

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: P1584235

Luminaire Tested: 14CZSP-35-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584235
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-35-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 80CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

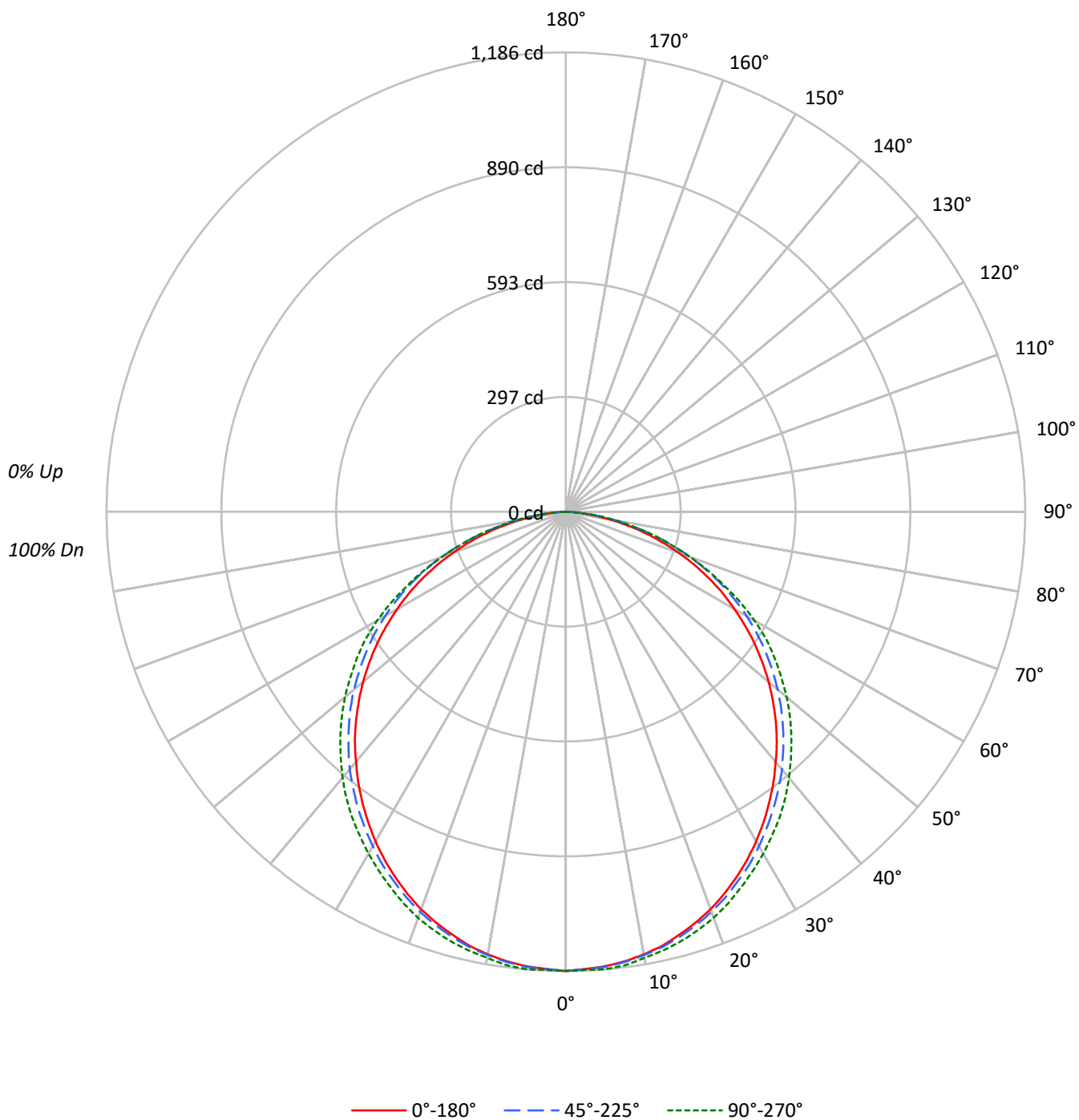
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3421.0 lumens
Efficiency: N/A
Efficacy: 147.5 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°	3995	3995	3995
5°	3983	3990	4010
10°	3970	3977	4001
15°	3945	3963	4005
20°	3917	3942	4000
25°	3873	3910	3978
30°	3824	3879	3966
35°	3767	3847	3959
40°	3707	3819	3944
45°	3654	3779	3924
50°	3584	3743	3902
55°	3497	3694	3867
60°	3390	3636	3793
65°	3259	3534	3606
70°	3057	3358	3358
75°	2747	3050	3063
80°	2263	2579	2579
85°	1570	1883	1647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	3.3
10°-20°	321.6	9.4
20°-30°	486.8	14.2
30°-40°	587.7	17.2
40°-50°	614.0	17.9
50°-60°	562.4	16.4
60°-70°	433.6	12.7
70°-80°	244.6	7.2
80°-90°	57.9	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°	920.7	26.9
0°-40°	1508.4	44.1
0°-60°	2684.8	78.5
0°-90°	3421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1186	1186	1186	1186	1186	
5°	1178	1186	1180	1182	1186	112
15°	1131	1138	1136	1145	1148	319
25°	1042	1051	1052	1066	1070	480
35°	916	928	935	955	962	573
45°	767	780	793	816	824	591
55°	595	611	629	652	658	532
65°	409	422	443	458	452	404
75°	211	227	234	240	235	224
85°	41	46	49	52	43	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1185.6	1185.6	1185.6	1185.6	1185.6
2.5°	1181.6	1189.7	1181.6	1185.6	1183.6
5°	1177.5	1185.6	1179.5	1181.6	1185.6
7.5°	1170.4	1178.5	1172.4	1175.5	1180.5
10°	1160.3	1168.4	1162.3	1167.4	1169.4
12.5°	1148.1	1155.2	1151.1	1157.2	1160.3
15°	1130.8	1137.9	1135.9	1145.0	1148.1
17.5°	1112.6	1120.7	1118.7	1129.8	1132.9
20°	1092.3	1099.4	1099.4	1109.5	1115.6
22.5°	1068.0	1076.1	1077.1	1088.2	1094.3
25°	1041.6	1050.7	1051.7	1065.9	1070.0
27.5°	1013.2	1022.3	1026.4	1041.6	1045.6
30°	982.8	991.9	997.0	1014.2	1019.3
