

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: P1587825

Luminaire Tested: 22CZSP-SB-60HE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-60HE-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 6700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

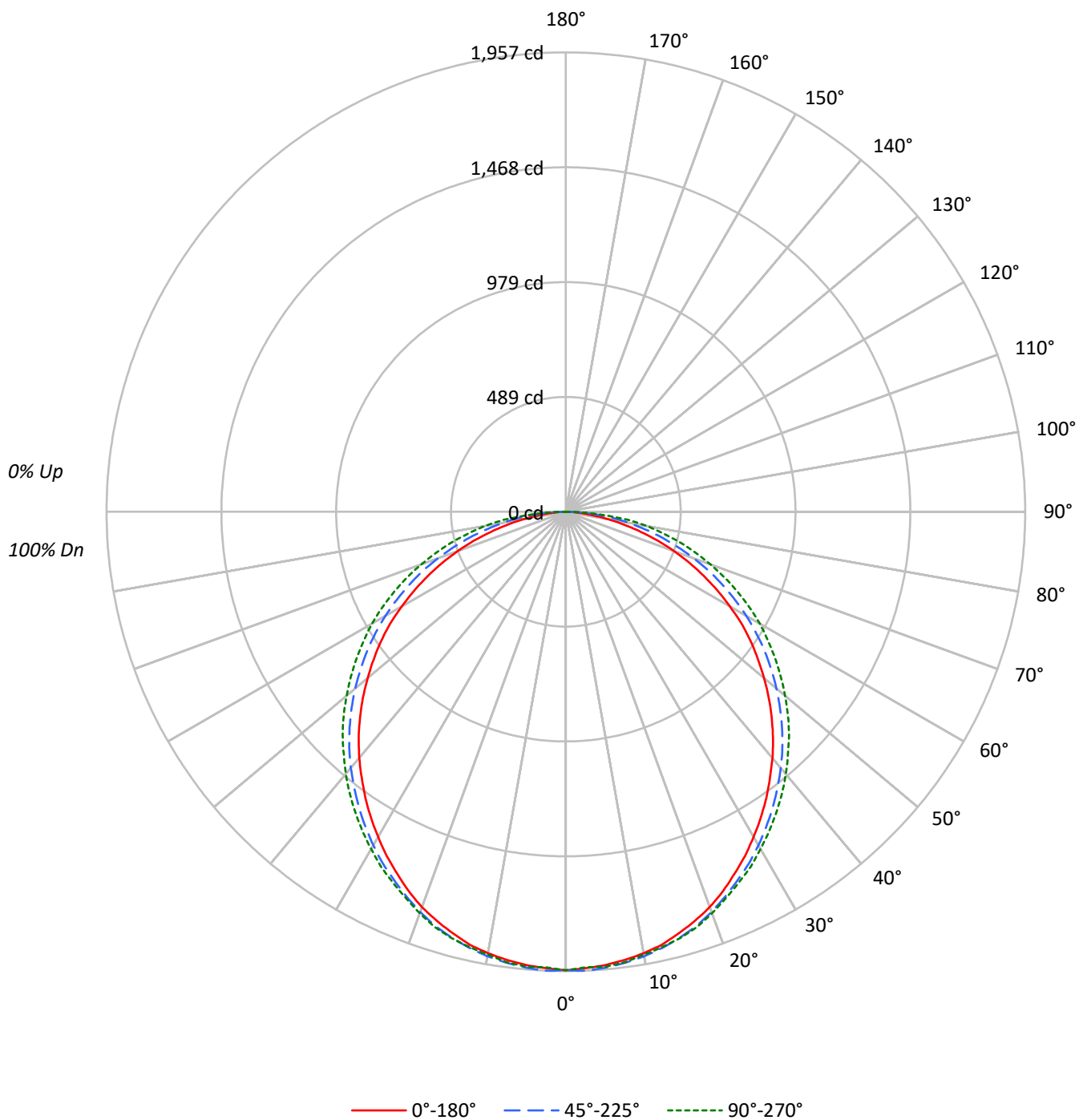
Lumens per Lamp: N/A
Luminaire Lumens: 5700.0 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6116	6116	6116
5°	6094	6128	6113
10°	6072	6114	6092
15°	6027	6089	6097
20°	5974	6046	6066
25°	5877	5981	6023
30°	5784	5932	5998
35°	5691	5875	5977
40°	5597	5824	5962
45°	5492	5770	5957
50°	5371	5706	5942
55°	5249	5644	5941
60°	5055	5561	5976
65°	4818	5453	5980
70°	4495	5302	5998
75°	4000	5108	6101
80°	3286	4894	6331
85°	2166	4595	5720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6482 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	3.2
10°-20°	528.8	9.3
20°-30°	797.1	14.0
30°-40°	959.9	16.8
40°-50°	1002.8	17.6
50°-60°	921.3	16.2
60°-70°	725.5	12.7
70°-80°	444.8	7.8
80°-90°	134.9	2.4
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°	1510.7	26.5
0°-40°	2470.6	43.3
0°-60°	4394.8	77.1
0°-90°	5700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1953	1953	1953	1953	1953	
5°	1939	1942	1950	1947	1945	184
15°	1859	1866	1878	1886	1881	525
25°	1701	1712	1731	1749	1743	784
35°	1489	1508	1537	1565	1564	931
45°	1240	1267	1303	1339	1345	957
55°	962	989	1034	1078	1088	858
65°	650	684	736	785	807	643
75°	331	369	422	473	504	351
85°	60	89	128	142	159	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1953.2	1953.2	1953.2	1953.2	1953.2
2.5°	1945.9	1950.7	1956.8	1947.1	1942.3
5°	1938.7	1942.3	1949.5	1947.1	1944.7
7.5°	1925.4	1927.8	1937.5	1937.5	1935.1
10°	1909.7	1914.6	1923.0	1921.8	1915.8
12.5°	1889.2	1892.8	1902.5	1902.5	1898.9
15°	1859.1	1866.3	1878.4	1885.6	1880.8
17.5°	1827.7	1834.9	1850.6	1857.9	1855.4
20°	1792.7	1798.7	1814.4	1825.3	1820.5
22.5°	1749.3	1756.5	1774.6	1786.7	1781.9
25°	1701.0	1711.9	1731.2	1749.3	1743.2
27.5°	1652.8	1664.8	1689.0	1707.1	1704.6
30°	1599.7	1615.4	1640.7	1663.6	1658.8
32.5°	1545.4	1563.5	1590.0	1614.2	1613.0
