

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: P1585647

Luminaire Tested: 14CZSP-SB-35-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-35-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

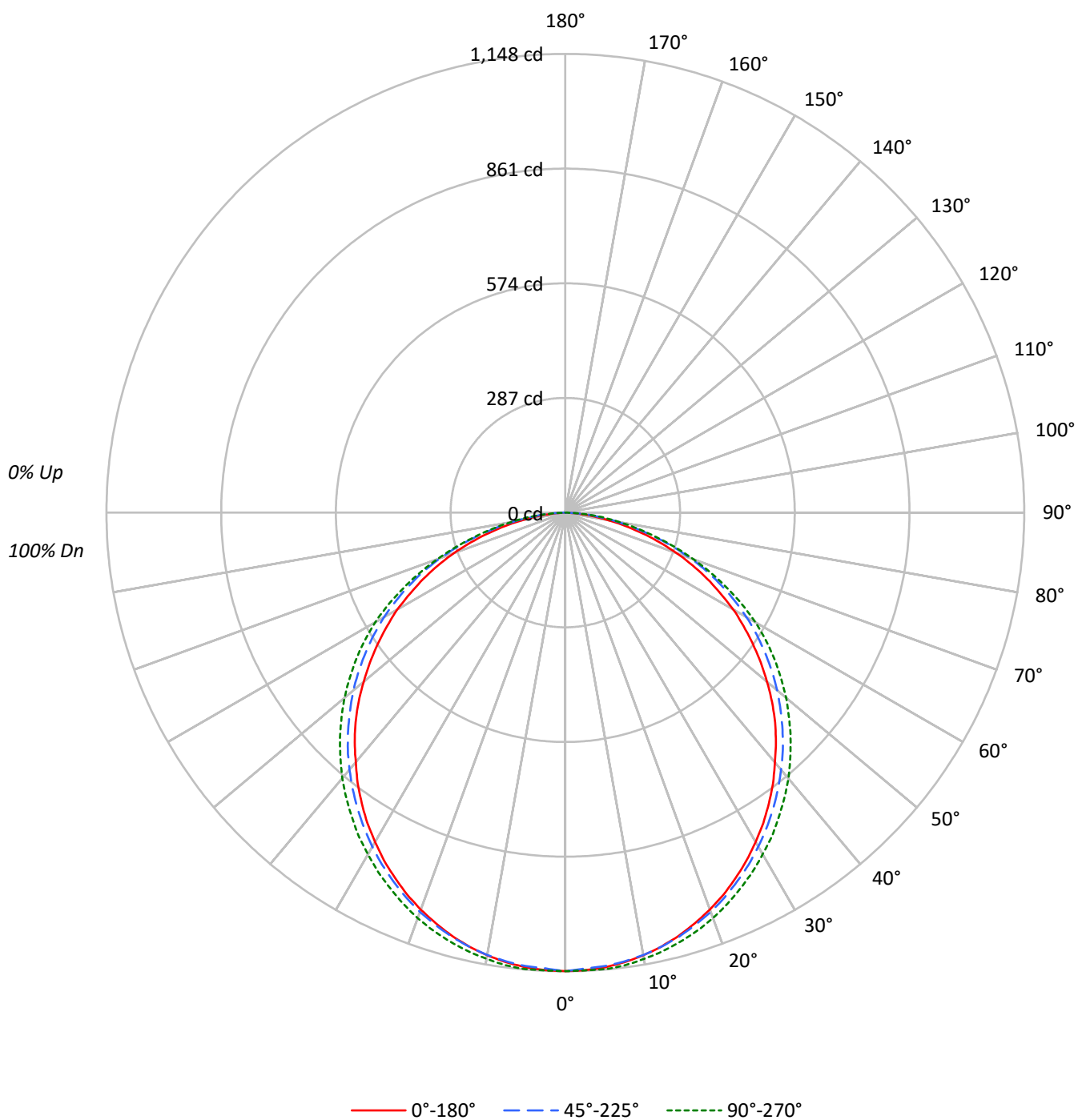
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3315.0 lumens
Efficiency: N/A
Efficacy: 142.9 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	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	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	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		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°	3867	3867	3867
5°	3863	3854	3880
10°	3849	3846	3880
15°	3825	3833	3878
20°	3791	3813	3872
25°	3750	3785	3856
30°	3703	3757	3842
35°	3652	3726	3828
40°	3588	3694	3818
45°	3536	3661	3798
50°	3452	3627	3780
55°	3363	3579	3750
60°	3273	3527	3700
65°	3125	3434	3560
70°	2917	3279	3359
75°	2599	2972	3058
80°	2123	2575	2705
85°	1403	2049	2196

