

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: P1584809

Luminaire Tested: 14CZSP-A-75-L945

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-75-L945
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 7200 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

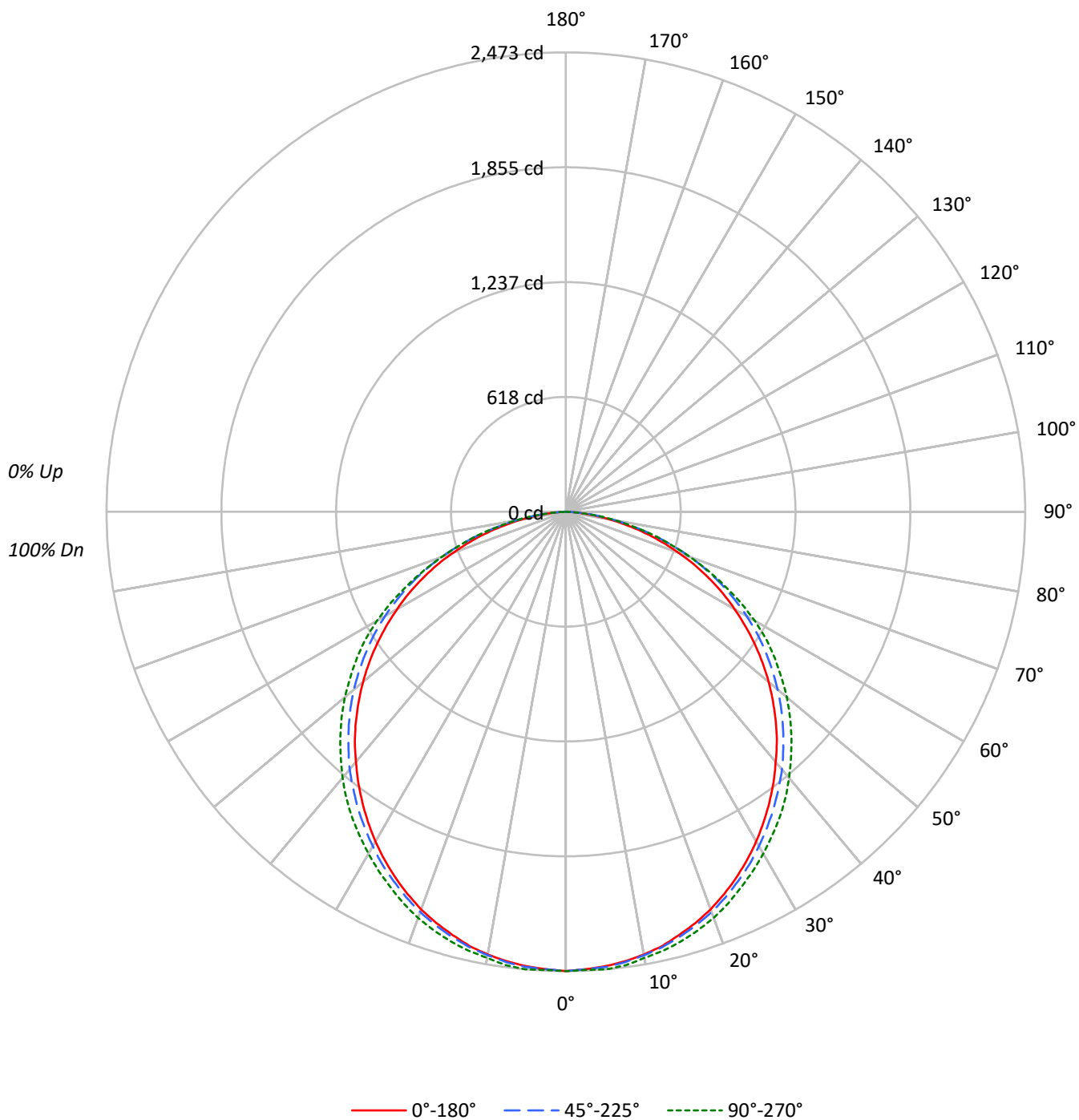
Lumens per Lamp: N/A
Luminaire Lumens: 7135.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
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

TEST NUMBER: P1584809

CATALOG NUMBER: 14CZSP-A-75-L945

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	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	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	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		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°	8332	8332	8332
5°	8307	8321	8364
10°	8280	8294	8345
15°	8227	8264	8353
20°	8169	8222	8344
25°	8077	8155	8297
30°	7975	8090	8272
35°	7857	8023	8257
40°	7732	7965	8225
45°	7621	7882	8185
50°	7474	7807	8139
55°	7295	7705	8065
60°	7071	7584	7912
65°	6797	7370	7522
70°	6377	7002	7002
75°	5728	6361	6388
80°	4721	5377	5377
85°	3271	3924	3433