35°	1488.7	1508.0	1537.0	1564.7	1563.5
37.5°	1428.4	1451.3	1481.5	1511.6	1512.8
40°	1369.3	1391.0	1424.8	1457.3	1458.5
42.5°	1306.5	1329.5	1365.6	1399.4	1400.6
45°	1240.2	1266.7	1302.9	1339.1	1345.1
47.5°	1172.6	1200.4	1237.8	1276.4	1283.6
50°	1102.6	1131.6	1171.4	1212.4	1219.7
52.5°	1031.5	1061.6	1102.6	1143.7	1154.5
55°	961.5	989.2	1033.9	1078.5	1088.2
57.5°	887.9	913.2	961.5	1008.6	1020.6
60°	807.1	838.4	887.9	935.0	954.3
62.5°	728.7	762.4	813.1	860.2	881.9
65°	650.2	684.0	735.9	785.4	807.1
67.5°	570.6	605.6	661.1	708.2	732.3
70°	491.0	526.0	579.1	629.7	655.1
72.5°	411.4	448.8	500.7	552.5	577.9
75°	330.6	369.2	422.2	472.9	504.3
77.5°	254.6	291.9	345.0	396.9	423.4
80°	182.2	219.6	271.4	323.3	351.1
82.5°	115.8	150.8	201.5	244.9	270.2
85°	60.3	89.3	127.9	142.4	159.2
87.5°	18.1	35.0	49.5	55.5	68.8
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	17.80	19.47	18.17	19.78	20.10	18.55	20.21	18.92	20.53	20.84
	3H	19.57	21.08	19.94	21.40	21.76	20.65	22.15	21.02	22.48	22.84
	4H	20.19	21.61	20.59	21.96	22.34	21.53	22.95	21.93	23.30	23.68
	6H	20.60	21.93	21.02	22.29	22.68	22.30	23.62	22.71	23.98	24.37
	8H	20.71	21.97	21.13	22.36	22.76	22.61	23.87	23.03	24.26	24.66
	12H	20.76	21.97	21.19	22.35	22.78	22.82	24.03	23.25	24.41	24.84
4H	2H	18.58	20.00	18.97	20.34	20.72	19.16	20.58	19.55	20.92	21.30
	3H	20.57	21.77	20.98	22.16	22.56	21.48	22.68	21.89	23.08	23.48
	4H	21.32	22.41	21.75	22.82	23.26	22.52	23.60	22.95	24.02	24.45
	6H	21.86	22.81	22.31	23.25	23.70	23.45	24.40	23.90	24.84	25.29
	8H	22.01	22.90	22.47	23.34	23.80	23.83	24.72	24.29	25.17	25.63
	12H	22.09	22.90	22.57	23.37	23.84	24.11	24.91	24.59	25.39	25.85
8H	4H	21.77	22.67	22.23	23.11	23.57	22.82	23.71	23.28	24.15	24.62
	6H	22.45	23.20	22.94	23.68	24.16	23.90	24.65	24.39	25.13	25.61
	8H	22.67	23.34	23.18	23.85	24.33	24.39	25.06	24.90	25.56	26.05
	12H	22.82	23.41	23.33	23.90	24.46	24.76	25.36	25.27	25.85	26.40
12H	4H	21.86	22.66	22.34	23.14	23.60	22.85	23.65	23.32	24.12	24.59
	6H	22.58	23.25	23.09	23.75	24.24	23.95	24.62	24.46	25.13	25.61
	8H	22.87	23.46	23.38	23.95	24.51	24.51	25.10	25.01	25.59	26.15