

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: P1585849

Luminaire Tested: 14CZSP-SB-65-L945

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585849
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-L945
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 6200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

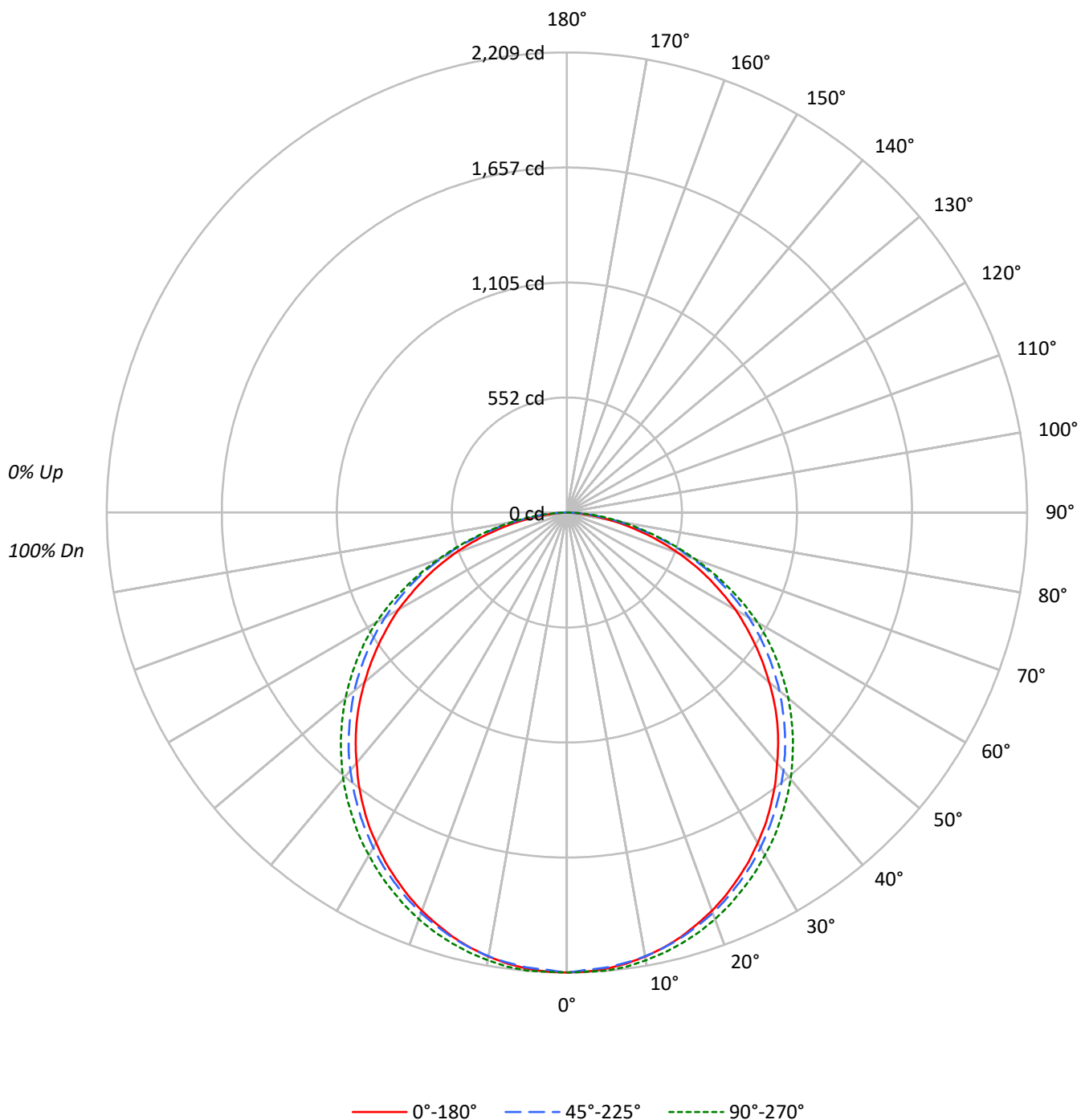
Lumens per Lamp: N/A
Luminaire Lumens: 6381.0 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	7442	7442	7442
5°	7437	7418	7468
10°	7409	7403	7469
15°	7362	7378	7465
20°	7297	7340	7452
25°	7218	7286	7422
30°	7128	7231	7396
35°	7029	7172	7369
40°	6905	7112	7350
45°	6807	7047	7310
50°	6644	6982	7276
55°	6474	6890	7219
60°	6300	6789	7123
65°	6017	6610	6852
70°	5615	6312	6466
75°	5002	5721	5887
80°	4085	4958	5208
85°	2702	3943	4230

