

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: P1585815

Luminaire Tested: 14CZSP-SB-60VHE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585815
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-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

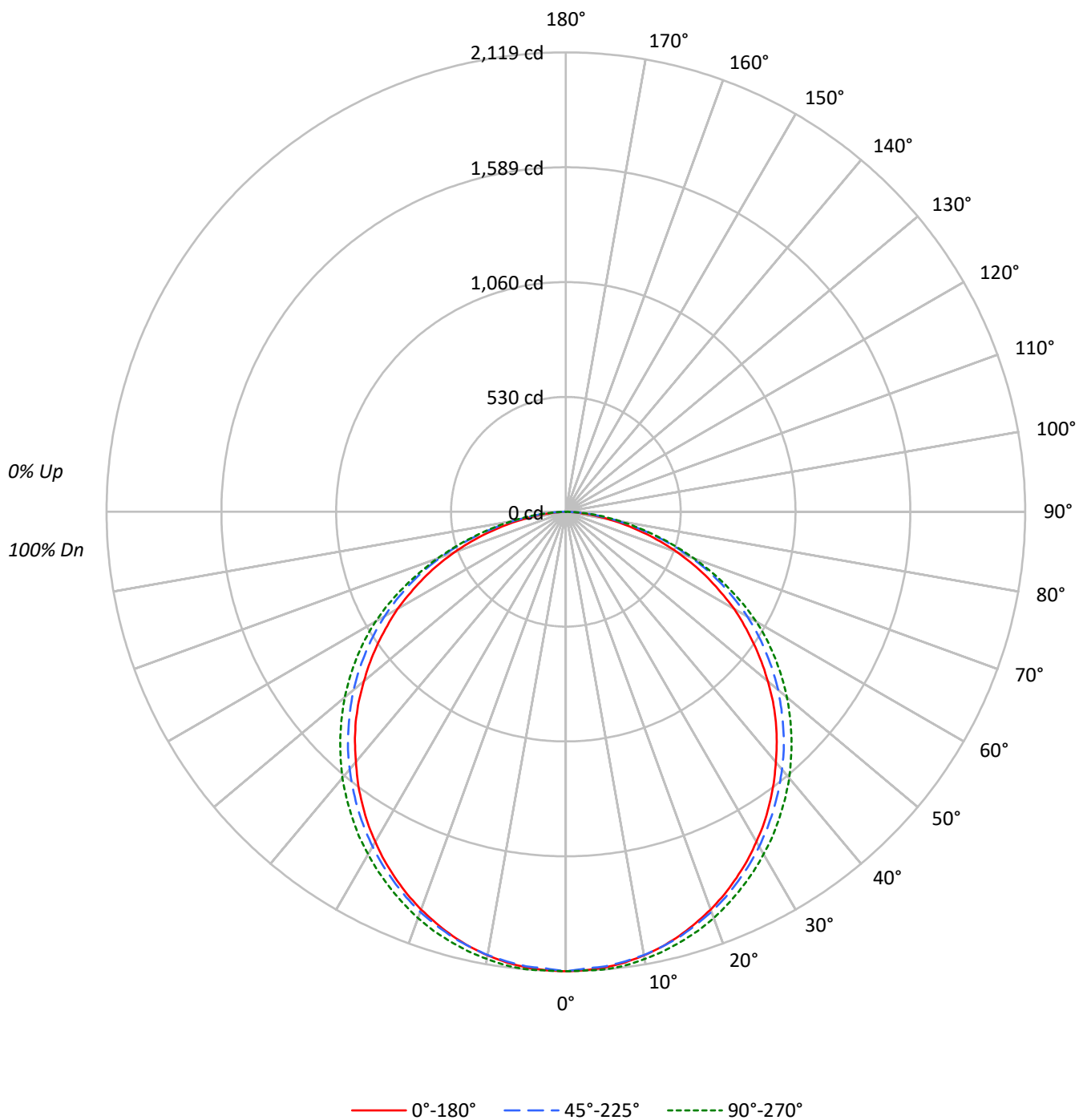
Lumens per Lamp: N/A
Luminaire Lumens: 6123.0 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7141	7141	7141
5°	7136	7118	7166
10°	7110	7104	7167
15°	7064	7080	7163
20°	7002	7043	7151
25°	6926	6991	7122
30°	6839	6939	7097
35°	6744	6882	7071
40°	6626	6824	7053
45°	6531	6762	7015
50°	6376	6699	6981
55°	6212	6611	6927
60°	6045	6515	6836
65°	5773	6343	6575
70°	5387	6056	6204
75°	4800	5489	5649
80°	3920	4758	4997
85°	2590	3785	4059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	3.3
10°-20°	575.0	9.4
20°-30°	870.6	14.2
30°-40°	1050.8	17.2
40°-50°	1097.4	17.9
50°-60°	1003.9	16.4
60°-70°	776.1	12.7
70°-80°	439.4	7.2
80°-90°	109.1	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°	1646.3	26.9
0°-40°	2697.1	44.0
0°-60°	4798.4	78.4
0°-90°	6123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2119	2119	2119	2119	2119	
5°	2110	2125	2104	2106	2118	200
15°	2025	2043	2030	2039	2053	571
25°	1863	1887	1880	1898	1916	859
35°	1640	1663	1673	1701	1719	1026
45°	1371	1397	1419	1455	1472	1056
55°	1058	1089	1125	1161	1179	946
65°	724	754	796	819	825	715
75°	369	400	422	432	434	391
85°	67	78	98	102	105	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2119.4	2119.4	2119.4	2119.4	2119.4
2.5°	2116.8	2131.8	2108.8	2113.3	2117.7
5°	2109.7	2124.7	2104.4	2106.2	2118.5
7.5°	2096.5	2113.3	2092.1	2095.6	2110.6
10°	2078.0	2094.7	2076.2	2079.7	2094.7
12.5°	2054.2	2070.9	2055.0	2060.3	2077.1
15°	2025.1	2042.7	2029.5	2039.2	2053.3
17.5°	1989.8	2011.8	1997.7	2012.7	2026.8
20°	1952.7	1974.8	1964.2	1977.4	1994.2
22.5°	1910.4	1932.4	1924.5	1938.6	1957.1
25°	1862.8	1886.6	1880.4	1898.0	1915.7
27.5°	1813.4	1836.3	1834.5	1853.9	1872.5
30°	1757.8	1782.5	1783.4	1806.3	1824.0
32.5°	1702.2	1724.3	1729.6	1755.2	1775.5
35°	1639.6	1662.6	1673.1	1701.4	1719.0
