

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: P1585662

Luminaire Tested: 14CZSP-SB-37HE-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585662
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-37HE-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

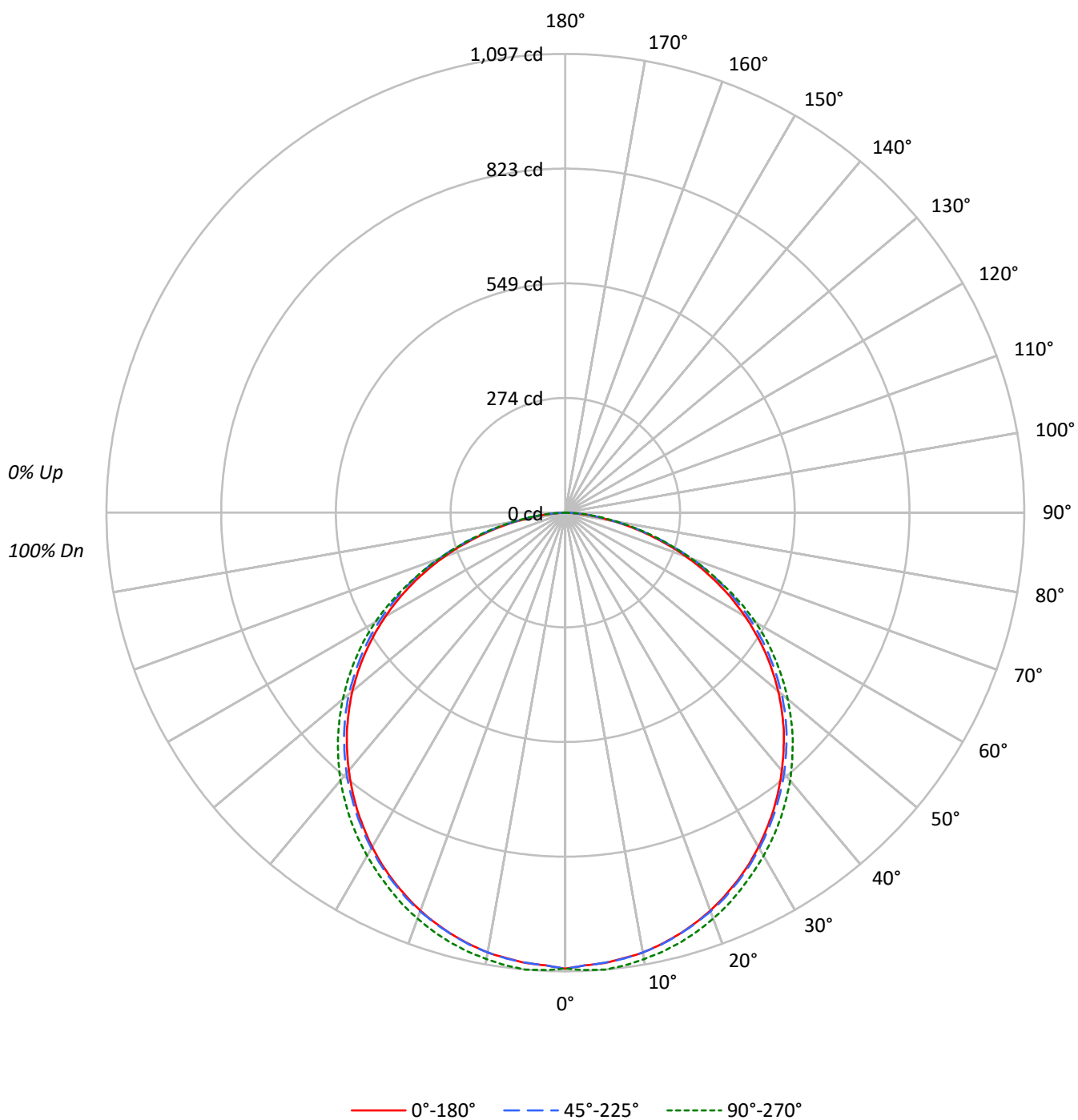
Lumens per Lamp: N/A
Luminaire Lumens: 3218.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3675	3675	3675
5°	3657	3655	3710
10°	3655	3654	3709
15°	3644	3648	3711
20°	3633	3640	3705
25°	3615	3624	3693
30°	3593	3608	3687
35°	3569	3592	3685
40°	3542	3578	3678
45°	3520	3564	3663
50°	3484	3539	3640
55°	3430	3494	3604
60°	3347	3434	3540
65°	3222	3343	3379
70°	3029	3170	3151
75°	2720	2836	2855
80°	2247	2362	2486
85°	1504	1751	1848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	3.2
10°-20°	297.1	9.2
20°-30°	452.4	14.1
30°-40°	550.6	17.1
40°-50°	580.4	18.0
50°-60°	534.6	16.6
60°-70°	412.9	12.8
70°-80°	231.0	7.2
80°-90°	55.7	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°	852.8	26.5
0°-40°	1403.4	43.6
0°-60°	2518.4	78.3
0°-90°	3218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1081	1096	1081	1082	1097	103
15°	1045	1059	1046	1052	1064	295
25°	972	986	975	981	993	448
35°	868	880	873	884	896	543
45°	739	749	748	759	769	569
55°	584	594	595	607	614	521
65°	404	416	419	423	424	399
75°	209	222	218	217	219	222
85°	39	43	45	51	48	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.5	1090.5	1090.5	1090.5	1090.5
2.5°	1083.6	1099.3	1083.6	1086.0	1094.9
5°	1081.1	1096.4	1080.6	1082.1	1096.9
7.5°	1074.7	1090.5	1075.7	1077.7	1091.9
10°	1068.3	1082.6	1067.8	1070.3	1084.1
12.5°	1057.4	1072.2	1058.4	1061.4	1075.2
15°	1044.6	1058.9	1045.6	1051.5	1063.9
17.5°	1029.9	1043.7	1030.8	1037.7	1049.6
20°	1013.1	1026.4	1015.1	1020.0	1033.3
22.5°	993.4	1007.2	996.3	1000.8	1015.1
25°	972.2	986.0	974.7	981.1	993.4
27.5°	949.0	962.3	952.5	960.4	971.2
30°	923.4	936.2	927.4	936.7	947.6
32.5°	895.8	909.6	900.8	911.6	922.4
35°	867.7	880.5	873.2	884.0	895.8
