

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: P1585853

Luminaire Tested: 14CZSP-SB-70-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585853
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-70-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

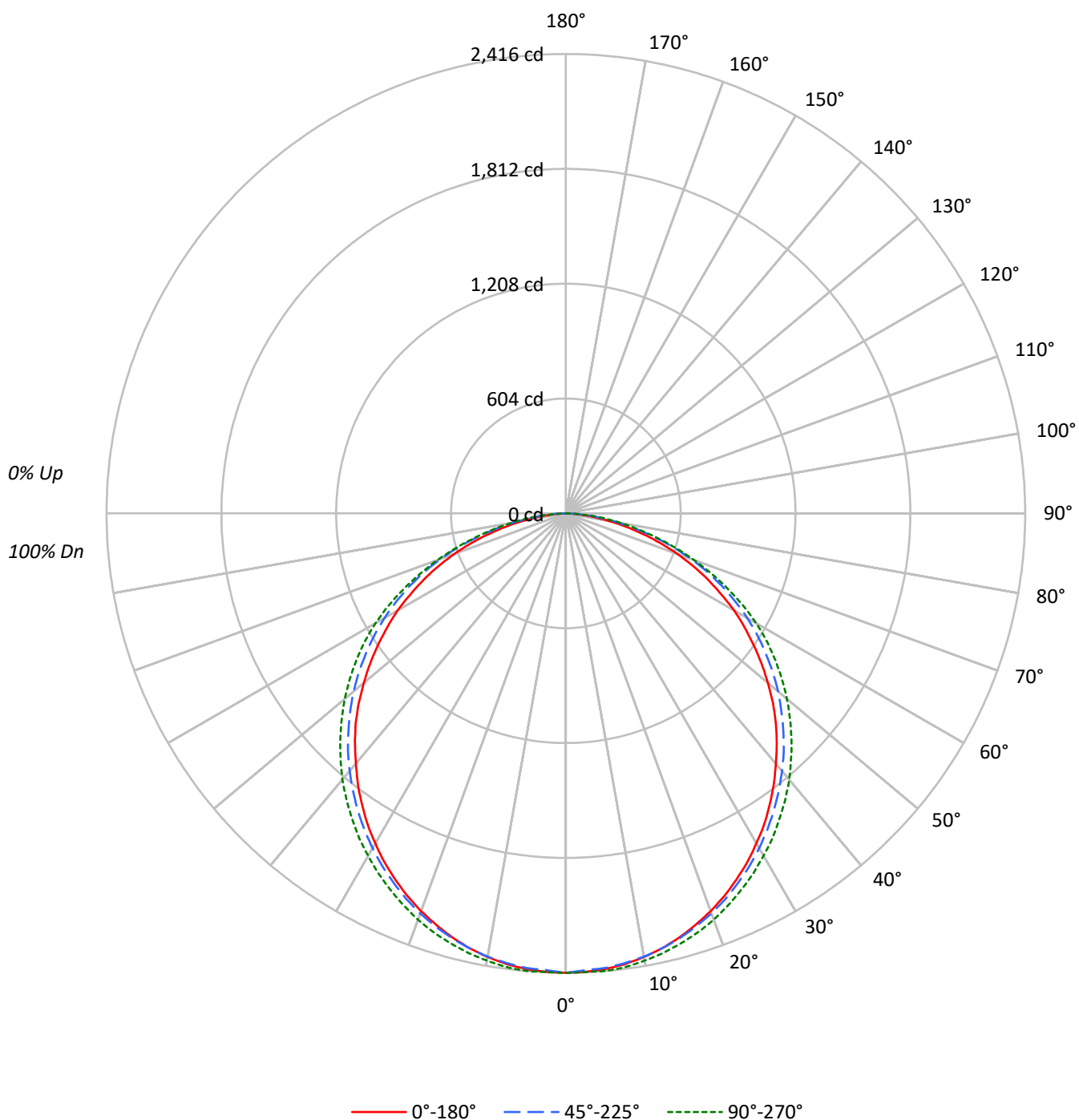
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6981.0 lumens
Efficiency: N/A
Efficacy: 130.7 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): 53.4
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	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8142	8142	8142
5°	8136	8116	8170
10°	8106	8099	8172
15°	8054	8072	8166
20°	7983	8030	8153
25°	7896	7971	8120
30°	7798	7911	8091
35°	7690	7847	8062
40°	7555	7780	8042
45°	7447	7710	7998
50°	7269	7638	7960
55°	7083	7538	7899
60°	6892	7427	7793
65°	6583	7232	7496
70°	6143	6905	7074
75°	5472	6258	6441
80°	4469	5426	5697
85°	2954	4315	4628

