

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: P1587831

Luminaire Tested: 22CZSP-SB-60HE-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587831
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-L950
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 6700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

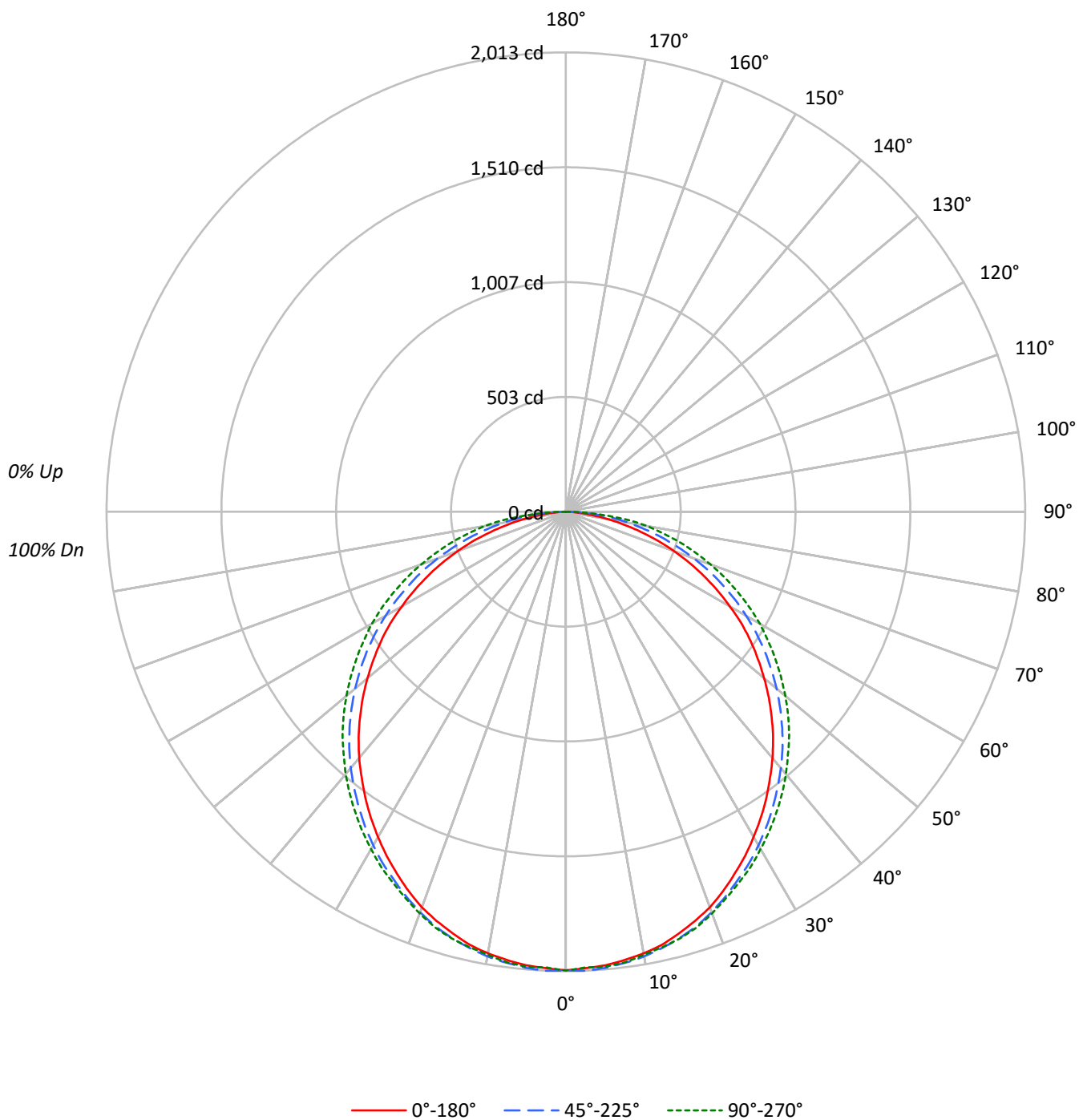
Lumens per Lamp: N/A
Luminaire Lumens: 5865.0 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	6293	6293	6293
5°	6270	6305	6290
10°	6248	6292	6268
15°	6201	6265	6274
20°	6147	6221	6242
25°	6047	6154	6197
30°	5952	6104	6171
35°	5856	6045	6150
40°	5759	5993	6135
45°	5651	5937	6129
50°	5527	5872	6114
55°	5401	5808	6113
60°	5201	5722	6149
65°	4958	5610	6153
70°	4625	5455	6171
75°	4115	5257	6278
80°	3379	5037	6513
85°	2231	4728	5889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	3.2
10°-20°	544.1	9.3
20°-30°	820.2	14.0
30°-40°	987.7	16.8
40°-50°	1031.9	17.6
50°-60°	948.0	16.2
60°-70°	746.5	12.7
70°-80°	457.7	7.8
80°-90°	138.8	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°	1554.4	26.5
0°-40°	2542.1	43.3
0°-60°	4522.0	77.1
0°-90°	5865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2010	2010	2010	2010	2010	
5°	1995	1998	2006	2004	2001	189
15°	1913	1920	1933	1940	1935	540
25°	1750	1761	1781	1800	1794	807
35°	1532	1552	1581	1610	1609	958
45°	1276	1303	1341	1378	1384	984
55°	989	1018	1064	1110	1120	883
65°	669	704	757	808	830	661
75°	340	380	434	487	519	362
85°	62	92	132	146	164	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2009.7	2009.7	2009.7	2009.7	2009.7
2.5°	2002.3	2007.2	2013.4	2003.5	1998.5
5°	1994.8	1998.5	2006.0	2003.5	2001.0
7.5°	1981.2	1983.6	1993.6	1993.6	1991.1
10°	1965.0	1970.0	1978.7	1977.4	1971.2
12.5°	1943.9	1947.6	1957.6	1957.6	1953.8
15°	1912.9	1920.3	1932.7	1940.2	1935.2
17.5°	1880.6	1888.1	1904.2	1911.6	1909.2
20°	1844.6	1850.8	1866.9	1878.1	1873.2
22.5°	1799.9	1807.4	1826.0	1838.4	1833.4
25°	1750.3	1761.4	1781.3	1799.9	1793.7
27.5°	1700.6	1713.0	1737.9	1756.5	1754.0
30°	1646.0	1662.1	1688.2	1711.8	1706.8
32.5°	1590.1	1608.8	1636.1	1660.9	1659.6