37.5°	1576.1	1601.7	1613.2	1644.0	1662.6
40°	1506.4	1535.5	1551.4	1584.1	1603.5
42.5°	1440.3	1466.8	1487.9	1520.6	1538.2
45°	1370.6	1397.1	1419.1	1455.3	1472.0
47.5°	1295.6	1324.8	1348.6	1383.8	1402.4
50°	1216.3	1248.0	1278.0	1312.4	1331.8
52.5°	1137.8	1168.6	1203.0	1236.6	1256.0
55°	1057.5	1089.3	1125.4	1160.7	1179.2
57.5°	976.4	1008.1	1047.8	1079.6	1099.0
60°	897.0	926.1	966.7	998.4	1014.3
62.5°	807.0	840.5	882.0	913.7	922.6
65°	724.1	754.1	795.6	819.4	824.7
67.5°	635.9	665.9	707.4	720.6	728.5
70°	546.8	578.6	614.7	623.6	629.7
72.5°	456.9	489.5	517.7	526.5	531.8
75°	368.7	400.4	421.6	432.2	433.9
77.5°	283.1	312.2	331.6	344.0	344.0
80°	202.0	224.0	245.2	258.4	257.5
82.5°	128.8	145.5	167.6	177.3	183.5
85°	67.0	77.6	97.9	102.3	105.0
87.5°	21.2	27.3	35.3	29.1	28.2
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	18.51	20.16	18.87	20.47	20.79	19.05	20.70	19.42	21.02	21.33
	3H	20.28	21.78	20.66	22.10	22.46	20.91	22.41	21.29	22.73	23.09
	4H	20.91	22.31	21.30	22.66	23.04	21.58	22.99	21.98	23.34	23.71
	6H	21.31	22.62	21.72	22.98	23.37	22.07	23.37	22.48	23.74	24.13
	8H	21.41	22.66	21.84	23.05	23.45	22.23	23.47	22.65	23.86	24.26
	12H	21.46	22.66	21.89	23.04	23.47	22.32	23.52	22.75	23.90	24.33
4H	2H	19.25	20.66	19.65	21.00	21.38	19.67	21.08	20.07	21.43	21.80
	3H	21.24	22.42	21.65	22.82	23.22	21.75	22.93	22.16	23.33	23.73
	4H	21.99	23.06	22.42	23.47	23.91	22.55	23.62	22.98	24.03	24.47
	6H	22.51	23.44	22.96	23.88	24.34	23.17	24.10	23.62	24.54	24.99
	8H	22.65	23.52	23.10	23.96	24.43	23.37	24.24	23.83	24.69	25.15
	12H	22.72	23.51	23.20	23.98	24.45	23.51	24.29	23.99	24.77	25.24
8H	4H	22.35	23.22	22.81	23.66	24.13	22.84	23.72	23.30	24.16	24.62
	6H	22.98	23.71	23.47	24.19	24.67	23.57	24.30	24.07	24.79	25.26
	8H	23.17	23.82	23.68	24.33	24.82	23.85	24.50	24.35	25.00	25.49
	12H	23.30	23.87	23.80	24.36	24.92	24.05	24.63	24.56	25.12	25.68
12H	4H	22.39	23.17	22.87	23.65	24.12	22.86	23.65	23.34	24.13	24.59
	6H	23.04	23.70	23.55	24.20	24.69	23.61	24.27	24.12	24.77	25.26
	8H	23.29	23.87	23.80	24.36	24.92	23.94	24.52	24.45	25.01	25.57