

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: P1585835

Luminaire Tested: 14CZSP-SB-65-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585835
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-65-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

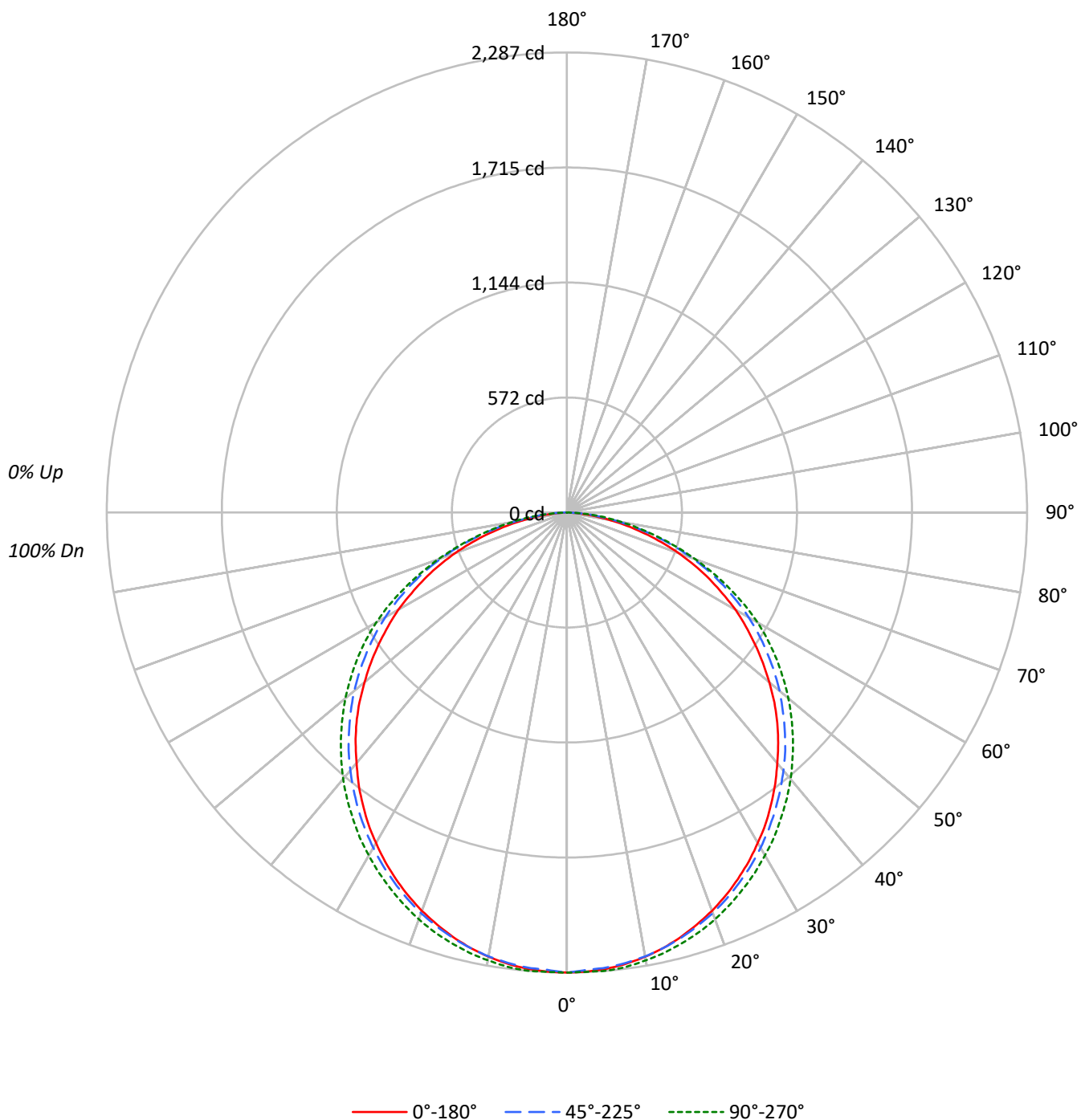
Lumens per Lamp: N/A
Luminaire Lumens: 6608.0 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	7707	7707	7707
5°	7701	7682	7734
10°	7673	7667	7735
15°	7624	7640	7730
20°	7557	7601	7717
25°	7474	7545	7686
30°	7381	7489	7659
35°	7279	7428	7631
40°	7151	7365	7612
45°	7049	7298	7570
50°	6881	7230	7535
55°	6705	7135	7476
60°	6524	7030	7377
65°	6231	6846	7096
70°	5815	6536	6695
75°	5180	5924	6097
80°	4230	5134	5393
85°	2795	4087	4380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7570 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	3.3
10°-20°	620.6	9.4
20°-30°	939.5	14.2
30°-40°	1134.1	17.2
40°-50°	1184.3	17.9
50°-60°	1083.4	16.4
60°-70°	837.6	12.7
70°-80°	474.2	7.2
80°-90°	117.8	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°	1776.7	26.9
0°-40°	2910.8	44.0
0°-60°	5178.5	78.4
0°-90°	6608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2287	2287	2287	2287	2287	
5°	2277	2293	2271	2273	2286	216
15°	2186	2204	2190	2201	2216	616
25°	2010	2036	2029	2048	2067	926
35°	1770	1794	1806	1836	1855	1107
45°	1479	1508	1532	1571	1589	1139
55°	1141	1176	1215	1253	1273	1021
65°	782	814	859	884	890	771
75°	398	432	455	466	468	422
85°	72	84	106	110	113	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2287.3	2287.3	2287.3	2287.3	2287.3
2.5°	2284.5	2300.6	2275.9	2280.6	2285.4
5°	2276.8	2293.0	2271.1	2273.0	2286.4
7.5°	2262.6	2280.6	2257.8	2261.6	2277.8
10°	2242.6	2260.7	2240.7	2244.5	2260.7
12.5°	2216.9	2235.0	2217.8	2223.5	2241.6
15°	2185.5	2204.5	2190.2	2200.7	2215.9
17.5°	2147.4	2171.2	2156.0	2172.1	2187.4
20°	2107.4	2131.2	2119.8	2134.1	2152.1
22.5°	2061.7	2085.5	2076.9	2092.2	2112.2
25°	2010.3	2036.0	2029.4	2048.4	2067.4
27.5°	1957.0	1981.8	1979.9	2000.8	2020.8
30°	1897.0	1923.7	1924.7	1949.4	1968.4
32.5°	1837.1	1860.9	1866.6	1894.2	1916.1
