

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: P1585854

Luminaire Tested: 14CZSP-SB-70-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-70-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6700 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

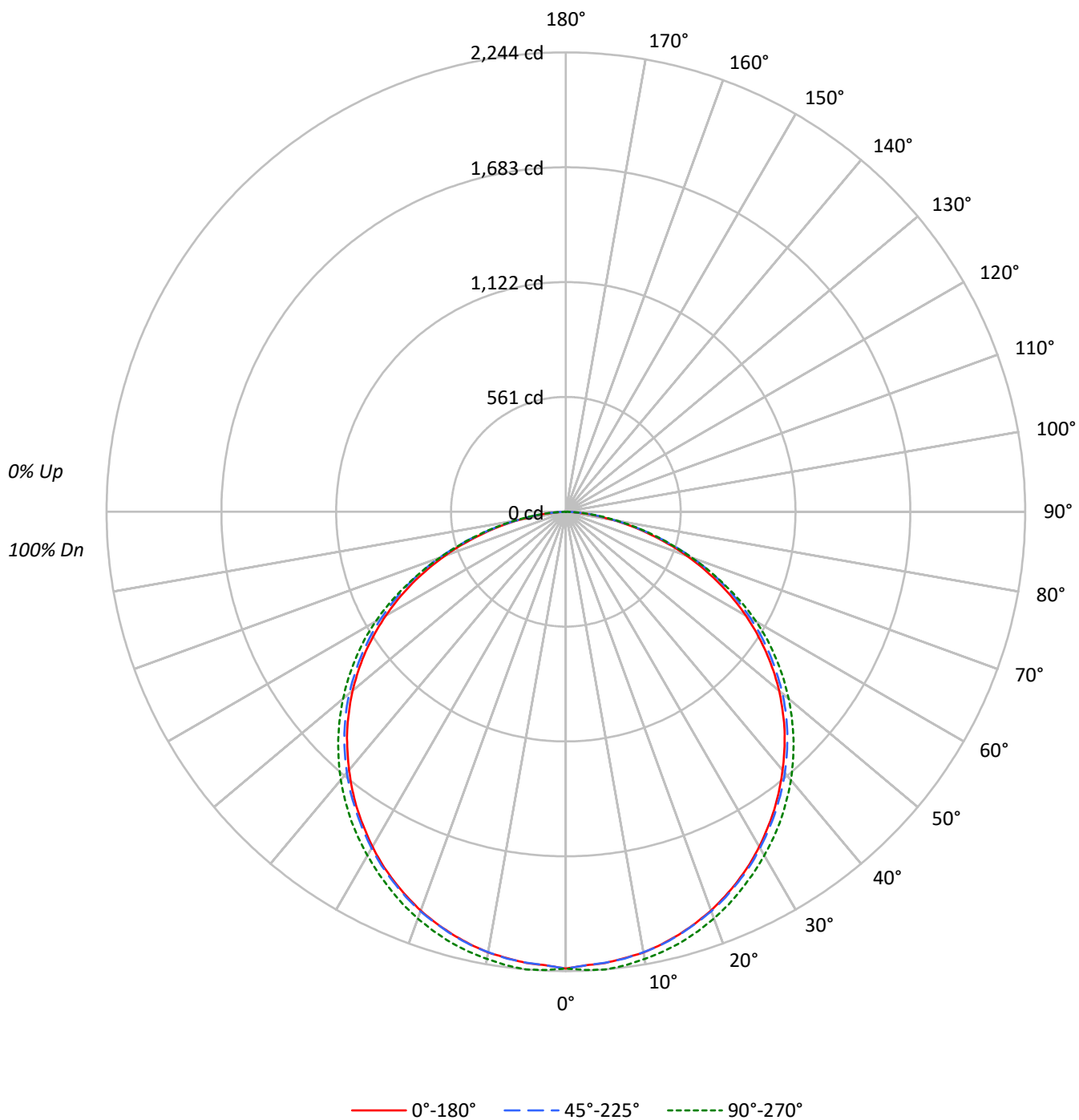
Lumens per Lamp: N/A
Luminaire Lumens: 6585.0 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7519	7519	7519
5°	7483	7479	7592
10°	7480	7476	7590
15°	7457	7464	7594
20°	7434	7448	7582
25°	7396	7415	7558
30°	7352	7384	7544
35°	7304	7350	7540
40°	7247	7322	7527
45°	7203	7294	7496
50°	7130	7241	7447
55°	7020	7149	7375
60°	6850	7026	7244
65°	6592	6842	6914
70°	6199	6487	6447
75°	5566	5803	5842
80°	4599	4834	5088
85°	3081	3588	3781