35°	1531.8	1551.7	1581.4	1610.0	1608.8
37.5°	1469.7	1493.3	1524.3	1555.4	1556.6
40°	1408.9	1431.2	1466.0	1499.5	1500.8
42.5°	1344.4	1367.9	1405.2	1439.9	1441.2
45°	1276.1	1303.4	1340.6	1377.9	1384.1
47.5°	1206.6	1235.1	1273.6	1313.3	1320.8
50°	1134.6	1164.4	1205.3	1247.5	1255.0
52.5°	1061.3	1092.4	1134.6	1176.8	1187.9
55°	989.3	1017.9	1063.8	1109.7	1119.7
57.5°	913.6	939.7	989.3	1037.7	1050.2
60°	830.4	862.7	913.6	962.0	981.9
62.5°	749.8	784.5	836.7	885.1	907.4
65°	669.1	703.8	757.2	808.1	830.4
67.5°	587.1	623.1	680.2	728.7	753.5
70°	505.2	541.2	595.8	648.0	674.0
72.5°	423.3	461.8	515.1	568.5	594.6
75°	340.1	379.8	434.5	486.6	518.9
77.5°	261.9	300.4	355.0	408.4	435.7
80°	187.4	225.9	279.3	332.7	361.2
82.5°	119.2	155.2	207.3	252.0	278.1
85°	62.1	91.9	131.6	146.5	163.9
87.5°	18.6	36.0	50.9	57.1	70.8
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	17.90	19.57	18.27	19.88	20.20	18.65	20.31	19.02	20.63	20.94
	3H	19.67	21.17	20.04	21.50	21.86	20.75	22.25	21.12	22.58	22.94
	4H	20.29	21.71	20.69	22.06	22.44	21.63	23.05	22.03	23.40	23.77
	6H	20.70	22.02	21.11	22.39	22.78	22.40	23.72	22.81	24.08	24.47
	8H	20.81	22.07	21.23	22.46	22.86	22.71	23.97	23.13	24.36	24.76
	12H	20.86	22.07	21.29	22.45	22.88	22.92	24.13	23.35	24.51	24.94
4H	2H	18.67	20.10	19.07	20.44	20.82	19.25	20.68	19.65	21.02	21.40
	3H	20.67	21.87	21.08	22.26	22.66	21.58	22.78	21.99	23.18	23.58
	4H	21.42	22.51	21.85	22.92	23.36	22.62	23.70	23.05	24.12	24.55
	6H	21.96	22.91	22.41	23.35	23.80	23.55	24.50	24.00	24.94	25.39
	8H	22.11	23.00	22.56	23.44	23.90	23.93	24.82	24.39	25.27	25.73
	12H	22.19	23.00	22.67	23.47	23.94	24.21	25.01	24.69	25.49	25.95
8H	4H	21.87	22.77	22.33	23.21	23.67	22.92	23.81	23.38	24.25	24.71
	6H	22.55	23.30	23.04	23.78	24.26	24.00	24.75	24.49	25.23	25.71
	8H	22.77	23.44	23.28	23.95	24.43	24.49	25.16	25.00	25.66	26.15
	12H	22.92	23.51	23.42	24.00	24.56	24.86	25.46	25.37	25.95	26.50
12H	4H	21.96	22.76	22.44	23.24	23.70	22.94	23.75	23.42	24.22	24.69
	6H	22.68	23.35	23.19	23.85	24.34	24.05	24.72	24.56	25.23	25.71
	8H	22.97	23.56	23.48	24.05	24.61	24.61	25.20	25.11	25.69	26.25