35°	1769.5	1794.2	1805.7	1836.1	1855.2
37.5°	1701.0	1728.6	1740.9	1774.3	1794.2
40°	1625.8	1657.2	1674.3	1709.5	1730.5
42.5°	1554.4	1582.9	1605.8	1641.0	1660.0
45°	1479.2	1507.7	1531.5	1570.6	1588.6
47.5°	1398.3	1429.7	1455.4	1493.5	1513.5
50°	1312.6	1346.9	1379.2	1416.4	1437.3
52.5°	1227.9	1261.2	1298.3	1334.5	1355.4
55°	1141.3	1175.5	1214.6	1252.6	1272.6
57.5°	1053.7	1088.0	1130.8	1165.1	1186.0
60°	968.0	999.4	1043.2	1077.5	1094.6
62.5°	870.9	907.1	951.9	986.1	995.6
65°	781.5	813.8	858.6	884.3	890.0
67.5°	686.3	718.7	763.4	777.7	786.2
70°	590.2	624.4	663.4	673.0	679.6
72.5°	493.1	528.3	558.7	568.3	574.0
75°	397.9	432.1	455.0	466.4	468.3
77.5°	305.5	337.0	357.9	371.2	371.2
80°	218.0	241.8	264.6	278.9	277.9
82.5°	139.0	157.1	180.9	191.3	198.0
85°	72.3	83.8	105.7	110.4	113.3
87.5°	22.8	29.5	38.1	31.4	30.5
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	18.78	20.43	19.14	20.74	21.05	19.32	20.97	19.68	21.28	21.60
	3H	20.55	22.04	20.92	22.37	22.73	21.18	22.67	21.55	23.00	23.36
	4H	21.17	22.58	21.57	22.93	23.30	21.85	23.26	22.25	23.60	23.98
	6H	21.58	22.88	21.99	23.25	23.64	22.33	23.64	22.74	24.00	24.39
	8H	21.68	22.93	22.10	23.31	23.71	22.49	23.74	22.91	24.13	24.52
	12H	21.73	22.92	22.15	23.30	23.73	22.59	23.78	23.02	24.16	24.59
4H	2H	19.51	20.92	19.91	21.27	21.64	19.94	21.34	20.33	21.69	22.07
	3H	21.51	22.69	21.92	23.09	23.48	22.01	23.20	22.42	23.59	23.99
	4H	22.26	23.33	22.69	23.74	24.17	22.82	23.88	23.25	24.30	24.73
	6H	22.77	23.71	23.23	24.15	24.60	23.43	24.37	23.88	24.81	25.26
	8H	22.91	23.79	23.37	24.23	24.69	23.63	24.51	24.09	24.95	25.41
	12H	22.99	23.77	23.47	24.25	24.72	23.77	24.56	24.25	25.03	25.50
8H	4H	22.61	23.49	23.07	23.93	24.39	23.11	23.98	23.56	24.42	24.89
	6H	23.24	23.97	23.74	24.46	24.93	23.84	24.56	24.33	25.05	25.53
	8H	23.44	24.09	23.95	24.60	25.08	24.11	24.76	24.62	25.27	25.75
	12H	23.56	24.14	24.07	24.63	25.19	24.32	24.89	24.82	25.38	25.94
12H	4H	22.65	23.44	23.13	23.91	24.38	23.13	23.92	23.61	24.39	24.86
	6H	23.31	23.96	23.82	24.47	24.95	23.88	24.53	24.39	25.04	25.52
	8H	23.56	24.13	24.06	24.62	25.18	24.21	24.78	24.71	25.27	25.83