

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: P1584547

Luminaire Tested: 14CZSP-A-35-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584547
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

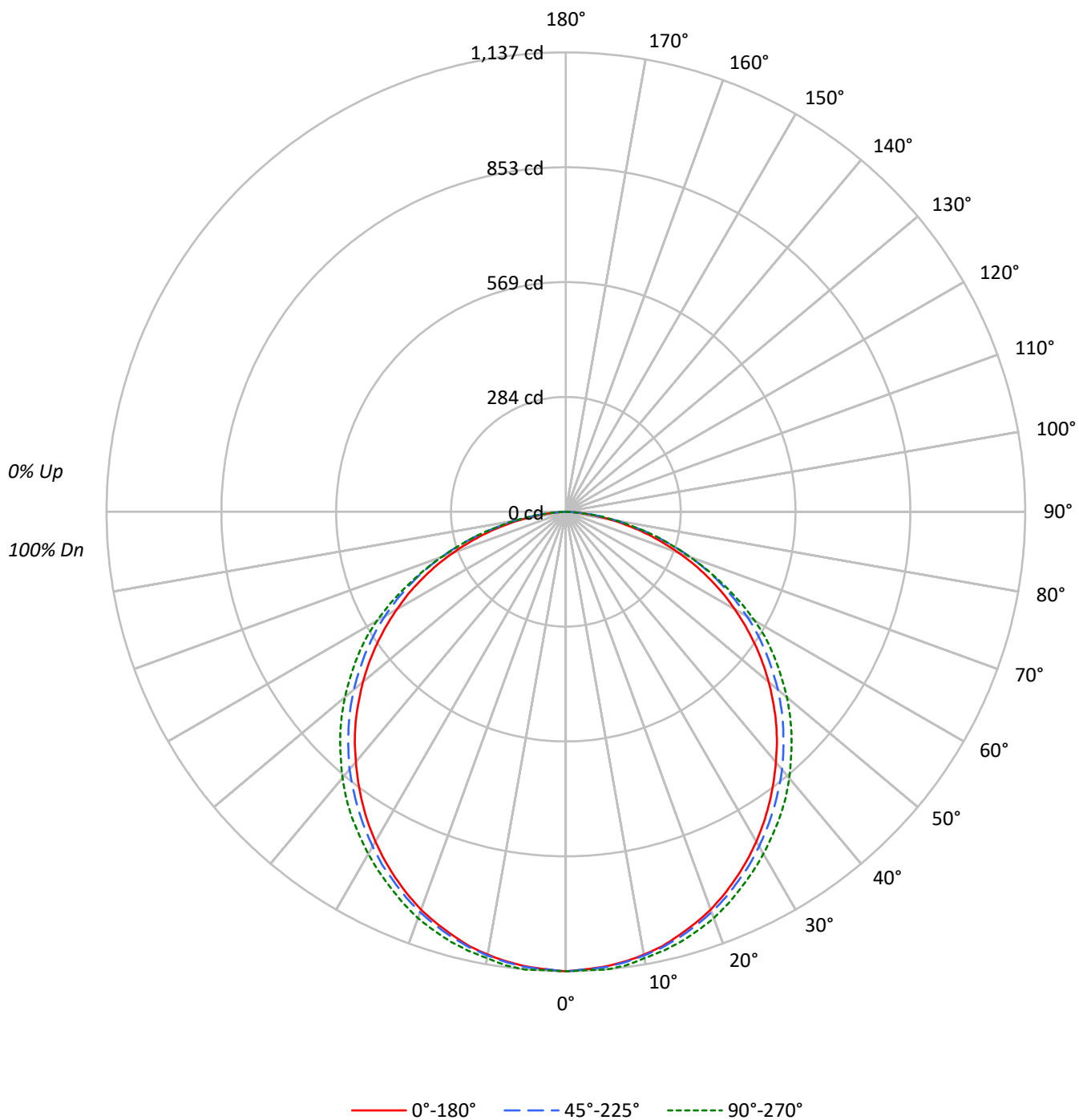
Lumens per Lamp: N/A
Luminaire Lumens: 3282.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	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	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	29		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°	3833	3833	3833
5°	3821	3828	3847
10°	3809	3815	3839
15°	3785	3802	3842
20°	3758	3782	3838
25°	3715	3751	3816
30°	3668	3722	3805
35°	3614	3690	3798
40°	3557	3664	3783
45°	3505	3626	3765
50°	3438	3591	3744
55°	3356	3544	3710
60°	3252	3488	3639
65°	3126	3390	3460
70°	2933	3221	3221
75°	2635	2927	2938
80°	2171	2474	2474
85°	1504	1805	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3765 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	3.3
10°-20°	308.6	9.4
20°-30°	467.0	14.2
30°-40°	563.8	17.2
40°-50°	589.0	17.9
50°-60°	539.6	16.4
60°-70°	416.0	12.7
70°-80°	234.7	7.2
80°-90°	55.6	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°	883.3	26.9
0°-40°	1447.1	44.1
0°-60°	2575.7	78.5
0°-90°	3282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1137	1137	1137	1137	1137	
5°	1130	1137	1132	1134	1137	107
15°	1085	1092	1090	1098	1101	306
25°	999	1008	1009	1023	1026	460
35°	879	890	897	917	923	550
45°	736	748	761	783	790	567
55°	571	586	603	626	632	510
65°	392	405	425	440	434	388
75°	202	218	225	231	226	215
85°	39	44	47	50	41	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1137.4	1137.4	1137.4	1137.4	1137.4
2.5°	1133.5	1141.3	1133.5	1137.4	1135.5
5°	1129.7	1137.4	1131.6	1133.5	1137.4
7.5°	1122.8	1130.6	1124.8	1127.7	1132.6
10°	1113.1	1120.9	1115.1	1119.9	1121.9
12.5°	1101.4	1108.2	1104.4	1110.2	1113.1
15°	1084.9	1091.7	1089.8	1098.5	1101.4
17.5°	1067.4	1075.2	1073.2	1083.9	1086.8
20°	1047.9	1054.7	1054.7	1064.5	1070.3
22.5°	1024.6	1032.4	1033.3	1044.0	1049.9
25°	999.3	1008.0	1009.0	1022.6	1026.5
27.5°	972.0	980.8	984.7	999.3	1003.2
