

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: P1585838

Luminaire Tested: 14CZSP-SB-65-L845-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585838
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-65-L845-S
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 6200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

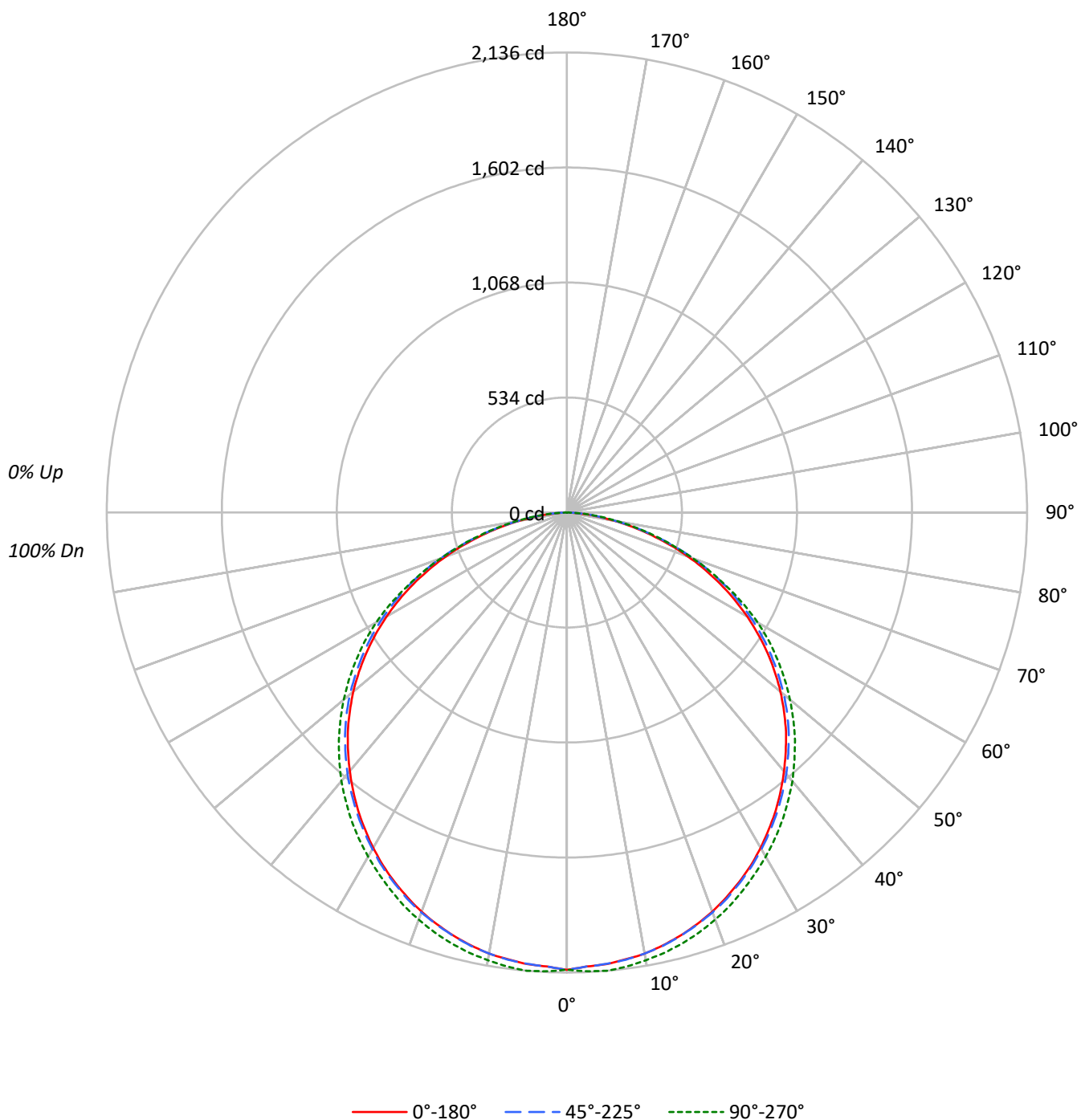
Lumens per Lamp: N/A
Luminaire Lumens: 6266.0 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 48.8
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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7155	7155	7155
5°	7120	7117	7224
10°	7117	7114	7222
15°	7096	7102	7226
20°	7074	7087	7215
25°	7038	7056	7192
30°	6996	7026	7179
35°	6950	6994	7175
40°	6896	6968	7162
45°	6854	6941	7133
50°	6785	6891	7087
55°	6680	6803	7017
60°	6518	6686	6893
65°	6273	6510	6579
70°	5898	6172	6135
75°	5296	5521	5559
80°	4376	4599	4841
85°	2931	3414	3599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.2	3.2
10°-20°	578.5	9.2
20°-30°	880.9	14.1
30°-40°	1072.0	17.1
40°-50°	1130.2	18.0
50°-60°	1040.9	16.6
60°-70°	803.9	12.8
70°-80°	449.9	7.2
80°-90°	108.4	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°	1660.6	26.5
0°-40°	2732.6	43.6
0°-60°	4903.8	78.3
0°-90°	6266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2123	2123	2123	2123	2123	
5°	2105	2135	2104	2107	2136	200
15°	2034	2062	2036	2048	2072	574
25°	1893	1920	1898	1910	1934	873
35°	1690	1715	1700	1721	1744	1057
45°	1438	1458	1456	1479	1497	1108
55°	1137	1156	1158	1182	1194	1015
65°	787	810	816	824	825	777
75°	407	432	424	423	427	431
85°	76	84	88	99	93	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2123.3	2123.3	2123.3	2123.3	2123.3
2.5°	2109.9	2140.6	2109.9	2114.7	2132.0
5°	2105.1	2134.8	2104.1	2107.0	2135.8
7.5°	2092.6	2123.3	2094.5	2098.4	2126.2
10°	2080.1	2108.0	2079.2	2084.0	2110.8
12.5°	2059.0	2087.8	2061.0	2066.7	2093.6
15°	2034.1	2061.9	2036.0	2047.5	2071.5
17.5°	2005.3	2032.2	2007.2	2020.7	2043.7
20°	1972.7	1998.6	1976.5	1986.1	2012.0
22.5°	1934.3	1961.2	1940.1	1948.7	1976.5
25°	1893.0	1919.9	1897.8	1910.3	1934.3
27.5°	1847.9	1873.9	1854.7	1870.0	1891.1
