
60°	3478	3748	3933
65°	3322	3649	3783
70°	3099	3485	3569
75°	2761	3158	3251
80°	2255	2738	2876
85°	1492	2177	2335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4036 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	3.3
10°-20°	330.8	9.4
20°-30°	500.9	14.2
30°-40°	604.6	17.2
40°-50°	631.4	17.9
50°-60°	577.6	16.4
60°-70°	446.5	12.7
70°-80°	252.8	7.2
80°-90°	62.8	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°	947.2	26.9
0°-40°	1551.9	44.0
0°-60°	2760.8	78.4
0°-90°	3523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1220	1220	1220	1220	1220	
5°	1214	1222	1211	1212	1219	115
15°	1165	1175	1168	1173	1181	329
25°	1072	1086	1082	1092	1102	494
35°	943	957	963	979	989	590
45°	789	804	816	837	847	607
55°	608	627	648	668	678	544
65°	417	434	458	471	474	411
75°	212	230	243	249	250	225
85°	39	45	56	59	60	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1219.5	1219.5	1219.5	1219.5	1219.5
2.5°	1217.9	1226.6	1213.4	1215.9	1218.4
5°	1213.9	1222.5	1210.8	1211.8	1219.0
7.5°	1206.3	1215.9	1203.7	1205.8	1214.4
10°	1195.6	1205.3	1194.6	1196.6	1205.3
12.5°	1181.9	1191.5	1182.4	1185.5	1195.1
15°	1165.2	1175.3	1167.7	1173.3	1181.4
17.5°	1144.9	1157.5	1149.4	1158.1	1166.2
20°	1123.5	1136.2	1130.1	1137.8	1147.4
22.5°	1099.2	1111.9	1107.3	1115.4	1126.1
25°	1071.8	1085.5	1081.9	1092.1	1102.2
27.5°	1043.4	1056.6	1055.5	1066.7	1077.4
30°	1011.4	1025.6	1026.1	1039.3	1049.5
32.5°	979.4	992.1	995.2	1009.9	1021.5
35°	943.4	956.6	962.7	978.9	989.1
37.5°	906.9	921.6	928.2	945.9	956.6
40°	866.8	883.5	892.6	911.4	922.6
42.5°	828.7	843.9	856.1	874.9	885.0
45°	788.6	803.8	816.5	837.3	847.0
47.5°	745.5	762.2	775.9	796.2	806.9
50°	699.8	718.1	735.3	755.1	766.3
52.5°	654.6	672.4	692.2	711.5	722.6
55°	608.5	626.7	647.5	667.8	678.5
57.5°	561.8	580.0	602.9	621.1	632.3
60°	516.1	532.8	556.2	574.5	583.6
62.5°	464.3	483.6	507.5	525.7	530.8
65°	416.6	433.9	457.7	471.4	474.5
67.5°	365.9	383.1	407.0	414.6	419.2
70°	314.6	332.9	353.7	358.8	362.3
72.5°	262.9	281.6	297.9	303.0	306.0
75°	212.1	230.4	242.6	248.7	249.7
77.5°	162.9	179.6	190.8	197.9	197.9
80°	116.2	128.9	141.1	148.7	148.2
82.5°	74.1	83.7	96.4	102.0	105.6
85°	38.6	44.7	56.3	58.9	60.4
87.5°	12.2	15.7	20.3	16.7	16.2
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	16.59	18.24	16.95	18.55	18.87	17.13	18.78	17.50	19.10	19.41
	3H	18.36	19.86	18.74	20.18	20.54	18.99	20.48	19.37	20.81	21.17
	4H	18.99	20.39	19.38	20.74	21.12	19.66	21.07	20.06	21.42	21.79
	6H	19.39	20.70	19.80	21.06	21.45	20.15	21.45	20.56	21.82	22.21
	8H	19.49	20.74	19.92	21.13	21.53	20.30	21.55	20.73	21.94	22.34
	12H	19.54	20.74	19.97	21.12	21.55	20.40	21.60	20.83	21.98	22.41
4H	2H	17.33	18.74	17.73	19.08	19.46	17.75	19.16	18.15	19.51	19.88
	3H	19.32	20.50	19.73	20.90	21.30	19.83	21.01	20.24	21.41	21.81
	4H	20.07	21.14	20.50	21.55	21.99	20.63	21.70	21.06	22.11	22.55
	6H	20.59	21.52	21.04	21.96	22.42	21.24	22.18	21.70	22.62	23.07
	8H	20.72	21.60	21.18	22.04	22.51	21.45	22.32	21.91	22.77	23.23
	12H	20.80	21.59	21.28	22.06	22.53	21.59	22.37	22.07	22.85	23.32
8H	4H	20.43	21.30	20.88	21.74	22.21	20.92	21.79	21.38	22.24	22.70
	6H	21.06	21.79	21.55	22.27	22.75	21.65	22.38	22.14	22.87	23.34
	8H	21.25	21.90	21.76	22.41	22.89	21.93	22.58	22.43	23.08	23.57
	12H	21.38	21.95	21.88	22.44	23.00	22.13	22.71	22.64	23.20	23.76
12H	4H	20.47	21.25	20.95	21.73	22.20	20.94	21.73	21.42	22.21	22.67
	6H	21.12	21.78	21.63	22.28	22.77	21.69	22.35	22.20	22.85	23.34
	8H	21.37	21.95	21.88	22.44	23.00	22.02	22.60	22.53	23.09	23.65

END OF REPORT