

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: P1584551

Luminaire Tested: 14CZSP-A-35-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-35-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

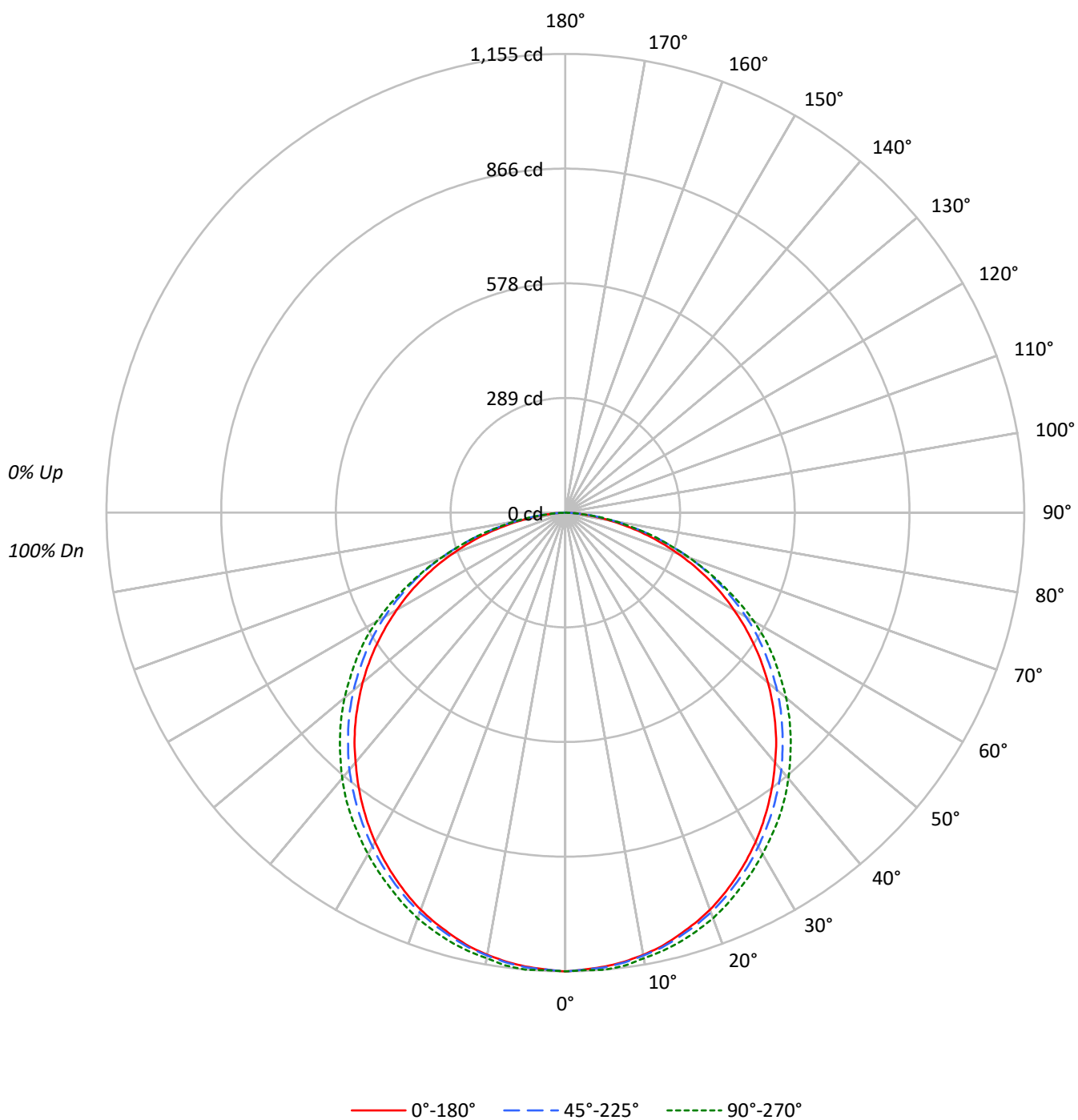
Lumens per Lamp: N/A
Luminaire Lumens: 3333.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	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	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		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°	3892	3892	3892
5°	3880	3887	3907
10°	3868	3875	3898
15°	3844	3861	3902
20°	3816	3841	3897
25°	3773	3810	3876
30°	3725	3779	3864
35°	3670	3747	3857
40°	3612	3720	3842
45°	3560	3682	3824
50°	3491	3646	3802
55°	3407	3599	3767
60°	3303	3543	3696
65°	3175	3443	3514
70°	2979	3271	3271
75°	2675	2972	2984
80°	2204	2511	2511
85°	1527	1833	1604

