

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: P1585827

Luminaire Tested: 14CZSP-SB-60VHE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585827
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

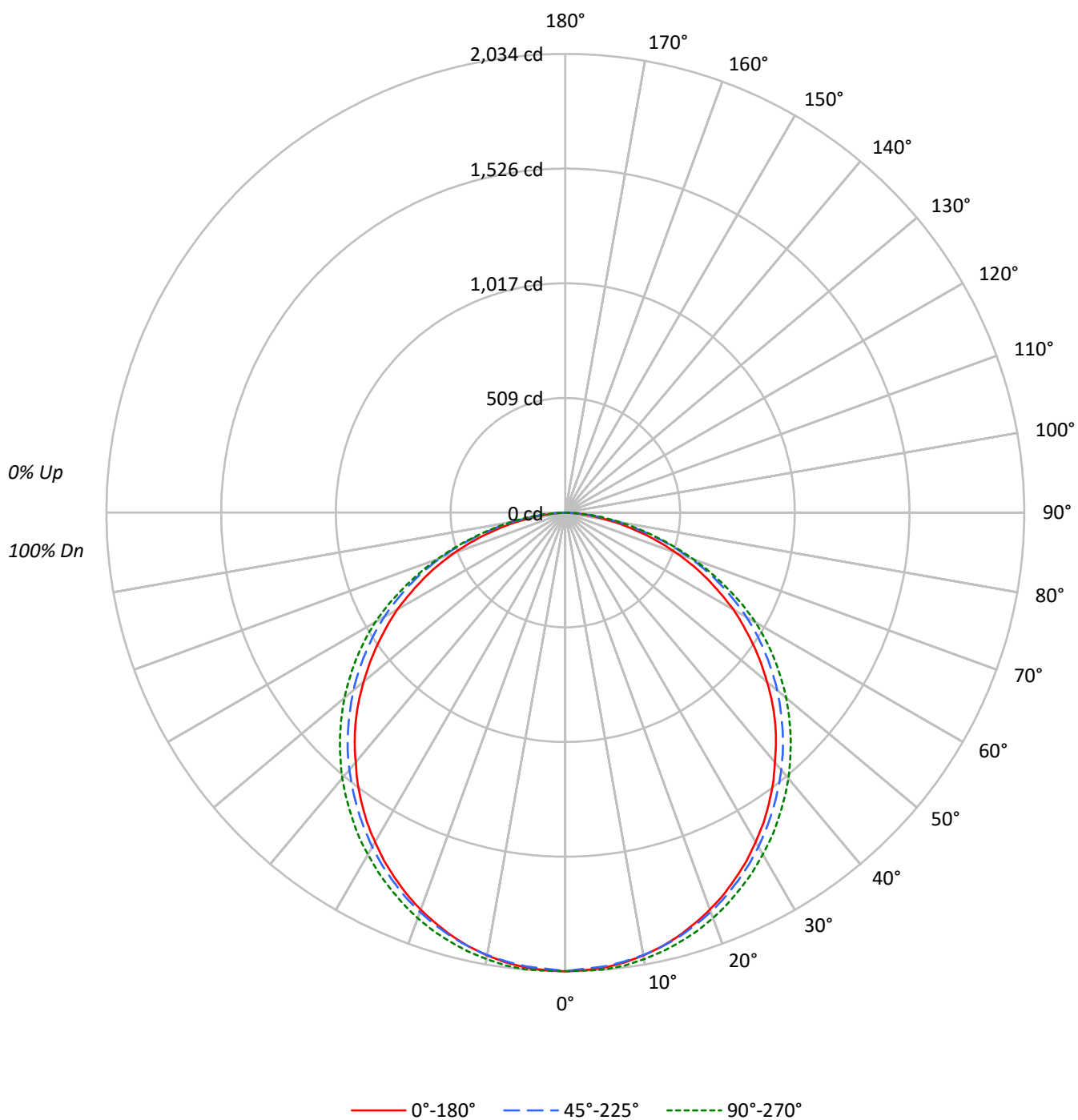
Lumens per Lamp: N/A
Luminaire Lumens: 5875.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	6852	6852	6852
5°	6847	6830	6876
10°	6822	6816	6877
15°	6778	6793	6873
20°	6718	6758	6861
25°	6645	6708	6834
30°	6562	6658	6809
35°	6471	6604	6785
40°	6358	6548	6767
45°	6267	6488	6731
50°	6118	6428	6699
55°	5961	6343	6647
60°	5800	6251	6559
65°	5540	6086	6309
70°	5169	5811	5953
75°	4605	5266	5421
80°	3761	4566	4795
85°	2486	3630	3893

