

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: P1585652

Luminaire Tested: 14CZSP-SB-37HE-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585652
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-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

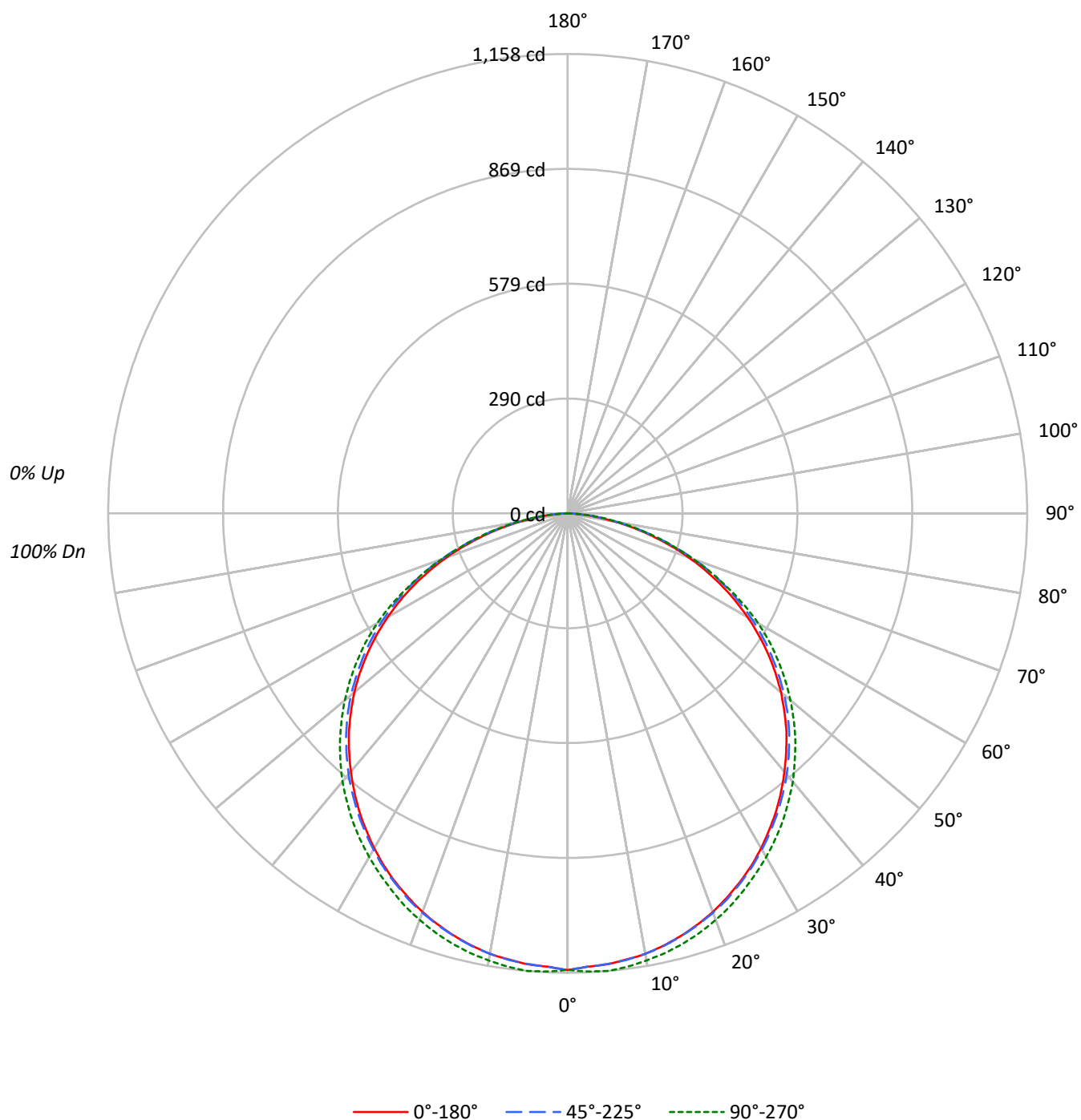
Lumens per Lamp: N/A
Luminaire Lumens: 3397.0 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3879	3879	3879
5°	3860	3858	3917
10°	3858	3857	3916
15°	3847	3851	3918
20°	3835	3842	3911
25°	3816	3825	3899
30°	3793	3809	3892
35°	3768	3791	3890
40°	3738	3778	3883
45°	3716	3763	3867
50°	3678	3736	3842
55°	3621	3688	3804
60°	3533	3624	3737
65°	3401	3530	3566
70°	3198	3347	3326
75°	2871	2993	3014
80°	2371	2493	2624
85°	1589	1852	1952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3867 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	3.2
10°-20°	313.6	9.2
20°-30°	477.6	14.1
30°-40°	581.2	17.1
40°-50°	612.7	18.0
50°-60°	564.3	16.6
60°-70°	435.8	12.8
70°-80°	243.9	7.2
80°-90°	58.8	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°	900.2	26.5
0°-40°	1481.4	43.6
0°-60°	2658.5	78.3
0°-90°	3397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1141	1157	1141	1142	1158	108
15°	1103	1118	1104	1110	1123	311
25°	1026	1041	1029	1036	1049	473
35°	916	930	922	933	946	573
45°	780	791	790	802	812	601
55°	616	627	628	641	648	550
65°	426	439	443	447	447	421
75°	220	234	230	229	232	234
85°	41	45	48	54	50	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.1	1151.1	1151.1	1151.1	1151.1
2.5°	1143.8	1160.5	1143.8	1146.4	1155.8
5°	1141.2	1157.4	1140.7	1142.3	1157.9
7.5°	1134.5	1151.1	1135.5	1137.6	1152.7
10°	1127.7	1142.8	1127.2	1129.8	1144.4
12.5°	1116.3	1131.9	1117.3	1120.4	1135.0
15°	1102.7	1117.8	1103.8	1110.0	1123.0
17.5°	1087.1	1101.7	1088.2	1095.5	1107.9
20°	1069.5	1083.5	1071.5	1076.7	1090.8
22.5°	1048.6	1063.2	1051.8	1056.4	1071.5
25°	1026.3	1040.8	1028.9	1035.6	1048.6
27.5°	1001.8	1015.9	1005.5	1013.8	1025.2
30°	974.8	988.3	978.9	988.8	1000.3
32.5°	945.7	960.2	950.9	962.3	973.7
