

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: P1585646

Luminaire Tested: 14CZSP-SB-35-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585646
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-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

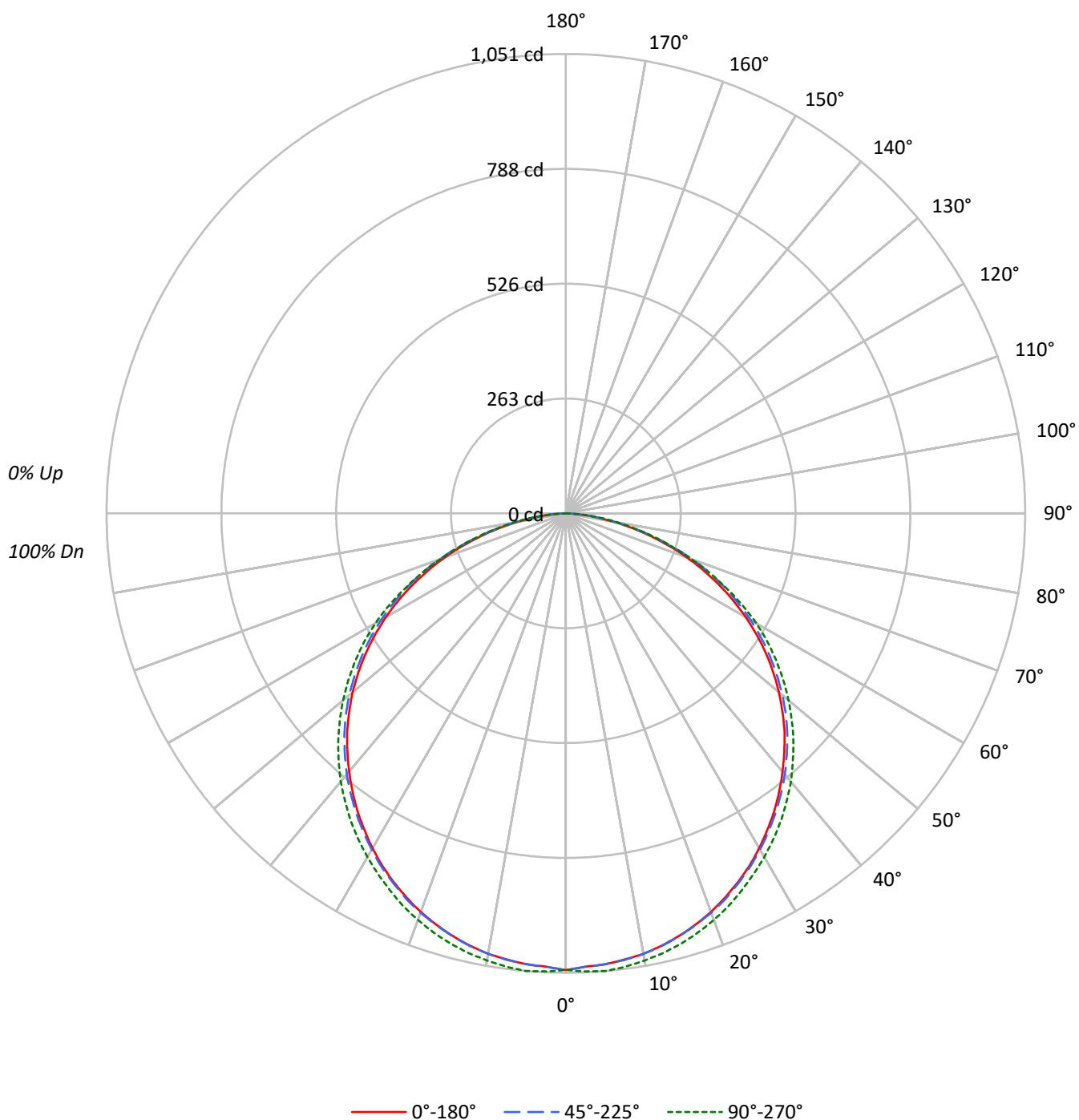
Lumens per Lamp: N/A
Luminaire Lumens: 3083.0 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3520	3520	3520
5°	3503	3502	3555
10°	3502	3500	3554
15°	3491	3495	3555
20°	3480	3487	3550
25°	3463	3472	3538
30°	3442	3457	3532
35°	3420	3441	3530
40°	3393	3428	3524
45°	3372	3415	3509
50°	3338	3391	3487
55°	3286	3347	3453
60°	3207	3289	3391
65°	3086	3203	3237
70°	2902	3037	3019
75°	2606	2717	2735
80°	2152	2263	2381
85°	1442	1678	1771

