

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: P1585636

Luminaire Tested: 14CZSP-SB-35-L840-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-35-L840-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

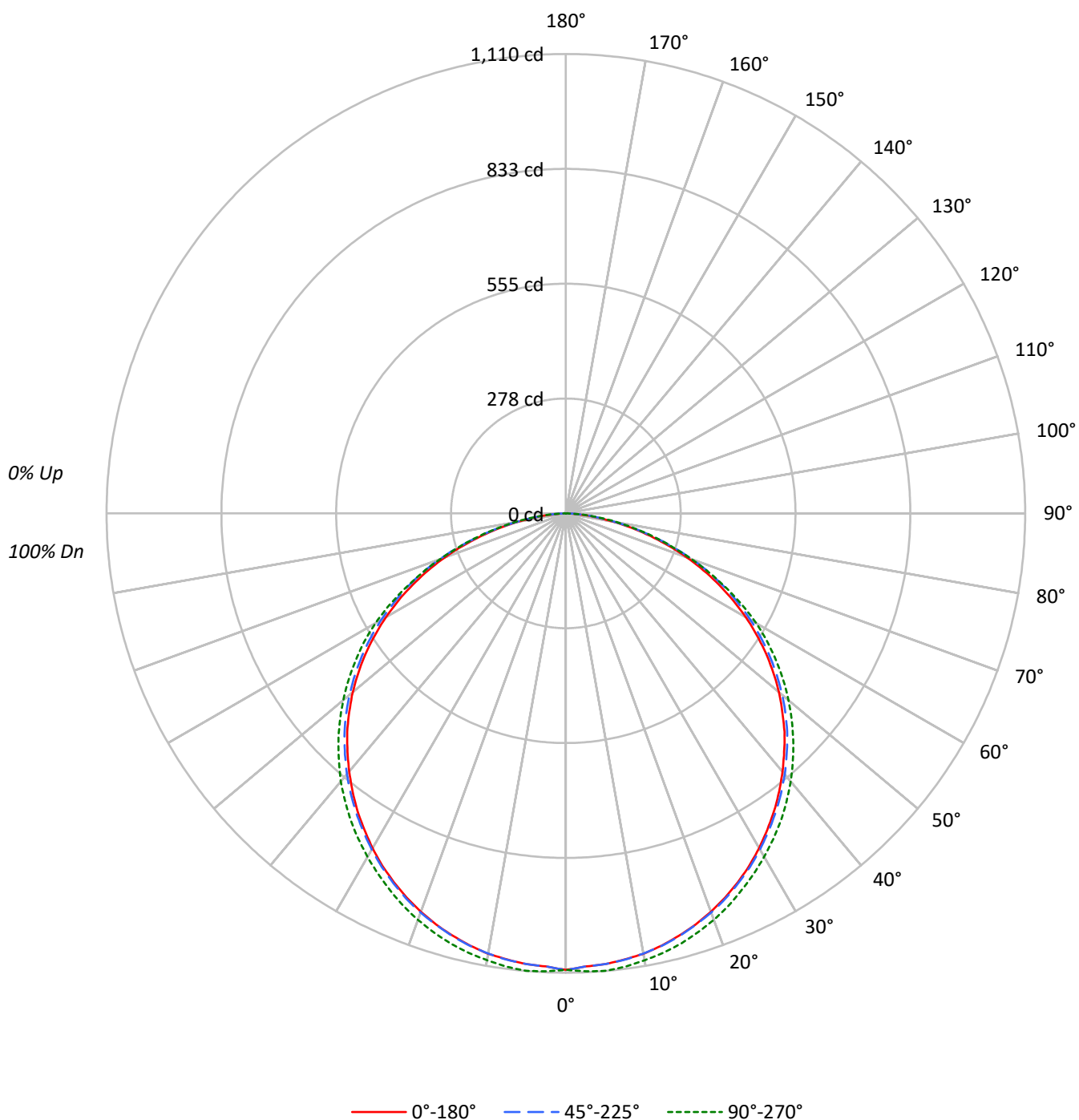
Lumens per Lamp: N/A
Luminaire Lumens: 3255.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3717	3717	3717
5°	3699	3697	3753
10°	3697	3696	3752
15°	3686	3689	3754
20°	3674	3682	3748
25°	3656	3665	3736
30°	3634	3650	3729
35°	3610	3633	3727
40°	3582	3620	3720
45°	3560	3605	3705
50°	3525	3579	3682
55°	3470	3534	3645
60°	3386	3473	3581
65°	3259	3382	3417
70°	3064	3207	3187
75°	2751	2868	2888
80°	2272	2389	2515
85°	1523	1775	1867