32.5°	950.3	961.5	966.5	985.8	990.9
35°	915.8	928.0	935.1	955.4	962.5
37.5°	880.3	892.5	901.6	922.9	931.0
40°	842.8	856.0	868.2	889.5	896.6
42.5°	806.3	819.5	830.6	852.9	860.0
45°	766.7	779.9	793.1	816.4	823.5
47.5°	725.2	739.4	754.6	775.9	785.0
50°	683.6	697.8	714.0	736.3	744.4
52.5°	640.0	655.2	671.4	694.7	700.8
55°	595.3	610.6	628.8	652.1	658.2
57.5°	549.7	565.9	585.2	607.5	613.6
60°	503.0	519.3	539.6	560.9	562.9
62.5°	457.4	471.6	491.9	512.2	509.1
65°	408.7	421.9	443.2	458.4	452.3
67.5°	360.0	374.2	393.5	404.7	396.6
70°	310.3	325.6	340.8	348.9	340.8
72.5°	260.7	276.9	288.0	293.1	286.0
75°	211.0	227.2	234.3	240.4	235.3
77.5°	163.3	178.5	181.5	188.6	181.5
80°	116.6	130.8	132.9	140.0	132.9
82.5°	75.1	84.2	88.2	94.3	87.2
85°	40.6	45.6	48.7	51.7	42.6
87.5°	14.2	16.2	14.2	12.2	5.1
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	16.52	18.17	16.89	18.49	18.80	17.07	18.72	17.43	19.03	19.35
	3H	18.31	19.80	18.69	20.13	20.49	18.88	20.37	19.25	20.69	21.05
	4H	18.95	20.36	19.35	20.71	21.08	19.52	20.93	19.92	21.28	21.65
	6H	19.38	20.68	19.79	21.04	21.43	19.96	21.27	20.37	21.63	22.02
	8H	19.48	20.73	19.91	21.12	21.52	20.08	21.33	20.51	21.72	22.12
	12H	19.54	20.73	19.97	21.11	21.54	20.14	21.34	20.57	21.72	22.15
4H	2H	17.25	18.66	17.65	19.01	19.38	17.68	19.08	18.07	19.43	19.81
	3H	19.26	20.44	19.67	20.83	21.23	19.71	20.89	20.12	21.29	21.69
	4H	20.03	21.09	20.46	21.51	21.94	20.49	21.56	20.92	21.97	22.41
	6H	20.57	21.50	21.02	21.94	22.40	21.06	21.99	21.51	22.43	22.89
	8H	20.72	21.59	21.17	22.03	22.50	21.23	22.10	21.69	22.54	23.01
	12H	20.80	21.59	21.28	22.06	22.53	21.32	22.10	21.80	22.58	23.05
8H	4H	20.37	21.24	20.83	21.68	22.15	20.78	21.65	21.24	22.10	22.56
	6H	21.03	21.75	21.52	22.24	22.72	21.46	22.19	21.96	22.68	23.15
	8H	21.23	21.88	21.74	22.39	22.88	21.70	22.35	22.20	22.85	23.34
	12H	21.37	21.95	21.88	22.44	23.00	21.85	22.42	22.35	22.91	23.47
12H	4H	20.41	21.19	20.89	21.67	22.13	20.81	21.59	21.29	22.07	22.54
	6H	21.08	21.73	21.59	22.24	22.73	21.50	22.16	22.01	22.66	23.15
	8H	21.34	21.92	21.85	22.41	22.97	21.79	22.36	22.29	22.85	23.41