30°	942.8	951.6	956.5	973.0	977.9
32.5°	911.7	922.4	927.3	945.8	950.6
35°	878.6	890.3	897.1	916.6	923.4
37.5°	844.6	856.2	865.0	885.4	893.2
40°	808.6	821.2	832.9	853.3	860.1
42.5°	773.5	786.2	796.9	818.3	825.1
45°	735.6	748.2	760.9	783.3	790.1
47.5°	695.7	709.3	723.9	744.3	753.1
50°	655.8	669.4	685.0	706.4	714.2
52.5°	614.0	628.6	644.1	666.5	672.3
55°	571.2	585.7	603.3	625.6	631.5
57.5°	527.4	542.9	561.4	582.8	588.7
60°	482.6	498.2	517.6	538.1	540.0
62.5°	438.8	452.4	471.9	491.4	488.4
65°	392.1	404.8	425.2	439.8	434.0
67.5°	345.4	359.0	377.5	388.2	380.4
70°	297.7	312.3	326.9	334.7	326.9
72.5°	250.1	265.6	276.3	281.2	274.4
75°	202.4	218.0	224.8	230.6	225.7
77.5°	156.7	171.2	174.2	181.0	174.2
80°	111.9	125.5	127.5	134.3	127.5
82.5°	72.0	80.8	84.7	90.5	83.7
85°	38.9	43.8	46.7	49.6	40.9
87.5°	13.6	15.6	13.6	11.7	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	16.38	18.03	16.74	18.34	18.66	16.92	18.57	17.29	18.89	19.20
	3H	18.17	19.66	18.54	19.99	20.35	18.73	20.22	19.11	20.55	20.91
	4H	18.81	20.21	19.21	20.56	20.94	19.38	20.78	19.77	21.13	21.51
	6H	19.23	20.54	19.64	20.90	21.29	19.82	21.12	20.23	21.48	21.88
	8H	19.34	20.59	19.76	20.97	21.37	19.94	21.19	20.36	21.57	21.97
	12H	19.39	20.59	19.82	20.97	21.40	20.00	21.19	20.43	21.57	22.00
4H	2H	17.11	18.51	17.50	18.86	19.24	17.53	18.94	17.93	19.29	19.66
	3H	19.11	20.29	19.52	20.69	21.09	19.57	20.75	19.98	21.15	21.55
	4H	19.88	20.95	20.31	21.36	21.80	20.35	21.42	20.78	21.83	22.26
	6H	20.43	21.36	20.88	21.80	22.25	20.92	21.85	21.37	22.29	22.74
	8H	20.57	21.44	21.03	21.89	22.35	21.08	21.96	21.54	22.40	22.86
	12H	20.66	21.44	21.14	21.92	22.38	21.17	21.96	21.65	22.43	22.90
8H	4H	20.22	21.10	20.68	21.54	22.00	20.64	21.51	21.10	21.95	22.42
	6H	20.88	21.61	21.38	22.10	22.57	21.32	22.04	21.81	22.53	23.01
	8H	21.09	21.74	21.60	22.25	22.73	21.55	22.20	22.06	22.71	23.19
	12H	21.23	21.80	21.73	22.29	22.85	21.70	22.28	22.21	22.77	23.33
12H	4H	20.26	21.05	20.74	21.52	21.99	20.66	21.45	21.14	21.92	22.39
	6H	20.94	21.59	21.45	22.10	22.58	21.36	22.01	21.87	22.52	23.00
	8H	21.20	21.77	21.70	22.26	22.82	21.64	22.22	22.15	22.71	23.27