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	3.2
10°-20°	300.5	9.2
20°-30°	457.6	14.1
30°-40°	556.9	17.1
40°-50°	587.1	18.0
50°-60°	540.7	16.6
60°-70°	417.6	12.8
70°-80°	233.7	7.2
80°-90°	56.3	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°	862.6	26.5
0°-40°	1419.5	43.6
0°-60°	2547.4	78.3
0°-90°	3255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1103	1103	1103	1103	1103	
5°	1094	1109	1093	1094	1110	104
15°	1057	1071	1058	1064	1076	298
25°	983	997	986	992	1005	453
35°	878	891	883	894	906	549
45°	747	758	757	768	778	576
55°	591	601	602	614	620	527
65°	409	421	424	428	429	404
75°	211	224	220	220	222	224
85°	39	43	46	51	48	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1103.0	1103.0	1103.0	1103.0	1103.0
2.5°	1096.0	1112.0	1096.0	1098.5	1107.5
5°	1093.5	1109.0	1093.0	1094.5	1109.5
7.5°	1087.1	1103.0	1088.0	1090.0	1104.5
10°	1080.6	1095.0	1080.1	1082.6	1096.5
12.5°	1069.6	1084.6	1070.6	1073.6	1087.5
15°	1056.6	1071.1	1057.6	1063.6	1076.1
17.5°	1041.7	1055.7	1042.7	1049.7	1061.6
20°	1024.7	1038.2	1026.7	1031.7	1045.2
22.5°	1004.8	1018.8	1007.8	1012.3	1026.7
25°	983.4	997.3	985.9	992.4	1004.8
27.5°	960.0	973.4	963.4	971.4	982.4
30°	934.0	947.0	938.0	947.5	958.5
32.5°	906.1	920.1	911.1	922.1	933.0
35°	877.7	890.7	883.2	894.2	906.1
37.5°	846.8	859.3	853.8	865.3	876.2
40°	814.4	828.4	822.9	834.9	845.8
42.5°	781.0	794.5	790.0	802.5	811.9
45°	747.1	757.6	756.6	768.1	777.5
47.5°	709.7	722.7	720.7	732.2	740.6
50°	672.4	682.8	682.8	693.8	702.3
52.5°	632.0	642.5	642.5	655.4	662.4
55°	590.6	600.6	601.6	614.1	620.5
57.5°	546.8	557.2	559.2	571.7	577.7
60°	502.4	512.4	515.4	527.8	531.3
62.5°	456.1	468.0	469.5	479.5	481.5
65°	408.7	420.7	424.2	428.1	428.6
67.5°	360.4	372.8	376.3	376.3	376.3
70°	311.0	322.5	325.5	323.5	323.5
72.5°	261.2	273.6	272.1	270.1	271.1
75°	211.3	224.3	220.3	219.8	221.8
77.5°	163.5	175.9	169.5	173.4	173.9
80°	117.1	126.6	123.1	129.1	129.6
82.5°	75.3	81.2	82.2	87.2	85.7
85°	39.4	43.4	45.9	51.3	48.3
87.5°	12.5	16.4	15.0	17.4	13.5
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	16.60	18.25	16.96	18.57	18.88	16.81	18.47	17.18	18.78	19.10
	3H	18.42	19.92	18.79	20.24	20.60	18.61	20.11	18.99	20.44	20.80
	4H	19.06	20.48	19.46	20.82	21.20	19.25	20.66	19.65	21.01	21.39
	6H	19.49	20.80	19.90	21.16	21.56	19.70	21.01	20.11	21.38	21.77
	8H	19.60	20.85	20.02	21.24	21.64	19.84	21.09	20.26	21.48	21.87
	12H	19.65	20.85	20.08	21.24	21.66	19.91	21.11	20.34	21.49	21.92
4H	2H	17.28	18.69	17.67	19.03	19.41	17.45	18.86	17.84	19.20	19.58
	3H	19.32	20.50	19.73	20.90	21.30	19.46	20.64	19.87	21.04	21.44
	4H	20.10	21.17	20.53	21.58	22.02	20.22	21.29	20.65	21.70	22.14
	6H	20.65	21.58	21.10	22.02	22.48	20.79	21.73	21.24	22.17	22.62
	8H	20.79	21.67	21.25	22.11	22.58	20.97	21.84	21.42	22.28	22.75
	12H	20.88	21.66	21.35	22.14	22.61	21.08	21.87	21.56	22.34	22.81
8H	4H	20.40	21.28	20.86	21.72	22.19	20.51	21.39	20.97	21.83	22.30
	6H	21.06	21.79	21.56	22.28	22.75	21.19	21.92	21.69	22.41	22.88
	8H	21.27	21.92	21.78	22.43	22.91	21.43	22.09	21.94	22.59	23.08
	12H	21.40	21.98	21.91	22.47	23.03	21.61	22.19	22.11	22.68	23.24
12H	4H	20.43	21.22	20.91	21.70	22.17	20.54	21.33	21.02	21.80	22.27
	6H	21.11	21.76	21.62	22.27	22.75	21.23	21.89	21.74	22.40	22.88
	8H	21.36	21.94	21.87	22.43	22.99	21.52	22.10	22.03	22.59	23.15