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8185 cd/sqm

TEST NUMBER: P1584809

CATALOG NUMBER: 14CZSP-A-75-L945

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	3.3
10°-20°	670.8	9.4
20°-30°	1015.3	14.2
30°-40°	1225.7	17.2
40°-50°	1280.5	17.9
50°-60°	1173.1	16.4
60°-70°	904.4	12.7
70°-80°	510.2	7.2
80°-90°	120.8	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°	1920.3	26.9
0°-40°	3146.0	44.1
0°-60°	5599.6	78.5
0°-90°	7135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2473	2473	2473	2473	2473	
5°	2456	2473	2460	2464	2473	233
15°	2358	2373	2369	2388	2394	666
25°	2172	2191	2194	2223	2232	1001
35°	1910	1936	1950	1993	2007	1195
45°	1599	1627	1654	1703	1718	1233
55°	1242	1273	1312	1360	1373	1109
65°	852	880	924	956	943	843
75°	440	474	489	501	491	466
85°	85	95	102	108	89	107
90°	0	0	0	0	0	

TEST NUMBER: P1584809

CATALOG NUMBER: 14CZSP-A-75-L945

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2472.8	2472.8	2472.8	2472.8	2472.8
2.5°	2464.3	2481.2	2464.3	2472.8	2468.5
5°	2455.8	2472.8	2460.1	2464.3	2472.8
7.5°	2441.0	2458.0	2445.3	2451.6	2462.2
10°	2419.9	2436.8	2424.1	2434.7	2438.9
12.5°	2394.5	2409.3	2400.8	2413.5	2419.9
15°	2358.5	2373.3	2369.1	2388.1	2394.5
17.5°	2320.5	2337.4	2333.2	2356.4	2362.8
20°	2278.2	2293.0	2293.0	2314.1	2326.8
22.5°	2227.4	2244.3	2246.4	2269.7	2282.4
25°	2172.4	2191.4	2193.5	2223.2	2231.6
27.5°	2113.2	2132.2	2140.7	2172.4	2180.9
30°	2049.7	2068.7	2079.3	2115.3	2125.9
32.5°	1982.0	2005.3	2015.9	2056.1	2066.6
35°	1910.1	1935.5	1950.3	1992.6	2007.4
37.5°	1836.1	1861.4	1880.5	1924.9	1941.8
40°	1757.8	1785.3	1810.7	1855.1	1869.9
42.5°	1681.6	1709.1	1732.4	1778.9	1793.8
45°	1599.2	1626.6	1654.1	1702.8	1717.6
47.5°	1512.4	1542.0	1573.8	1618.2	1637.2
50°	1425.7	1455.3	1489.2	1535.7	1552.6
52.5°	1334.7	1366.5	1400.3	1449.0	1461.7
55°	1241.7	1273.4	1311.5	1360.1	1372.8
57.5°	1146.5	1180.3	1220.5	1267.1	1279.7
60°	1049.2	1083.0	1125.3	1169.7	1174.0
62.5°	954.0	983.6	1025.9	1068.2	1061.9
65°	852.5	880.0	924.4	956.1	943.4
67.5°	750.9	780.5	820.7	844.0	827.1
70°	647.3	679.0	710.7	727.7	710.7
72.5°	543.6	577.5	600.7	611.3	596.5
75°	440.0	473.8	488.6	501.3	490.7
77.5°	340.6	372.3	378.6	393.4	378.6
80°	243.3	272.9	277.1	291.9	277.1
82.5°	156.5	175.6	184.0	196.7	181.9
85°	84.6	95.2	101.5	107.9	88.8
87.5°	29.6	33.8	29.6	25.4	10.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584809

CATALOG NUMBER: 14CZSP-A-75-L945

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	19.08	20.73	19.44	21.04	21.36	19.62	21.27	19.99	21.59	21.90
	3H	20.87	22.36	21.24	22.69	23.05	21.43	22.92	21.81	23.25	23.61
	4H	21.51	22.91	21.90	23.26	23.63	22.08	23.48	22.47	23.83	24.20
	6H	21.93	23.23	22.34	23.60	23.99	22.51	23.82	22.93	24.18	24.57
	8H	22.04	23.28	22.46	23.67	24.07	22.64	23.88	23.06	24.27	24.67
	12H	22.09	23.29	22.52	23.67	24.10	22.69	23.89	23.12	24.27	24.70
4H	2H	19.81	21.21	20.20	21.56	21.93	20.23	21.64	20.63	21.98	22.36
	3H	21.81	22.99	22.22	23.39	23.79	22.27	23.45	22.68	23.84	24.24
	4H	22.58	23.65	23.01	24.06	24.50	23.05	24.11	23.48	24.53	24.96
	6H	23.12	24.06	23.58	24.50	24.95	23.61	24.55	24.07	24.99	25.44
	8H	23.27	24.14	23.73	24.58	25.05	23.78	24.65	24.24	25.09	25.56
	12H	23.35	24.14	23.83	24.61	25.08	23.87	24.66	24.35	25.13	25.60
8H	4H	22.92	23.80	23.38	24.24	24.70	23.33	24.21	23.79	24.65	25.11
	6H	23.58	24.31	24.07	24.79	25.27	24.02	24.74	24.51	25.23	25.70
	8H	23.79	24.44	24.30	24.94	25.43	24.25	24.90	24.76	25.41	25.89
	12H	23.92	24.50	24.43	24.99	25.55	24.40	24.97	24.91	25.47	26.03
12H	4H	22.96	23.74	23.44	24.22	24.69	23.36	24.15	23.84	24.62	25.09
	6H	23.64	24.29	24.15	24.79	25.28	24.06	24.71	24.57	25.22	25.70
	8H	23.90	24.47	24.40	24.96	25.52	24.34	24.92	24.85	25.41	25.97