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	3.3
10°-20°	655.6	9.4
20°-30°	992.5	14.2
30°-40°	1198.1	17.2
40°-50°	1251.2	17.9
50°-60°	1144.6	16.4
60°-70°	884.8	12.7
70°-80°	500.9	7.2
80°-90°	124.4	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°	1877.0	26.9
0°-40°	3075.0	44.0
0°-60°	5470.8	78.4
0°-90°	6981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2416	2416	2416	2416	2416	
5°	2405	2422	2399	2401	2415	228
15°	2309	2329	2314	2325	2341	651
25°	2124	2151	2144	2164	2184	979
35°	1869	1896	1908	1940	1960	1169
45°	1563	1593	1618	1659	1678	1204
55°	1206	1242	1283	1323	1344	1078
65°	826	860	907	934	940	815
75°	420	456	481	493	495	446
85°	76	88	112	117	120	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2416.4	2416.4	2416.4	2416.4	2416.4
2.5°	2413.4	2430.5	2404.4	2409.4	2414.4
5°	2405.4	2422.5	2399.3	2401.3	2415.4
7.5°	2390.3	2409.4	2385.2	2389.3	2406.4
10°	2369.2	2388.3	2367.1	2371.2	2388.3
12.5°	2342.0	2361.1	2343.0	2349.0	2368.2
15°	2308.8	2328.9	2313.8	2324.9	2341.0
17.5°	2268.6	2293.7	2277.6	2294.7	2310.8
20°	2226.4	2251.5	2239.4	2254.5	2273.6
22.5°	2178.1	2203.2	2194.2	2210.3	2231.4
25°	2123.8	2150.9	2143.9	2164.0	2184.1
27.5°	2067.5	2093.6	2091.6	2113.7	2134.9
30°	2004.1	2032.3	2033.3	2059.4	2079.5
32.5°	1940.8	1965.9	1972.0	2001.1	2024.2
35°	1869.4	1895.5	1907.6	1939.8	1959.9
37.5°	1797.0	1826.1	1839.2	1874.4	1895.5
40°	1717.5	1750.7	1768.8	1806.0	1828.2
42.5°	1642.1	1672.3	1696.4	1733.6	1753.7
45°	1562.7	1592.8	1618.0	1659.2	1678.3
47.5°	1477.2	1510.4	1537.5	1577.8	1598.9
50°	1386.7	1422.9	1457.1	1496.3	1518.4
52.5°	1297.2	1332.4	1371.6	1409.8	1432.0
55°	1205.7	1241.9	1283.1	1323.3	1344.5
57.5°	1113.2	1149.4	1194.6	1230.8	1253.0
60°	1022.7	1055.9	1102.1	1138.3	1156.4
62.5°	920.1	958.3	1005.6	1041.8	1051.8
65°	825.6	859.8	907.0	934.2	940.2
67.5°	725.0	759.2	806.5	821.6	830.6
70°	623.5	659.7	700.9	710.9	718.0
72.5°	520.9	558.1	590.3	600.3	606.4
75°	420.3	456.5	480.7	492.7	494.7
77.5°	322.8	356.0	378.1	392.2	392.2
80°	230.3	255.4	279.6	294.6	293.6
82.5°	146.8	165.9	191.1	202.1	209.2
85°	76.4	88.5	111.6	116.6	119.7
87.5°	24.1	31.2	40.2	33.2	32.2
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	18.97	20.62	19.33	20.93	21.24	19.51	21.16	19.87	21.47	21.79
	3H	20.74	22.23	21.12	22.56	22.92	21.37	22.86	21.74	23.19	23.55
	4H	21.36	22.77	21.76	23.12	23.49	22.04	23.45	22.44	23.79	24.17
	6H	21.77	23.07	22.18	23.44	23.83	22.52	23.83	22.93	24.19	24.58
	8H	21.87	23.12	22.29	23.50	23.90	22.68	23.93	23.10	24.32	24.72
	12H	21.92	23.11	22.35	23.49	23.92	22.78	23.97	23.21	24.36	24.78
4H	2H	19.71	21.11	20.10	21.46	21.84	20.13	21.53	20.52	21.88	22.26
	3H	21.70	22.88	22.11	23.28	23.68	22.20	23.39	22.61	23.78	24.18
	4H	22.45	23.52	22.88	23.93	24.36	23.01	24.08	23.44	24.49	24.92
	6H	22.97	23.90	23.42	24.34	24.80	23.62	24.56	24.07	25.00	25.45
	8H	23.10	23.98	23.56	24.42	24.88	23.82	24.70	24.28	25.14	25.61
	12H	23.18	23.96	23.66	24.44	24.91	23.96	24.75	24.44	25.22	25.69
8H	4H	22.80	23.68	23.26	24.12	24.58	23.30	24.17	23.76	24.61	25.08
	6H	23.43	24.16	23.93	24.65	25.12	24.03	24.76	24.52	25.24	25.72
	8H	23.63	24.28	24.14	24.79	25.27	24.30	24.95	24.81	25.46	25.94
	12H	23.75	24.33	24.26	24.82	25.38	24.51	25.08	25.01	25.57	26.13
12H	4H	22.84	23.63	23.32	24.10	24.57	23.32	24.11	23.80	24.58	25.05
	6H	23.50	24.15	24.01	24.66	25.14	24.07	24.72	24.58	25.23	25.71
	8H	23.75	24.32	24.25	24.81	25.37	24.40	24.97	24.90	25.46	26.02