

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: P1584545

Luminaire Tested: 14CZSP-A-35-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584545
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

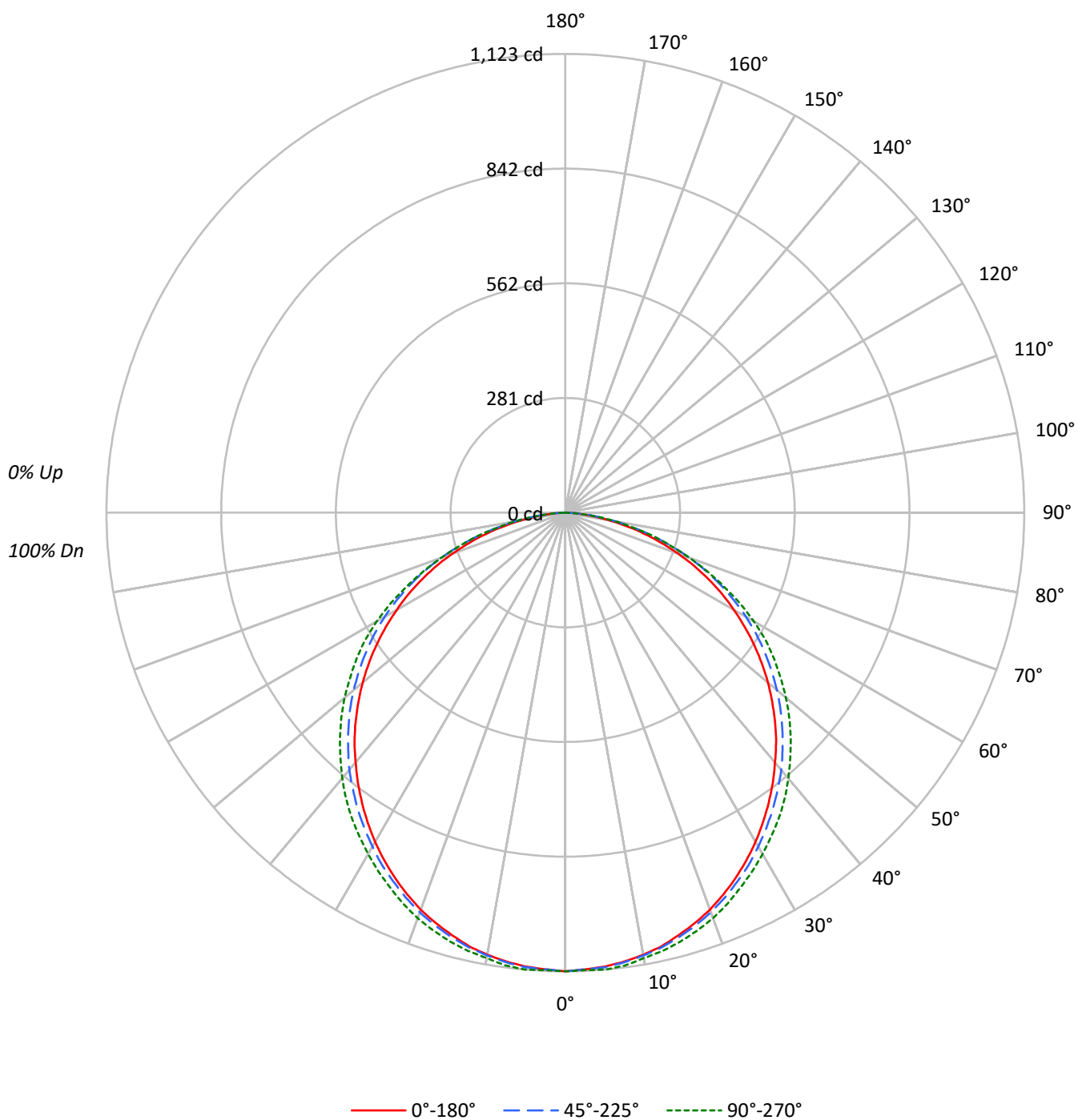
Lumens per Lamp: N/A
Luminaire Lumens: 3240.0 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3784	3784	3784
5°	3772	3779	3798
10°	3760	3766	3789
15°	3736	3753	3793
20°	3710	3734	3789
25°	3668	3703	3768
30°	3622	3674	3756
35°	3568	3643	3750
40°	3511	3617	3735
45°	3461	3579	3717
50°	3394	3545	3696
55°	3312	3498	3662
60°	3211	3444	3593
65°	3086	3347	3416
70°	2895	3179	3179
75°	2601	2889	2901
80°	2144	2441	2441
85°	1485	1782	1558