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	3.2
10°-20°	607.9	9.2
20°-30°	925.7	14.1
30°-40°	1126.6	17.1
40°-50°	1187.7	18.0
50°-60°	1093.9	16.6
60°-70°	844.9	12.8
70°-80°	472.8	7.2
80°-90°	114.0	1.7
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°	1745.1	26.5
0°-40°	2871.7	43.6
0°-60°	5153.4	78.3
0°-90°	6585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2231	2231	2231	2231	2231	
5°	2212	2244	2211	2214	2244	210
15°	2138	2167	2140	2152	2177	603
25°	1989	2018	1994	2008	2033	917
35°	1776	1802	1787	1809	1833	1111
45°	1512	1533	1531	1554	1573	1165
55°	1195	1215	1217	1242	1255	1066
65°	827	851	858	866	867	817
75°	428	454	446	445	449	453
85°	80	88	93	104	98	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2231.4	2231.4	2231.4	2231.4	2231.4
2.5°	2217.3	2249.6	2217.3	2222.3	2240.5
5°	2212.3	2243.5	2211.2	2214.3	2244.5
7.5°	2199.1	2231.4	2201.2	2205.2	2234.4
10°	2186.0	2215.3	2185.0	2190.1	2218.3
12.5°	2163.9	2194.1	2165.9	2171.9	2200.2
15°	2137.6	2166.9	2139.7	2151.8	2177.0
17.5°	2107.4	2135.6	2109.4	2123.5	2147.7
20°	2073.1	2100.3	2077.1	2087.2	2114.4
22.5°	2032.8	2061.0	2038.8	2047.9	2077.1
25°	1989.4	2017.7	1994.5	2007.6	2032.8
27.5°	1942.0	1969.3	1949.1	1965.2	1987.4
30°	1889.6	1915.8	1897.7	1916.8	1939.0
32.5°	1833.1	1861.4	1843.2	1865.4	1887.6
35°	1775.7	1801.9	1786.7	1808.9	1833.1
37.5°	1713.1	1738.3	1727.3	1750.4	1772.6
40°	1647.6	1675.8	1664.7	1688.9	1711.1
42.5°	1580.0	1607.3	1598.2	1623.4	1642.6
45°	1511.5	1532.6	1530.6	1553.8	1573.0
47.5°	1435.8	1462.1	1458.0	1481.2	1498.4
50°	1360.2	1381.4	1381.4	1403.6	1420.7
52.5°	1278.6	1299.7	1299.7	1325.9	1340.1
55°	1194.9	1215.0	1217.0	1242.3	1255.4
57.5°	1106.1	1127.3	1131.3	1156.5	1168.6
60°	1016.4	1036.6	1042.6	1067.8	1074.9
62.5°	922.6	946.8	949.8	970.0	974.0
65°	826.8	851.0	858.1	866.1	867.2
67.5°	729.0	754.2	761.3	761.3	761.3
70°	629.2	652.4	658.4	654.4	654.4
72.5°	528.4	553.6	550.5	546.5	548.5
75°	427.5	453.7	445.7	444.7	448.7
77.5°	330.7	355.9	342.8	350.9	351.9
80°	237.0	256.1	249.1	261.2	262.2
82.5°	152.3	164.4	166.4	176.5	173.4
85°	79.7	87.7	92.8	103.9	97.8
87.5°	25.2	33.3	30.2	35.3	27.2
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	19.04	20.70	19.41	21.01	21.33	19.26	20.92	19.62	21.23	21.54
	3H	20.87	22.36	21.24	22.69	23.05	21.06	22.56	21.44	22.88	23.24
	4H	21.51	22.92	21.91	23.27	23.65	21.70	23.11	22.10	23.46	23.83
	6H	21.94	23.25	22.35	23.61	24.00	22.15	23.46	22.56	23.82	24.22
	8H	22.05	23.30	22.47	23.69	24.09	22.28	23.53	22.71	23.92	24.32
	12H	22.10	23.30	22.53	23.68	24.11	22.36	23.56	22.79	23.94	24.37
4H	2H	19.72	21.14	20.12	21.48	21.86	19.89	21.30	20.29	21.65	22.03
	3H	21.76	22.95	22.17	23.35	23.75	21.91	23.09	22.32	23.49	23.89
	4H	22.54	23.62	22.97	24.03	24.46	22.66	23.74	23.10	24.15	24.59
	6H	23.09	24.03	23.55	24.47	24.93	23.24	24.18	23.69	24.62	25.07
	8H	23.24	24.12	23.70	24.56	25.02	23.41	24.29	23.87	24.73	25.20
	12H	23.32	24.11	23.80	24.59	25.06	23.53	24.32	24.01	24.79	25.26
8H	4H	22.85	23.73	23.31	24.17	24.64	22.96	23.84	23.42	24.28	24.74
	6H	23.51	24.24	24.00	24.73	25.20	23.64	24.37	24.13	24.86	25.33
	8H	23.72	24.37	24.22	24.88	25.36	23.88	24.53	24.39	25.04	25.52
	12H	23.85	24.43	24.36	24.92	25.48	24.06	24.63	24.56	25.12	25.68
12H	4H	22.88	23.67	23.36	24.15	24.61	22.99	23.78	23.47	24.25	24.72
	6H	23.56	24.21	24.06	24.72	25.20	23.68	24.34	24.19	24.84	25.33
	8H	23.81	24.39	24.32	24.88	25.44	23.97	24.55	24.48	25.04	25.60