

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: P1585851

Luminaire Tested: 14CZSP-SB-65-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585851
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-65-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

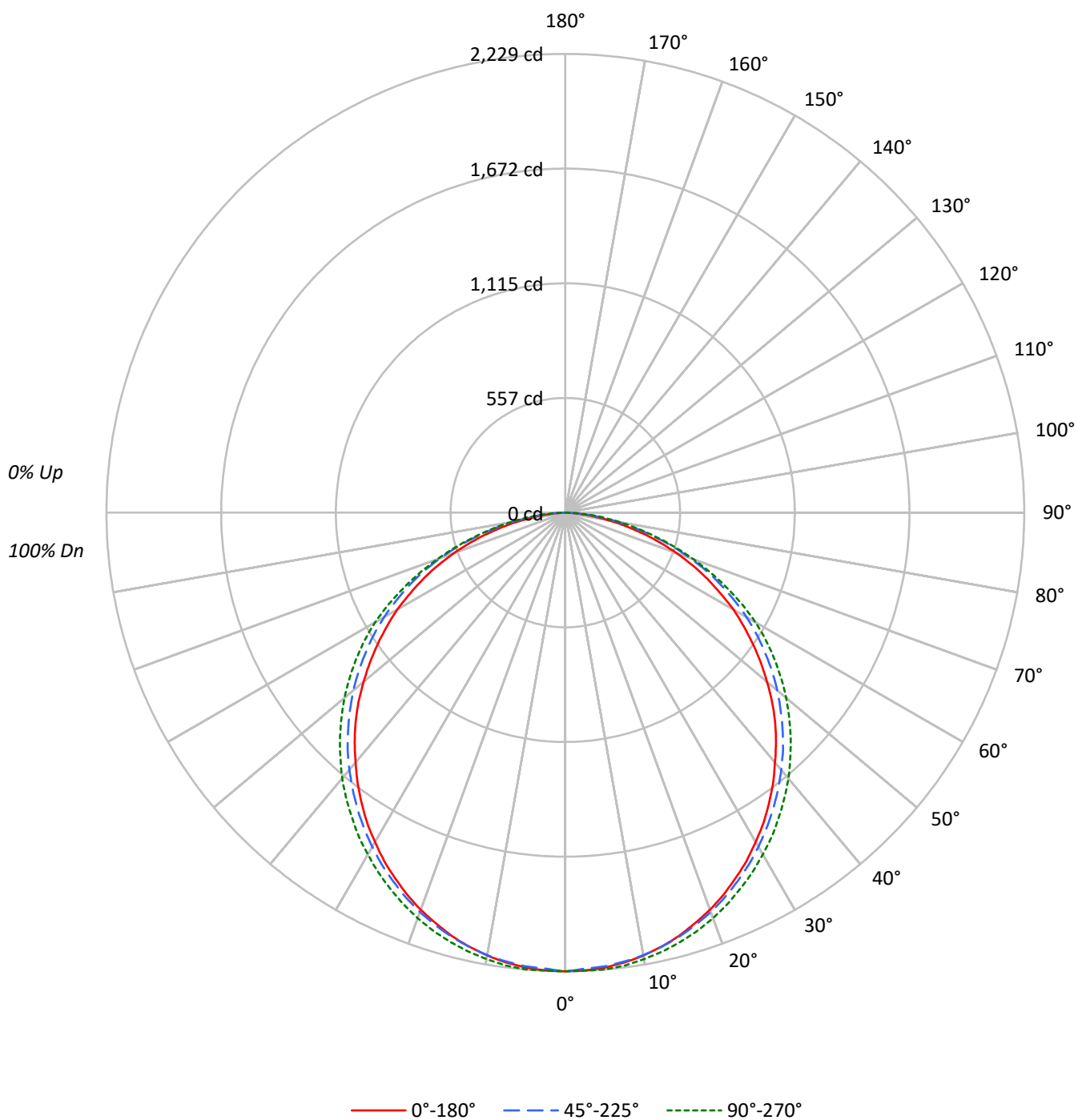
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6439.0 lumens
Efficiency: N/A
Efficacy: 131.9 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): 48.8
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°	7510	7510	7510
5°	7504	7485	7536
10°	7477	7471	7537
15°	7429	7445	7532
20°	7364	7407	7520
25°	7283	7352	7490
30°	7192	7297	7463
35°	7092	7238	7436
40°	6968	7176	7417
45°	6869	7112	7377
50°	6705	7045	7342
55°	6533	6953	7285
60°	6357	6851	7188
65°	6072	6670	6914
70°	5666	6369	6524
75°	5047	5773	5941
80°	4122	5003	5255
85°	2726	3982	4268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	3.3
10°-20°	604.7	9.4
20°-30°	915.5	14.2
30°-40°	1105.1	17.2
40°-50°	1154.0	17.9
50°-60°	1055.7	16.4
60°-70°	816.1	12.7
70°-80°	462.0	7.2
80°-90°	114.8	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°	1731.3	26.9
0°-40°	2836.3	44.0
0°-60°	5046.0	78.4
0°-90°	6439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2219	2234	2213	2215	2228	211
15°	2130	2148	2134	2144	2159	601
25°	1959	1984	1978	1996	2015	903
35°	1724	1748	1760	1789	1808	1079
45°	1441	1469	1492	1530	1548	1110
55°	1112	1146	1184	1221	1240	994
65°	762	793	837	862	867	752
75°	388	421	443	454	456	411
85°	70	82	103	108	110	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2228.8	2228.8	2228.8	2228.8	2228.8
2.5°	2226.0	2241.8	2217.7	2222.3	2227.0
5°	2218.6	2234.4	2213.0	2214.9	2227.9
7.5°	2204.7	2222.3	2200.1	2203.8	2219.5
10°	2185.2	2202.8	2183.4	2187.1	2202.8
12.5°	2160.2	2177.8	2161.1	2166.7	2184.3
15°	2129.6	2148.1	2134.2	2144.4	2159.2
17.5°	2092.5	2115.7	2100.8	2116.6	2131.4
20°	2053.5	2076.7	2065.6	2079.5	2097.1
22.5°	2009.0	2032.2	2023.8	2038.7	2058.1
25°	1958.9	1983.9	1977.5	1996.0	2014.6
27.5°	1907.0	1931.1	1929.2	1949.6	1969.1
30°	1848.5	1874.5	1875.4	1899.5	1918.1
32.5°	1790.1	1813.3	1818.9	1845.7	1867.1