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	3.3
10°-20°	551.7	9.4
20°-30°	835.3	14.2
30°-40°	1008.3	17.2
40°-50°	1052.9	17.9
50°-60°	963.2	16.4
60°-70°	744.7	12.7
70°-80°	421.6	7.2
80°-90°	104.7	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°	1579.6	26.9
0°-40°	2587.9	44.0
0°-60°	4604.0	78.4
0°-90°	5875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5875.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2034	2034	2034	2034	2034	
5°	2024	2039	2019	2021	2033	192
15°	1943	1960	1947	1957	1970	548
25°	1787	1810	1804	1821	1838	824
35°	1573	1595	1605	1632	1649	984
45°	1315	1340	1362	1396	1412	1013
55°	1015	1045	1080	1114	1132	907
65°	695	724	763	786	791	686
75°	354	384	404	415	416	375
85°	64	74	94	98	101	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2033.6	2033.6	2033.6	2033.6	2033.6
2.5°	2031.0	2045.4	2023.4	2027.7	2031.9
5°	2024.3	2038.7	2019.2	2020.9	2032.7
7.5°	2011.6	2027.7	2007.4	2010.7	2025.1
10°	1993.8	2009.9	1992.1	1995.5	2009.9
12.5°	1971.0	1987.0	1971.8	1976.9	1993.0
15°	1943.0	1960.0	1947.3	1956.6	1970.1
17.5°	1909.2	1930.3	1916.8	1931.2	1944.7
20°	1873.6	1894.8	1884.6	1897.3	1913.4
22.5°	1833.0	1854.2	1846.6	1860.1	1877.9
25°	1787.3	1810.2	1804.2	1821.2	1838.1
27.5°	1739.9	1761.9	1760.2	1778.9	1796.6
30°	1686.6	1710.3	1711.2	1733.2	1750.1
32.5°	1633.3	1654.5	1659.5	1684.1	1703.5
35°	1573.2	1595.2	1605.4	1632.5	1649.4
37.5°	1512.3	1536.8	1547.8	1577.4	1595.2
40°	1445.4	1473.4	1488.6	1519.9	1538.5
42.5°	1382.0	1407.3	1427.7	1459.0	1475.9
45°	1315.1	1340.5	1361.6	1396.3	1412.4
47.5°	1243.2	1271.1	1293.9	1327.8	1345.6
50°	1167.0	1197.5	1226.2	1259.2	1277.9
52.5°	1091.7	1121.3	1154.3	1186.5	1205.1
55°	1014.7	1045.1	1079.8	1113.7	1131.5
57.5°	936.8	967.3	1005.4	1035.8	1054.5
60°	860.7	888.6	927.5	958.0	973.2
62.5°	774.3	806.5	846.3	876.7	885.2
65°	694.8	723.6	763.3	786.2	791.3
67.5°	610.2	638.9	678.7	691.4	699.0
70°	524.7	555.2	589.8	598.3	604.2
72.5°	438.4	469.7	496.8	505.2	510.3
75°	353.7	384.2	404.5	414.7	416.4
77.5°	271.7	299.6	318.2	330.0	330.0
80°	193.8	215.0	235.3	248.0	247.1
82.5°	123.6	139.6	160.8	170.1	176.0
85°	64.3	74.5	93.9	98.2	100.7
87.5°	20.3	26.2	33.9	27.9	27.1
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	18.37	20.02	18.73	20.33	20.65	18.91	20.56	19.27	20.87	21.19
	3H	20.14	21.63	20.52	21.96	22.32	20.77	22.26	21.14	22.59	22.95
	4H	20.76	22.17	21.16	22.52	22.89	21.44	22.85	21.84	23.20	23.57
	6H	21.17	22.47	21.58	22.84	23.23	21.93	23.23	22.34	23.59	23.99
	8H	21.27	22.52	21.69	22.91	23.30	22.08	23.33	22.51	23.72	24.12
	12H	21.32	22.51	21.75	22.89	23.32	22.18	23.37	22.61	23.76	24.18
4H	2H	19.11	20.51	19.50	20.86	21.24	19.53	20.93	19.92	21.28	21.66
	3H	21.10	22.28	21.51	22.68	23.08	21.61	22.79	22.01	23.18	23.58
	4H	21.85	22.92	22.28	23.33	23.76	22.41	23.48	22.84	23.89	24.32
	6H	22.37	23.30	22.82	23.74	24.20	23.02	23.96	23.47	24.40	24.85
	8H	22.50	23.38	22.96	23.82	24.28	23.22	24.10	23.68	24.54	25.01
	12H	22.58	23.36	23.06	23.84	24.31	23.36	24.15	23.84	24.63	25.09
8H	4H	22.20	23.08	22.66	23.52	23.98	22.70	23.57	23.16	24.01	24.48
	6H	22.83	23.56	23.33	24.05	24.52	23.43	24.16	23.92	24.64	25.12
	8H	23.03	23.68	23.54	24.19	24.67	23.70	24.35	24.21	24.86	25.35
	12H	23.15	23.73	23.66	24.22	24.78	23.91	24.49	24.41	24.98	25.53
12H	4H	22.24	23.03	22.72	23.51	23.97	22.72	23.51	23.20	23.98	24.45
	6H	22.90	23.55	23.41	24.06	24.54	23.47	24.12	23.98	24.63	25.12
	8H	23.15	23.72	23.65	24.21	24.77	23.80	24.37	24.30	24.86	25.42