

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: P1585633

Luminaire Tested: 14CZSP-SB-35-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585633
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-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

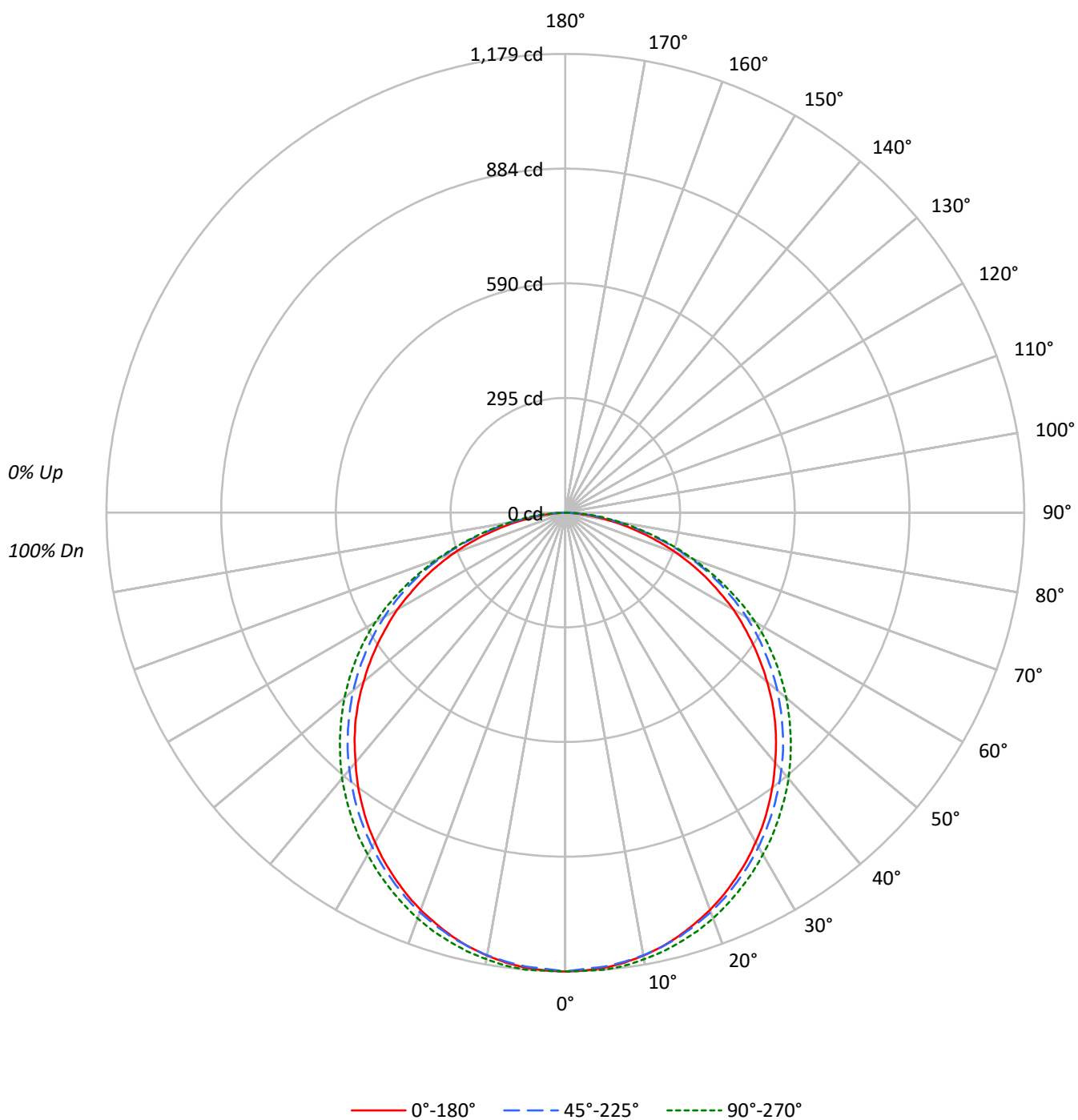
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3407.0 lumens
Efficiency: N/A
Efficacy: 146.9 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			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°	3974	3974	3974
5°	3971	3961	3987
10°	3956	3953	3988
15°	3931	3939	3986
20°	3896	3919	3979
25°	3854	3890	3963
30°	3806	3861	3949
35°	3753	3830	3935
40°	3687	3797	3924
45°	3634	3763	3903
50°	3548	3728	3885
55°	3457	3679	3855
60°	3364	3625	3804
65°	3212	3530	3659
70°	2998	3370	3452
75°	2670	3054	3144
80°	2181	2647	2781
85°	1442	2107	2258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3903 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	3.3
10°-20°	319.9	9.4
20°-30°	484.4	14.2
30°-40°	584.7	17.2
40°-50°	610.6	17.9
50°-60°	558.6	16.4
60°-70°	431.8	12.7
70°-80°	244.5	7.2
80°-90°	60.7	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°	916.0	26.9
0°-40°	1500.7	44.0
0°-60°	2669.9	78.4
0°-90°	3407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1179	1179	1179	1179	1179	
5°	1174	1182	1171	1172	1179	111
15°	1127	1137	1129	1135	1142	318
25°	1036	1050	1046	1056	1066	478
35°	912	925	931	947	956	571
45°	763	777	790	810	819	587
55°	588	606	626	646	656	526
65°	403	420	443	456	459	398
75°	205	223	235	240	242	217
85°	37	43	54	57	58	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1179.3	1179.3	1179.3	1179.3	1179.3
2.5°	1177.8	1186.2	1173.4	1175.9	1178.3
5°	1173.9	1182.3	1171.0	1171.9	1178.8
7.5°	1166.5	1175.9	1164.1	1166.1	1174.4
10°	1156.2	1165.6	1155.3	1157.2	1165.6
12.5°	1143.0	1152.3	1143.5	1146.4	1155.8
15°	1126.8	1136.6	1129.2	1134.6	1142.5
17.5°	1107.2	1119.4	1111.6	1119.9	1127.8
20°	1086.6	1098.8	1092.9	1100.3	1109.6
22.5°	1063.0	1075.3	1070.8	1078.7	1089.0
25°	1036.5	1049.7	1046.3	1056.1	1065.9
27.5°	1009.0	1021.8	1020.8	1031.6	1041.9
