

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: P1585831

Luminaire Tested: 14CZSP-SB-60VHE-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585831
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-60VHE-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

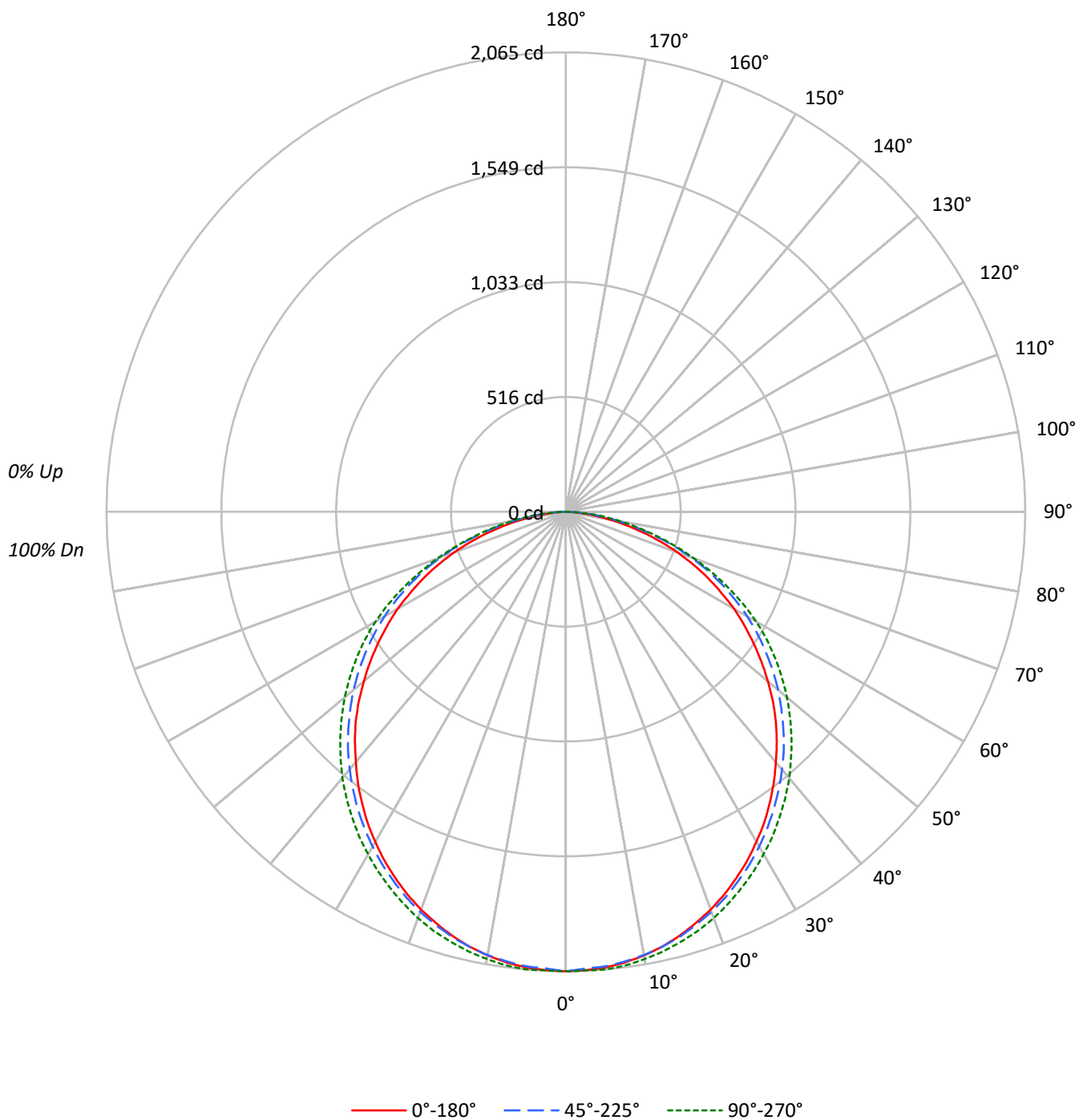
Lumens per Lamp: N/A
Luminaire Lumens: 5967.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 43.9
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°	6960	6960	6960
5°	6954	6937	6983
10°	6929	6923	6985
15°	6884	6899	6980
20°	6824	6864	6969
25°	6749	6813	6941
30°	6665	6762	6916
35°	6573	6707	6891
40°	6458	6650	6873
45°	6365	6590	6836
50°	6213	6529	6804
55°	6054	6443	6751
60°	5891	6348	6662
65°	5627	6182	6408
70°	5250	5902	6046
75°	4678	5350	5506
80°	3819	4636	4871
85°	2525	3688	3955