35°	916.0	929.5	921.7	933.2	945.7
37.5°	883.8	896.8	891.0	903.0	914.4
40°	849.9	864.5	858.8	871.3	882.7
42.5°	815.1	829.1	824.5	837.5	847.3
45°	779.7	790.6	789.6	801.6	811.5
47.5°	740.7	754.2	752.2	764.1	773.0
50°	701.7	712.6	712.6	724.1	732.9
52.5°	659.6	670.5	670.5	684.0	691.3
55°	616.4	626.8	627.8	640.8	647.6
57.5°	570.6	581.5	583.6	596.6	602.9
60°	524.3	534.7	537.8	550.9	554.5
62.5°	475.9	488.4	490.0	500.4	502.5
65°	426.5	439.0	442.7	446.8	447.3
67.5°	376.1	389.1	392.7	392.7	392.7
70°	324.6	336.5	339.7	337.6	337.6
72.5°	272.6	285.6	284.0	281.9	283.0
75°	220.5	234.1	229.9	229.4	231.5
77.5°	170.6	183.6	176.9	181.0	181.5
80°	122.2	132.1	128.5	134.7	135.2
82.5°	78.5	84.8	85.8	91.0	89.5
85°	41.1	45.3	47.9	53.6	50.5
87.5°	13.0	17.2	15.6	18.2	14.0
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	16.74	18.40	17.11	18.71	19.03	16.96	18.62	17.33	18.93	19.24
	3H	18.57	20.06	18.94	20.39	20.75	18.76	20.26	19.14	20.59	20.95
	4H	19.21	20.62	19.61	20.97	21.35	19.40	20.81	19.80	21.16	21.53
	6H	19.64	20.95	20.05	21.31	21.70	19.85	21.16	20.26	21.53	21.92
	8H	19.75	21.00	20.17	21.39	21.79	19.98	21.23	20.41	21.62	22.02
	12H	19.80	21.00	20.23	21.38	21.81	20.06	21.26	20.49	21.64	22.07
4H	2H	17.42	18.84	17.82	19.18	19.56	17.59	19.01	17.99	19.35	19.73
	3H	19.46	20.65	19.87	21.05	21.45	19.61	20.79	20.02	21.19	21.59
	4H	20.24	21.32	20.68	21.73	22.16	20.37	21.44	20.80	21.85	22.29
	6H	20.79	21.73	21.25	22.17	22.63	20.94	21.88	21.39	22.32	22.77
	8H	20.94	21.82	21.40	22.26	22.72	21.11	21.99	21.57	22.43	22.90
	12H	21.02	21.81	21.50	22.29	22.76	21.23	22.02	21.71	22.49	22.96
8H	4H	20.55	21.43	21.01	21.87	22.34	20.66	21.54	21.12	21.98	22.44
	6H	21.21	21.94	21.70	22.43	22.90	21.34	22.07	21.83	22.56	23.03
	8H	21.42	22.07	21.92	22.58	23.06	21.58	22.23	22.09	22.74	23.22
	12H	21.55	22.13	22.06	22.62	23.18	21.76	22.33	22.26	22.82	23.38
12H	4H	20.58	21.37	21.06	21.85	22.31	20.69	21.48	21.17	21.95	22.42
	6H	21.26	21.91	21.76	22.42	22.90	21.38	22.04	21.89	22.54	23.03
	8H	21.51	22.09	22.02	22.58	23.14	21.67	22.25	22.18	22.74	23.30