35°	1724.2	1748.4	1759.5	1789.2	1807.7
37.5°	1657.5	1684.4	1696.4	1728.9	1748.4
40°	1584.2	1614.8	1631.5	1665.8	1686.2
42.5°	1514.6	1542.5	1564.7	1599.0	1617.6
45°	1441.4	1469.2	1492.4	1530.4	1548.0
47.5°	1362.5	1393.1	1418.2	1455.3	1474.7
50°	1279.0	1312.4	1344.0	1380.1	1400.5
52.5°	1196.5	1229.0	1265.1	1300.4	1320.8
55°	1112.1	1145.5	1183.5	1220.6	1240.1
57.5°	1026.8	1060.1	1101.9	1135.3	1155.7
60°	943.3	973.9	1016.6	1049.9	1066.6
62.5°	848.7	883.9	927.5	960.9	970.2
65°	761.5	793.0	836.6	861.7	867.2
67.5°	668.7	700.3	743.9	757.8	766.1
70°	575.1	608.4	646.5	655.8	662.2
72.5°	480.5	514.8	544.4	553.7	559.3
75°	387.7	421.1	443.4	454.5	456.3
77.5°	297.7	328.3	348.7	361.7	361.7
80°	212.4	235.6	257.8	271.8	270.8
82.5°	135.4	153.0	176.2	186.4	192.9
85°	70.5	81.6	103.0	107.6	110.4
87.5°	22.3	28.8	37.1	30.6	29.7
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	18.68	20.34	19.05	20.65	20.96	19.23	20.88	19.59	21.19	21.51
	3H	20.46	21.95	20.83	22.28	22.64	21.09	22.58	21.46	22.91	23.27
	4H	21.08	22.49	21.48	22.84	23.21	21.76	23.17	22.16	23.51	23.89
	6H	21.49	22.79	21.90	23.16	23.55	22.24	23.55	22.65	23.91	24.30
	8H	21.59	22.83	22.01	23.22	23.62	22.40	23.65	22.82	24.04	24.43
	12H	21.64	22.83	22.06	23.21	23.64	22.50	23.69	22.93	24.07	24.50
4H	2H	19.42	20.83	19.82	21.18	21.55	19.85	21.25	20.24	21.60	21.98
	3H	21.42	22.60	21.83	22.99	23.39	21.92	23.11	22.33	23.50	23.90
	4H	22.17	23.24	22.60	23.65	24.08	22.73	23.79	23.16	24.21	24.64
	6H	22.68	23.62	23.14	24.06	24.51	23.34	24.28	23.79	24.72	25.17
	8H	22.82	23.70	23.28	24.14	24.60	23.54	24.42	24.00	24.86	25.32
	12H	22.90	23.68	23.38	24.16	24.63	23.68	24.47	24.16	24.94	25.41
8H	4H	22.52	23.40	22.98	23.84	24.30	23.02	23.89	23.47	24.33	24.80
	6H	23.15	23.88	23.65	24.37	24.84	23.75	24.47	24.24	24.96	25.44
	8H	23.35	24.00	23.86	24.51	24.99	24.02	24.67	24.53	25.18	25.66
	12H	23.47	24.05	23.98	24.54	25.10	24.23	24.80	24.73	25.29	25.85
12H	4H	22.56	23.35	23.04	23.82	24.29	23.04	23.83	23.52	24.30	24.77
	6H	23.22	23.87	23.73	24.38	24.86	23.79	24.44	24.30	24.95	25.43
	8H	23.47	24.04	23.97	24.53	25.09	24.12	24.69	24.62	25.18	25.74