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6836 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.6	3.3
10°-20°	560.4	9.4
20°-30°	848.4	14.2
30°-40°	1024.0	17.2
40°-50°	1069.4	17.9
50°-60°	978.3	16.4
60°-70°	756.3	12.7
70°-80°	428.2	7.2
80°-90°	106.4	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°	1604.4	26.9
0°-40°	2628.4	44.0
0°-60°	4676.1	78.4
0°-90°	5967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5967.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2065	2065	2065	2065	2065	
5°	2056	2071	2051	2052	2065	195
15°	1974	1991	1978	1987	2001	557
25°	1815	1838	1832	1850	1867	837
35°	1598	1620	1630	1658	1675	1000
45°	1336	1362	1383	1418	1434	1029
55°	1031	1062	1097	1131	1149	922
65°	706	735	775	798	804	697
75°	359	390	411	421	423	381
85°	65	76	95	100	102	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2065.4	2065.4	2065.4	2065.4	2065.4
2.5°	2062.9	2077.5	2055.1	2059.4	2063.7
5°	2056.0	2070.6	2050.8	2052.5	2064.6
7.5°	2043.1	2059.4	2038.8	2042.2	2056.8
10°	2025.0	2041.4	2023.3	2026.8	2041.4
12.5°	2001.8	2018.2	2002.7	2007.8	2024.2
15°	1973.5	1990.7	1977.8	1987.2	2001.0
17.5°	1939.1	1960.6	1946.8	1961.4	1975.2
20°	1903.0	1924.5	1914.2	1927.0	1943.4
22.5°	1861.7	1883.2	1875.5	1889.2	1907.3
25°	1815.3	1838.5	1832.5	1849.7	1866.9
27.5°	1767.2	1789.5	1787.8	1806.7	1824.8
30°	1713.0	1737.1	1738.0	1760.3	1777.5
32.5°	1658.9	1680.4	1685.5	1710.4	1730.2
35°	1597.9	1620.2	1630.5	1658.0	1675.2
37.5°	1536.0	1560.9	1572.1	1602.1	1620.2
40°	1468.1	1496.4	1511.9	1543.7	1562.6
42.5°	1403.6	1429.4	1450.0	1481.8	1499.0
45°	1335.7	1361.5	1383.0	1418.2	1434.5
47.5°	1262.6	1291.0	1314.2	1348.6	1366.6
50°	1185.3	1216.2	1245.4	1279.0	1297.9
52.5°	1108.8	1138.9	1172.4	1205.0	1224.0
55°	1030.6	1061.5	1096.8	1131.1	1149.2
57.5°	951.5	982.4	1021.1	1052.1	1071.0
60°	874.1	902.5	942.0	973.0	988.5
62.5°	786.5	819.1	859.5	890.5	899.1
65°	705.7	734.9	775.3	798.5	803.7
67.5°	619.7	648.9	689.3	702.2	710.0
70°	532.9	563.8	599.1	607.7	613.7
72.5°	445.2	477.0	504.5	513.1	518.3
75°	359.3	390.2	410.9	421.2	422.9
77.5°	275.9	304.3	323.2	335.2	335.2
80°	196.8	218.3	238.9	251.8	251.0
82.5°	125.5	141.8	163.3	172.8	178.8
85°	65.3	75.6	95.4	99.7	102.3
87.5°	20.6	26.6	34.4	28.4	27.5
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	18.42	20.07	18.79	20.39	20.70	18.96	20.61	19.33	20.93	21.24
	3H	20.19	21.69	20.57	22.01	22.37	20.82	22.32	21.20	22.64	23.00
	4H	20.82	22.22	21.21	22.57	22.95	21.49	22.90	21.89	23.25	23.62
	6H	21.22	22.53	21.63	22.89	23.28	21.98	23.29	22.39	23.65	24.04
	8H	21.32	22.57	21.75	22.96	23.36	22.14	23.38	22.56	23.77	24.17
	12H	21.37	22.57	21.80	22.95	23.38	22.23	23.43	22.66	23.81	24.24
4H	2H	19.16	20.57	19.56	20.91	21.29	19.58	20.99	19.98	21.34	21.71
	3H	21.15	22.33	21.56	22.73	23.13	21.66	22.84	22.07	23.24	23.64
	4H	21.90	22.97	22.33	23.38	23.82	22.46	23.53	22.89	23.94	24.38
	6H	22.42	23.35	22.87	23.79	24.25	23.08	24.01	23.53	24.45	24.91
	8H	22.56	23.43	23.01	23.87	24.34	23.28	24.15	23.74	24.60	25.06
	12H	22.63	23.42	23.11	23.89	24.36	23.42	24.21	23.90	24.68	25.15
8H	4H	22.26	23.13	22.72	23.57	24.04	22.75	23.63	23.21	24.07	24.53
	6H	22.89	23.62	23.38	24.10	24.58	23.48	24.21	23.98	24.70	25.17
	8H	23.08	23.73	23.59	24.24	24.73	23.76	24.41	24.26	24.91	25.40
	12H	23.21	23.78	23.71	24.27	24.83	23.96	24.54	24.47	25.03	25.59
12H	4H	22.30	23.08	22.78	23.56	24.03	22.78	23.56	23.25	24.04	24.51
	6H	22.95	23.61	23.46	24.11	24.60	23.52	24.18	24.03	24.68	25.17
	8H	23.20	23.78	23.71	24.27	24.83	23.85	24.43	24.36	24.92	25.48