30°	978.1	991.8	992.3	1005.1	1014.9
32.5°	947.2	959.4	962.4	976.6	987.9
35°	912.3	925.1	931.0	946.7	956.5
37.5°	877.0	891.2	897.6	914.8	925.1
40°	838.2	854.4	863.3	881.4	892.2
42.5°	801.4	816.1	827.9	846.1	855.9
45°	762.6	777.4	789.6	809.8	819.1
47.5°	720.9	737.1	750.4	770.0	780.3
50°	676.8	694.4	711.1	730.3	741.1
52.5°	633.1	650.3	669.4	688.1	698.8
55°	588.4	606.1	626.2	645.8	656.2
57.5°	543.3	560.9	583.0	600.7	611.5
60°	499.1	515.3	537.9	555.5	564.4
62.5°	449.0	467.7	490.8	508.4	513.3
65°	402.9	419.6	442.7	455.9	458.9
67.5°	353.8	370.5	393.6	401.0	405.4
70°	304.3	321.9	342.1	347.0	350.4
72.5°	254.2	272.4	288.1	293.0	295.9
75°	205.1	222.8	234.6	240.5	241.5
77.5°	157.5	173.7	184.5	191.4	191.4
80°	112.4	124.7	136.4	143.8	143.3
82.5°	71.7	81.0	93.2	98.6	102.1
85°	37.3	43.2	54.5	56.9	58.4
87.5°	11.8	15.2	19.6	16.2	15.7
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	16.47	18.12	16.84	18.44	18.75	17.01	18.67	17.38	18.98	19.29
	3H	18.25	19.74	18.62	20.07	20.43	18.87	20.37	19.25	20.69	21.05
	4H	18.87	20.28	19.27	20.62	21.00	19.55	20.96	19.94	21.30	21.68
	6H	19.27	20.58	19.68	20.94	21.33	20.03	21.34	20.44	21.70	22.09
	8H	19.38	20.62	19.80	21.01	21.41	20.19	21.44	20.61	21.82	22.22
	12H	19.42	20.62	19.85	21.00	21.43	20.29	21.48	20.72	21.86	22.29
4H	2H	17.21	18.62	17.61	18.97	19.34	17.63	19.04	18.03	19.39	19.76
	3H	19.20	20.39	19.61	20.78	21.18	19.71	20.89	20.12	21.29	21.69
	4H	19.95	21.02	20.38	21.44	21.87	20.51	21.58	20.94	22.00	22.43
	6H	20.47	21.41	20.93	21.85	22.30	21.13	22.06	21.58	22.50	22.96
	8H	20.61	21.48	21.07	21.93	22.39	21.33	22.21	21.79	22.65	23.11
	12H	20.68	21.47	21.16	21.95	22.42	21.47	22.26	21.95	22.73	23.20
8H	4H	20.31	21.18	20.77	21.63	22.09	20.80	21.68	21.26	22.12	22.59
	6H	20.94	21.67	21.43	22.16	22.63	21.54	22.26	22.03	22.75	23.23
	8H	21.14	21.79	21.64	22.29	22.78	21.81	22.46	22.32	22.97	23.45
	12H	21.26	21.84	21.77	22.33	22.89	22.02	22.59	22.52	23.08	23.64
12H	4H	20.35	21.14	20.83	21.61	22.08	20.83	21.61	21.31	22.09	22.56
	6H	21.01	21.66	21.51	22.17	22.65	21.58	22.23	22.09	22.74	23.22
	8H	21.26	21.83	21.76	22.32	22.88	21.91	22.48	22.41	22.97	23.53