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7310 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.2	3.3
10°-20°	599.2	9.4
20°-30°	907.2	14.2
30°-40°	1095.1	17.2
40°-50°	1143.6	17.9
50°-60°	1046.2	16.4
60°-70°	808.8	12.7
70°-80°	457.9	7.2
80°-90°	113.7	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°	1715.7	26.9
0°-40°	2810.8	44.0
0°-60°	5000.6	78.4
0°-90°	6381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2209	2209	2209	2209	2209	
5°	2199	2214	2193	2195	2208	209
15°	2110	2129	2115	2125	2140	595
25°	1941	1966	1960	1978	1996	895
35°	1709	1733	1744	1773	1791	1069
45°	1428	1456	1479	1517	1534	1100
55°	1102	1135	1173	1210	1229	985
65°	755	786	829	854	859	745
75°	384	417	439	450	452	407
85°	70	81	102	107	109	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2208.7	2208.7	2208.7	2208.7	2208.7
2.5°	2206.0	2221.6	2197.7	2202.3	2206.9
5°	2198.6	2214.2	2193.1	2194.9	2207.8
7.5°	2184.8	2202.3	2180.2	2183.9	2199.5
10°	2165.5	2183.0	2163.7	2167.4	2183.0
12.5°	2140.7	2158.2	2141.6	2147.2	2164.6
15°	2110.4	2128.8	2115.0	2125.1	2139.8
17.5°	2073.6	2096.6	2081.9	2097.5	2112.2
20°	2035.0	2058.0	2047.0	2060.7	2078.2
22.5°	1990.9	2013.9	2005.6	2020.3	2039.6
25°	1941.3	1966.1	1959.6	1978.0	1996.4
27.5°	1889.8	1913.7	1911.8	1932.1	1951.4
30°	1831.9	1857.6	1858.5	1882.4	1900.8
32.5°	1774.0	1797.0	1802.5	1829.1	1850.3
35°	1708.7	1732.6	1743.6	1773.1	1791.4
37.5°	1642.5	1669.2	1681.1	1713.3	1732.6
40°	1569.9	1600.3	1616.8	1650.8	1671.0
42.5°	1501.0	1528.6	1550.6	1584.6	1603.0
45°	1428.4	1455.9	1478.9	1516.6	1534.1
47.5°	1350.2	1380.6	1405.4	1442.2	1461.5
50°	1267.5	1300.6	1331.9	1367.7	1387.9
52.5°	1185.7	1217.9	1253.7	1288.7	1308.9
55°	1102.1	1135.2	1172.8	1209.6	1228.9
57.5°	1017.5	1050.6	1092.0	1125.0	1145.3
60°	934.8	965.1	1007.4	1040.5	1057.0
62.5°	841.0	876.0	919.2	952.2	961.4
65°	754.6	785.9	829.1	853.9	859.4
67.5°	662.7	694.0	737.2	751.0	759.2
70°	569.9	603.0	640.7	649.8	656.3
72.5°	476.1	510.1	539.5	548.7	554.3
75°	384.2	417.3	439.4	450.4	452.2
77.5°	295.0	325.4	345.6	358.5	358.5
80°	210.5	233.5	255.5	269.3	268.4
82.5°	134.2	151.7	174.6	184.8	191.2
85°	69.9	80.9	102.0	106.6	109.4
87.5°	22.1	28.5	36.8	30.3	29.4
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	18.65	20.30	19.02	20.62	20.93	19.19	20.84	19.56	21.16	21.47
	3H	20.43	21.92	20.80	22.25	22.61	21.05	22.55	21.43	22.87	23.23
	4H	21.05	22.46	21.45	22.81	23.18	21.73	23.13	22.12	23.48	23.86
	6H	21.46	22.76	21.87	23.12	23.52	22.21	23.52	22.62	23.88	24.27
	8H	21.56	22.80	21.98	23.19	23.59	22.37	23.62	22.79	24.00	24.40
	12H	21.60	22.80	22.03	23.18	23.61	22.47	23.66	22.90	24.04	24.47
4H	2H	19.39	20.80	19.79	21.15	21.52	19.81	21.22	20.21	21.57	21.94
	3H	21.38	22.57	21.79	22.96	23.36	21.89	23.07	22.30	23.47	23.87
	4H	22.13	23.20	22.57	23.62	24.05	22.69	23.76	23.12	24.18	24.61
	6H	22.65	23.59	23.11	24.03	24.48	23.31	24.24	23.76	24.68	25.14
	8H	22.79	23.66	23.25	24.11	24.57	23.51	24.39	23.97	24.83	25.29
	12H	22.87	23.65	23.34	24.13	24.60	23.65	24.44	24.13	24.91	25.38
8H	4H	22.49	23.36	22.95	23.81	24.27	22.98	23.86	23.44	24.30	24.76
	6H	23.12	23.85	23.61	24.34	24.81	23.72	24.44	24.21	24.93	25.41
	8H	23.32	23.97	23.82	24.47	24.96	23.99	24.64	24.50	25.15	25.63
	12H	23.44	24.02	23.95	24.51	25.07	24.20	24.77	24.70	25.26	25.82
12H	4H	22.53	23.32	23.01	23.79	24.26	23.01	23.79	23.49	24.27	24.74
	6H	23.19	23.84	23.69	24.35	24.83	23.76	24.41	24.27	24.92	25.40
	8H	23.44	24.01	23.94	24.50	25.06	24.09	24.66	24.59	25.15	25.71