30°	1798.1	1823.0	1805.7	1824.0	1845.1
32.5°	1744.3	1771.2	1753.9	1775.0	1796.1
35°	1689.6	1714.6	1700.2	1721.3	1744.3
37.5°	1630.1	1654.1	1643.6	1665.6	1686.8
40°	1567.8	1594.6	1584.1	1607.1	1628.2
42.5°	1503.5	1529.4	1520.8	1544.8	1563.0
45°	1438.3	1458.4	1456.5	1478.6	1496.8
47.5°	1366.3	1391.2	1387.4	1409.5	1425.8
50°	1294.3	1314.5	1314.5	1335.6	1351.9
52.5°	1216.6	1236.8	1236.8	1261.7	1275.1
55°	1137.0	1156.2	1158.1	1182.1	1194.5
57.5°	1052.5	1072.7	1076.5	1100.5	1112.0
60°	967.2	986.3	992.1	1016.1	1022.8
62.5°	877.9	900.9	903.8	923.0	926.9
65°	786.8	809.8	816.5	824.2	825.1
67.5°	693.7	717.7	724.4	724.4	724.4
70°	598.7	620.8	626.5	622.7	622.7
72.5°	502.8	526.8	523.9	520.0	522.0
75°	406.8	431.8	424.1	423.1	427.0
77.5°	314.7	338.7	326.2	333.9	334.9
80°	225.5	243.7	237.0	248.5	249.5
82.5°	144.9	156.4	158.3	167.9	165.0
85°	75.8	83.5	88.3	98.8	93.1
87.5°	24.0	31.7	28.8	33.6	25.9
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	18.87	20.53	19.24	20.84	21.16	19.09	20.74	19.45	21.06	21.37
	3H	20.69	22.19	21.07	22.52	22.88	20.89	22.39	21.26	22.71	23.07
	4H	21.34	22.75	21.74	23.10	23.47	21.53	22.94	21.92	23.29	23.66
	6H	21.77	23.08	22.18	23.44	23.83	21.98	23.29	22.39	23.65	24.04
	8H	21.88	23.13	22.30	23.52	23.91	22.11	23.36	22.53	23.75	24.15
	12H	21.93	23.13	22.36	23.51	23.94	22.19	23.39	22.62	23.77	24.20
4H	2H	19.55	20.96	19.95	21.31	21.69	19.72	21.13	20.12	21.48	21.85
	3H	21.59	22.78	22.00	23.17	23.57	21.73	22.92	22.14	23.32	23.72
	4H	22.37	23.44	22.80	23.86	24.29	22.49	23.56	22.92	23.98	24.41
	6H	22.92	23.86	23.37	24.30	24.75	23.07	24.00	23.52	24.44	24.90
	8H	23.07	23.94	23.53	24.39	24.85	23.24	24.12	23.70	24.56	25.02
	12H	23.15	23.94	23.63	24.41	24.88	23.35	24.14	23.83	24.62	25.09
8H	4H	22.68	23.56	23.14	24.00	24.46	22.79	23.66	23.25	24.11	24.57
	6H	23.34	24.07	23.83	24.55	25.03	23.47	24.20	23.96	24.68	25.16
	8H	23.54	24.20	24.05	24.70	25.19	23.71	24.36	24.22	24.87	25.35
	12H	23.68	24.26	24.18	24.75	25.31	23.88	24.46	24.39	24.95	25.51
12H	4H	22.71	23.50	23.19	23.97	24.44	22.81	23.60	23.29	24.08	24.55
	6H	23.38	24.04	23.89	24.54	25.03	23.51	24.17	24.02	24.67	25.16
	8H	23.64	24.22	24.15	24.71	25.27	23.80	24.38	24.31	24.87	25.43