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	3.3
10°-20°	304.6	9.4
20°-30°	461.0	14.2
30°-40°	556.6	17.2
40°-50°	581.5	17.9
50°-60°	532.7	16.4
60°-70°	410.7	12.7
70°-80°	231.7	7.2
80°-90°	54.8	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°	872.0	26.9
0°-40°	1428.6	44.1
0°-60°	2542.7	78.5
0°-90°	3240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1115	1123	1117	1119	1123	106
15°	1071	1078	1076	1084	1087	302
25°	986	995	996	1010	1013	455
35°	867	879	886	905	912	543
45°	726	739	751	773	780	560
55°	564	578	596	618	623	504
65°	387	400	420	434	428	383
75°	200	215	222	228	223	212
85°	38	43	46	49	40	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1119.0	1126.7	1119.0	1122.9	1121.0
5°	1115.2	1122.9	1117.1	1119.0	1122.9
7.5°	1108.5	1116.2	1110.4	1113.3	1118.1
10°	1098.9	1106.6	1100.8	1105.6	1107.5
12.5°	1087.3	1094.1	1090.2	1096.0	1098.9
15°	1071.0	1077.7	1075.8	1084.5	1087.3
17.5°	1053.7	1061.4	1059.5	1070.0	1072.9
20°	1034.5	1041.2	1041.2	1050.8	1056.6
22.5°	1011.5	1019.1	1020.1	1030.7	1036.4
25°	986.5	995.1	996.1	1009.5	1013.4
27.5°	959.6	968.2	972.1	986.5	990.3
30°	930.8	939.4	944.2	960.5	965.3
32.5°	900.0	910.6	915.4	933.7	938.5
35°	867.4	878.9	885.6	904.8	911.6
37.5°	833.8	845.3	853.9	874.1	881.8
40°	798.2	810.7	822.2	842.4	849.1
42.5°	763.6	776.1	786.7	807.8	814.5
45°	726.2	738.7	751.1	773.2	780.0
47.5°	686.8	700.2	714.6	734.8	743.5
50°	647.4	660.9	676.2	697.4	705.0
52.5°	606.1	620.5	635.9	658.0	663.7
55°	563.8	578.2	595.5	617.6	623.4
57.5°	520.6	536.0	554.2	575.4	581.1
60°	476.4	491.8	511.0	531.2	533.1
62.5°	433.2	446.7	465.9	485.1	482.2
65°	387.1	399.6	419.8	434.2	428.4
67.5°	341.0	354.4	372.7	383.3	375.6
70°	293.9	308.3	322.7	330.4	322.7
72.5°	246.9	262.2	272.8	277.6	270.9
75°	199.8	215.2	221.9	227.6	222.8
77.5°	154.6	169.1	171.9	178.7	171.9
80°	110.5	123.9	125.8	132.6	125.8
82.5°	71.1	79.7	83.6	89.3	82.6
85°	38.4	43.2	46.1	49.0	40.3
87.5°	13.4	15.4	13.4	11.5	4.8
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	16.34	17.99	16.70	18.30	18.61	16.88	18.53	17.24	18.84	19.16
	3H	18.12	19.62	18.50	19.94	20.30	18.69	20.18	19.06	20.51	20.87
	4H	18.76	20.17	19.16	20.52	20.89	19.33	20.74	19.73	21.09	21.46
	6H	19.19	20.49	19.60	20.86	21.25	19.77	21.08	20.18	21.44	21.83
	8H	19.30	20.54	19.72	20.93	21.33	19.89	21.14	20.32	21.53	21.93
	12H	19.35	20.54	19.78	20.93	21.35	19.95	21.15	20.38	21.53	21.96
4H	2H	17.06	18.47	17.46	18.82	19.19	17.49	18.89	17.89	19.24	19.62
	3H	19.07	20.25	19.48	20.65	21.05	19.52	20.70	19.93	21.10	21.50
	4H	19.84	20.91	20.27	21.32	21.75	20.30	21.37	20.73	21.78	22.22
	6H	20.38	21.32	20.83	21.76	22.21	20.87	21.80	21.32	22.25	22.70
	8H	20.53	21.40	20.99	21.84	22.31	21.04	21.91	21.50	22.35	22.82
	12H	20.61	21.40	21.09	21.87	22.34	21.13	21.91	21.61	22.39	22.86
8H	4H	20.18	21.05	20.64	21.50	21.96	20.59	21.47	21.05	21.91	22.37
	6H	20.84	21.56	21.33	22.05	22.53	21.27	22.00	21.77	22.49	22.96
	8H	21.04	21.70	21.55	22.20	22.69	21.51	22.16	22.02	22.66	23.15
	12H	21.18	21.76	21.69	22.25	22.81	21.66	22.23	22.16	22.72	23.28
12H	4H	20.22	21.00	20.70	21.48	21.95	20.62	21.40	21.10	21.88	22.35
	6H	20.89	21.55	21.40	22.05	22.54	21.31	21.97	21.82	22.47	22.96
	8H	21.15	21.73	21.66	22.22	22.78	21.60	22.17	22.11	22.66	23.22