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	3.3
10°-20°	311.3	9.4
20°-30°	471.3	14.2
30°-40°	568.9	17.2
40°-50°	594.1	17.9
50°-60°	543.5	16.4
60°-70°	420.2	12.7
70°-80°	237.9	7.2
80°-90°	59.1	1.8
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°	891.3	26.9
0°-40°	1460.2	44.0
0°-60°	2597.8	78.4
0°-90°	3315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1142	1150	1139	1140	1147	108
15°	1096	1106	1099	1104	1112	309
25°	1008	1021	1018	1028	1037	465
35°	888	900	906	921	931	555
45°	742	756	768	788	797	572
55°	572	590	609	628	638	512
65°	392	408	431	444	446	387
75°	200	217	228	234	235	212
85°	36	42	53	55	57	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1147.5	1147.5	1147.5	1147.5	1147.5
2.5°	1146.0	1154.1	1141.7	1144.1	1146.5
5°	1142.2	1150.3	1139.3	1140.3	1147.0
7.5°	1135.0	1144.1	1132.7	1134.6	1142.7
10°	1125.0	1134.1	1124.1	1126.0	1134.1
12.5°	1112.1	1121.2	1112.6	1115.5	1124.5
15°	1096.4	1105.9	1098.8	1104.0	1111.6
17.5°	1077.3	1089.2	1081.6	1089.7	1097.3
20°	1057.2	1069.1	1063.4	1070.6	1079.7
22.5°	1034.3	1046.2	1041.9	1049.6	1059.6
25°	1008.5	1021.4	1018.1	1027.6	1037.2
27.5°	981.8	994.2	993.2	1003.7	1013.8
30°	951.7	965.1	965.5	977.9	987.5
32.5°	921.6	933.5	936.4	950.2	961.2
35°	887.7	900.1	905.8	921.1	930.7
37.5°	853.3	867.2	873.4	890.1	900.1
40°	815.6	831.3	839.9	857.6	868.1
42.5°	779.8	794.1	805.6	823.2	832.8
45°	742.1	756.4	768.3	787.9	797.0
47.5°	701.5	717.2	730.1	749.2	759.2
50°	658.5	675.7	691.9	710.5	721.0
52.5°	616.0	632.7	651.3	669.5	680.0
55°	572.5	589.7	609.3	628.4	638.4
57.5°	528.6	545.8	567.3	584.5	595.0
60°	485.6	501.4	523.4	540.5	549.1
62.5°	436.9	455.1	477.5	494.7	499.5
65°	392.0	408.3	430.7	443.6	446.5
67.5°	344.3	360.5	383.0	390.1	394.4
70°	296.1	313.2	332.8	337.6	340.9
72.5°	247.4	265.0	280.3	285.1	287.9
75°	199.6	216.8	228.3	234.0	234.9
77.5°	153.3	169.0	179.5	186.2	186.2
80°	109.4	121.3	132.7	139.9	139.4
82.5°	69.7	78.8	90.7	96.0	99.3
85°	36.3	42.0	53.0	55.4	56.8
87.5°	11.5	14.8	19.1	15.8	15.3
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	17.28	18.88	19.20
	3H	18.15	19.65	18.53	19.97	20.33	18.78	20.27	19.16	20.60	20.96
	4H	18.78	20.18	19.17	20.53	20.91	19.45	20.86	19.85	21.21	21.58
	6H	19.18	20.49	19.59	20.85	21.24	19.94	21.24	20.35	21.61	22.00
	8H	19.28	20.53	19.71	20.92	21.32	20.09	21.34	20.52	21.73	22.13
	12H	19.33	20.52	19.76	20.91	21.33	20.19	21.39	20.62	21.77	22.20
4H	2H	17.12	18.53	17.52	18.87	19.25	17.54	18.95	17.94	19.29	19.67
	3H	19.11	20.29	19.52	20.69	21.09	19.62	20.80	20.03	21.20	21.60
	4H	19.86	20.93	20.29	21.34	21.78	20.42	21.49	20.85	21.90	22.34
	6H	20.38	21.31	20.83	21.75	22.21	21.03	21.97	21.49	22.41	22.86
	8H	20.51	21.39	20.97	21.83	22.29	21.24	22.11	21.70	22.55	23.02
	12H	20.59	21.38	21.07	21.85	22.32	21.38	22.16	21.86	22.64	23.11
8H	4H	20.21	21.09	20.67	21.53	22.00	20.71	21.58	21.17	22.03	22.49
	6H	20.85	21.57	21.34	22.06	22.54	21.44	22.17	21.93	22.66	23.13
	8H	21.04	21.69	21.55	22.20	22.68	21.71	22.37	22.22	22.87	23.36
	12H	21.17	21.74	21.67	22.23	22.79	21.92	22.50	22.43	22.99	23.55
12H	4H	20.26	21.04	20.73	21.52	21.99	20.73	21.52	21.21	21.99	22.46
	6H	20.91	21.56	21.42	22.07	22.56	21.48	22.14	21.99	22.64	23.13
	8H	21.16	21.74	21.67	22.23	22.79	21.81	22.39	22.32	22.88	23.44