37.5°	837.2	849.5	844.1	855.4	866.3
40°	805.2	819.0	813.5	825.4	836.2
42.5°	772.1	785.4	781.0	793.3	802.7
45°	738.6	749.0	748.0	759.3	768.7
47.5°	701.7	714.5	712.5	723.9	732.2
50°	664.7	675.1	675.1	685.9	694.3
52.5°	624.8	635.2	635.2	648.0	654.9
55°	583.9	593.8	594.8	607.1	613.5
57.5°	540.5	550.9	552.9	565.2	571.1
60°	496.7	506.5	509.5	521.8	525.3
62.5°	450.9	462.7	464.2	474.0	476.0
65°	404.1	415.9	419.3	423.3	423.8
67.5°	356.3	368.6	372.0	372.0	372.0
70°	307.5	318.8	321.8	319.8	319.8
72.5°	258.2	270.5	269.0	267.1	268.1
75°	208.9	221.7	217.8	217.3	219.3
77.5°	161.6	173.9	167.5	171.5	172.0
80°	115.8	125.2	121.7	127.6	128.1
82.5°	74.4	80.3	81.3	86.2	84.8
85°	38.9	42.9	45.3	50.8	47.8
87.5°	12.3	16.3	14.8	17.2	13.3
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	16.56	18.21	16.92	18.53	18.84	16.77	18.43	17.14	18.74	19.06
	3H	18.38	19.88	18.75	20.20	20.56	18.57	20.07	18.95	20.40	20.76
	4H	19.02	20.44	19.42	20.78	21.16	19.21	20.62	19.61	20.97	21.35
	6H	19.45	20.76	19.86	21.13	21.52	19.66	20.97	20.07	21.34	21.73
	8H	19.56	20.81	19.98	21.20	21.60	19.80	21.05	20.22	21.44	21.83
	12H	19.61	20.81	20.04	21.20	21.62	19.87	21.07	20.30	21.45	21.88
4H	2H	17.24	18.65	17.63	18.99	19.37	17.41	18.82	17.80	19.16	19.54
	3H	19.28	20.46	19.69	20.86	21.26	19.42	20.60	19.83	21.00	21.40
	4H	20.06	21.13	20.49	21.54	21.98	20.18	21.25	20.61	21.66	22.10
	6H	20.61	21.54	21.06	21.98	22.44	20.75	21.69	21.20	22.13	22.58
	8H	20.75	21.63	21.21	22.07	22.54	20.93	21.80	21.39	22.25	22.71
	12H	20.84	21.62	21.31	22.10	22.57	21.04	21.83	21.52	22.30	22.77
8H	4H	20.36	21.24	20.82	21.68	22.15	20.47	21.35	20.93	21.79	22.26
	6H	21.02	21.75	21.52	22.24	22.71	21.15	21.88	21.65	22.37	22.84
	8H	21.23	21.88	21.74	22.39	22.87	21.39	22.05	21.90	22.55	23.04
	12H	21.36	21.94	21.87	22.43	22.99	21.57	22.15	22.08	22.64	23.20
12H	4H	20.39	21.18	20.87	21.66	22.13	20.50	21.29	20.98	21.76	22.23
	6H	21.07	21.72	21.58	22.23	22.71	21.19	21.85	21.70	22.36	22.84
	8H	21.32	21.90	21.83	22.39	22.95	21.49	22.06	21.99	22.55	23.11