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	3.2
10°-20°	284.6	9.2
20°-30°	433.4	14.1
30°-40°	527.5	17.1
40°-50°	556.1	18.0
50°-60°	512.2	16.6
60°-70°	395.5	12.8
70°-80°	221.4	7.2
80°-90°	53.3	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°	817.0	26.5
0°-40°	1344.5	43.6
0°-60°	2412.7	78.3
0°-90°	3083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1045	1045	1045	1045	1045	
5°	1036	1050	1035	1037	1051	98
15°	1001	1014	1002	1007	1019	283
25°	931	945	934	940	952	429
35°	831	844	836	847	858	520
45°	708	718	717	728	736	545
55°	559	569	570	582	588	499
65°	387	398	402	406	406	382
75°	200	212	209	208	210	212
85°	37	41	43	49	46	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1044.7	1044.7	1044.7	1044.7	1044.7
2.5°	1038.1	1053.2	1038.1	1040.5	1049.0
5°	1035.7	1050.4	1035.3	1036.7	1050.9
7.5°	1029.6	1044.7	1030.6	1032.4	1046.1
10°	1023.5	1037.2	1023.0	1025.4	1038.6
12.5°	1013.1	1027.2	1014.0	1016.9	1030.1
15°	1000.8	1014.5	1001.8	1007.4	1019.2
17.5°	986.6	999.9	987.6	994.2	1005.5
20°	970.6	983.3	972.5	977.2	990.0
22.5°	951.7	964.9	954.5	958.8	972.5
25°	931.4	944.6	933.8	939.9	951.7
27.5°	909.2	922.0	912.5	920.1	930.5
30°	884.7	897.0	888.5	897.4	907.8
32.5°	858.2	871.5	863.0	873.4	883.7
35°	831.3	843.6	836.5	846.9	858.2
37.5°	802.1	813.9	808.7	819.5	829.9
40°	771.4	784.6	779.4	790.7	801.1
42.5°	739.8	752.5	748.2	760.1	769.0
45°	707.6	717.6	716.6	727.5	736.4
47.5°	672.2	684.5	682.6	693.5	701.5
50°	636.8	646.8	646.8	657.1	665.2
52.5°	598.6	608.5	608.5	620.8	627.4
55°	559.4	568.9	569.8	581.6	587.7
57.5°	517.9	527.8	529.7	541.5	547.1
60°	475.9	485.3	488.1	499.9	503.2
62.5°	432.0	443.3	444.7	454.1	456.0
65°	387.1	398.4	401.7	405.5	406.0
67.5°	341.3	353.1	356.4	356.4	356.4
70°	294.6	305.4	308.3	306.4	306.4
72.5°	247.4	259.2	257.8	255.9	256.8
75°	200.2	212.4	208.7	208.2	210.1
77.5°	154.8	166.6	160.5	164.3	164.8
80°	110.9	119.9	116.6	122.3	122.7
82.5°	71.3	76.9	77.9	82.6	81.2
85°	37.3	41.1	43.4	48.6	45.8
87.5°	11.8	15.6	14.2	16.5	12.7
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	16.41	18.06	16.77	18.38	18.69	16.62	18.28	16.99	18.59	18.91
	3H	18.23	19.73	18.61	20.05	20.41	18.42	19.92	18.80	20.25	20.61
	4H	18.87	20.29	19.27	20.63	21.01	19.06	20.47	19.46	20.82	21.20
	6H	19.30	20.61	19.71	20.98	21.37	19.52	20.82	19.93	21.19	21.58
	8H	19.41	20.66	19.84	21.05	21.45	19.65	20.90	20.07	21.29	21.68
	12H	19.47	20.66	19.89	21.05	21.47	19.72	20.92	20.15	21.30	21.73
4H	2H	17.09	18.50	17.48	18.85	19.22	17.26	18.67	17.65	19.02	19.39
	3H	19.13	20.31	19.54	20.71	21.11	19.27	20.46	19.68	20.85	21.25
	4H	19.91	20.98	20.34	21.39	21.83	20.03	21.10	20.46	21.51	21.95
	6H	20.46	21.39	20.91	21.83	22.29	20.60	21.54	21.06	21.98	22.43
	8H	20.60	21.48	21.06	21.92	22.39	20.78	21.65	21.24	22.10	22.56
	12H	20.69	21.48	21.17	21.95	22.42	20.89	21.68	21.37	22.15	22.62
8H	4H	20.21	21.09	20.67	21.53	22.00	20.32	21.20	20.78	21.64	22.11
	6H	20.87	21.60	21.37	22.09	22.56	21.00	21.73	21.50	22.22	22.70
	8H	21.08	21.73	21.59	22.24	22.72	21.24	21.90	21.75	22.40	22.89
	12H	21.21	21.79	21.72	22.28	22.84	21.42	22.00	21.93	22.49	23.05
12H	4H	20.25	21.03	20.72	21.51	21.98	20.35	21.14	20.83	21.61	22.08
	6H	20.92	21.57	21.43	22.08	22.57	21.05	21.70	21.55	22.21	22.69
	8H	21.18	21.75	21.68	22.24	22.80	21.34	21.91	21.84	22.40	22.96