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.3
10°-20°	313.4	9.4
20°-30°	474.3	14.2
30°-40°	572.6	17.2
40°-50°	598.2	17.9
50°-60°	548.0	16.4
60°-70°	422.5	12.7
70°-80°	238.4	7.2
80°-90°	56.4	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°	897.0	26.9
0°-40°	1469.6	44.1
0°-60°	2615.7	78.5
0°-90°	3333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1147	1155	1149	1151	1155	109
15°	1102	1109	1107	1116	1119	311
25°	1015	1024	1025	1038	1042	468
35°	892	904	911	931	938	558
45°	747	760	773	795	802	576
55°	580	595	613	635	641	518
65°	398	411	432	447	441	394
75°	206	221	228	234	229	218
85°	40	44	47	50	42	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1155.1	1155.1	1155.1	1155.1	1155.1
2.5°	1151.2	1159.1	1151.2	1155.1	1153.1
5°	1147.2	1155.1	1149.2	1151.2	1155.1
7.5°	1140.3	1148.2	1142.3	1145.2	1150.2
10°	1130.4	1138.3	1132.4	1137.3	1139.3
12.5°	1118.6	1125.5	1121.5	1127.4	1130.4
15°	1101.8	1108.7	1106.7	1115.6	1118.6
17.5°	1084.0	1091.9	1089.9	1100.8	1103.7
20°	1064.2	1071.1	1071.1	1081.0	1086.9
22.5°	1040.5	1048.4	1049.4	1060.3	1066.2
25°	1014.8	1023.7	1024.7	1038.5	1042.5
27.5°	987.1	996.0	1000.0	1014.8	1018.8
30°	957.5	966.4	971.3	988.1	993.1
32.5°	925.9	936.7	941.7	960.5	965.4
35°	892.3	904.1	911.0	930.8	937.7
37.5°	857.7	869.5	878.4	899.2	907.1
40°	821.1	834.0	845.8	866.6	873.5
42.5°	785.6	798.4	809.3	831.0	837.9
45°	747.0	759.9	772.7	795.4	802.4
47.5°	706.5	720.3	735.2	755.9	764.8
50°	666.0	679.8	695.6	717.4	725.3
52.5°	623.5	638.3	654.1	676.9	682.8
55°	580.0	594.8	612.6	635.4	641.3
57.5°	535.6	551.4	570.1	591.9	597.8
60°	490.1	505.9	525.7	546.4	548.4
62.5°	445.6	459.5	479.2	499.0	496.0
65°	398.2	411.1	431.8	446.6	440.7
67.5°	350.8	364.6	383.4	394.3	386.4
70°	302.4	317.2	332.0	339.9	332.0
72.5°	253.9	269.8	280.6	285.6	278.6
75°	205.5	221.3	228.3	234.2	229.2
77.5°	159.1	173.9	176.9	183.8	176.9
80°	113.6	127.5	129.4	136.4	129.4
82.5°	73.1	82.0	86.0	91.9	85.0
85°	39.5	44.5	47.4	50.4	41.5
87.5°	13.8	15.8	13.8	11.9	4.9
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	16.43	18.08	16.80	18.40	18.71	16.98	18.63	17.34	18.94	19.26
	3H	18.22	19.72	18.60	20.04	20.40	18.79	20.28	19.16	20.60	20.96
	4H	18.86	20.27	19.26	20.62	20.99	19.43	20.84	19.83	21.18	21.56
	6H	19.29	20.59	19.70	20.95	21.34	19.87	21.17	20.28	21.54	21.93
	8H	19.39	20.64	19.82	21.03	21.43	19.99	21.24	20.42	21.63	22.03
	12H	19.45	20.64	19.88	21.02	21.45	20.05	21.24	20.48	21.63	22.05
4H	2H	17.16	18.57	17.56	18.92	19.29	17.59	18.99	17.98	19.34	19.72
	3H	19.17	20.35	19.58	20.74	21.14	19.62	20.80	20.03	21.20	21.60
	4H	19.94	21.00	20.37	21.42	21.85	20.40	21.47	20.83	21.88	22.32
	6H	20.48	21.41	20.93	21.85	22.31	20.97	21.90	21.42	22.34	22.80
	8H	20.62	21.50	21.08	21.94	22.40	21.14	22.01	21.59	22.45	22.92
	12H	20.71	21.49	21.19	21.97	22.44	21.23	22.01	21.71	22.49	22.96
8H	4H	20.28	21.15	20.74	21.59	22.06	20.69	21.56	21.15	22.01	22.47
	6H	20.94	21.66	21.43	22.15	22.63	21.37	22.10	21.87	22.59	23.06
	8H	21.14	21.79	21.65	22.30	22.78	21.61	22.26	22.11	22.76	23.25
	12H	21.28	21.86	21.79	22.35	22.91	21.76	22.33	22.26	22.82	23.38
12H	4H	20.32	21.10	20.79	21.58	22.04	20.72	21.50	21.20	21.98	22.45
	6H	20.99	21.64	21.50	22.15	22.64	21.41	22.07	21.92	22.57	23.06
	8H	21.25	21.83	21.76	22.32	22.88	21.70	22.27	22.20	22.76	23.32