

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: P1584798

Luminaire Tested: 14CZSP-A-75-L845-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-75-L845-S
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 7200 lumens, 80CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

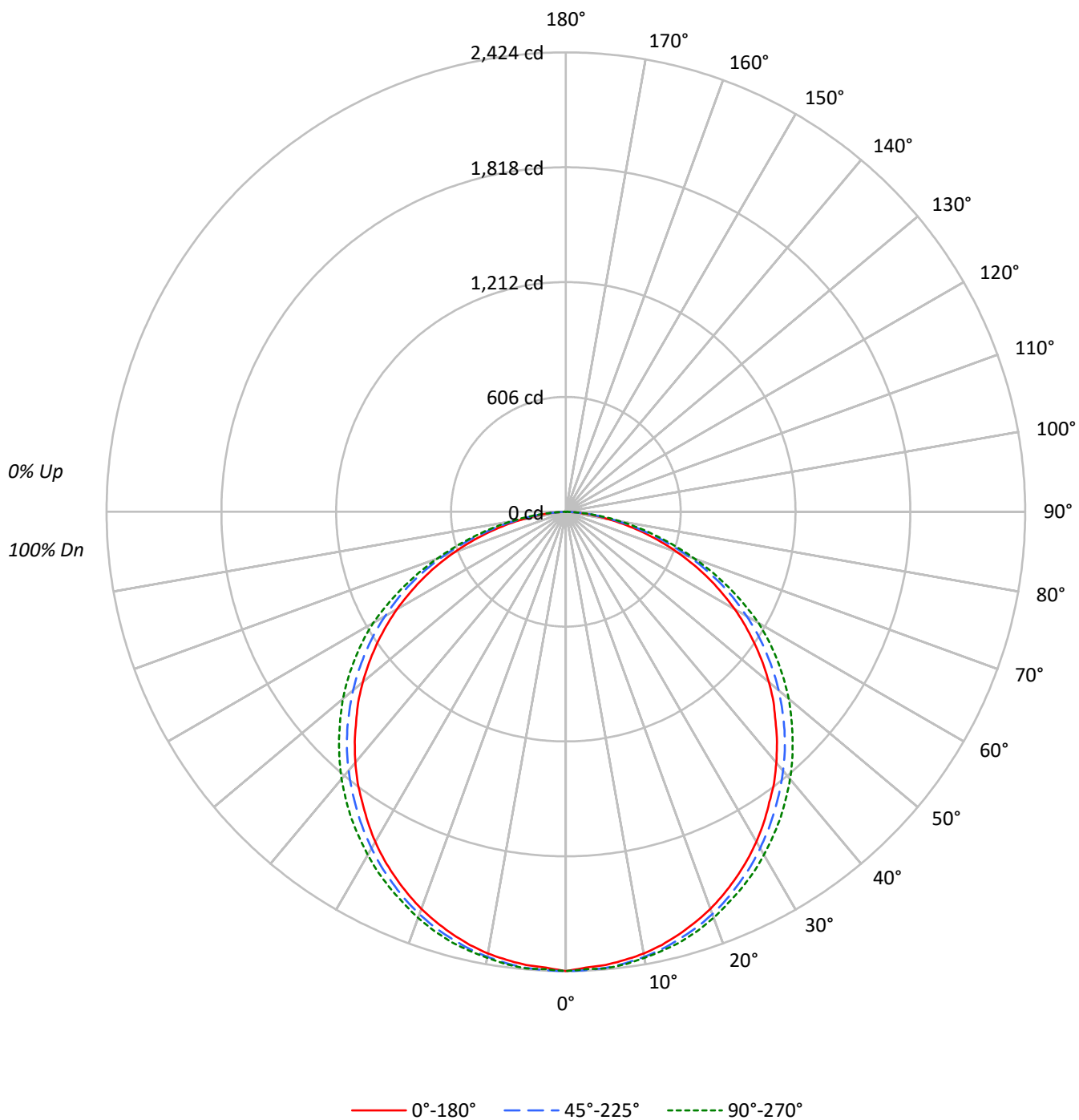
Lumens per Lamp: N/A
Luminaire Lumens: 7007.0 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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	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	52		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	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°	8167	8167	8167
5°	8121	8174	8181
10°	8099	8159	8176
15°	8052	8135	8192
20°	7996	8103	8177
25°	7915	8041	8152
30°	7825	7978	8134
35°	7700	7908	8120
40°	7599	7844	8098
45°	7456	7775	8065
50°	7331	7683	8050
55°	7156	7574	7998
60°	6937	7423	7916
65°	6628	7220	7590
70°	6178	6819	7123
75°	5519	6150	6499
80°	4523	5183	5684
85°	3031	3789	4226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8065 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	3.3
10°-20°	658.1	9.4
20°-30°	996.5	14.2
30°-40°	1203.3	17.2
40°-50°	1257.6	17.9
50°-60°	1152.4	16.4
60°-70°	889.5	12.7
70°-80°	500.4	7.1
80°-90°	119.7	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°	1884.1	26.9
0°-40°	3087.4	44.1
0°-60°	5497.4	78.5
0°-90°	7007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2424	2424	2424	2424	2424	
5°	2401	2419	2416	2419	2419	228
15°	2308	2327	2332	2341	2348	651
25°	2129	2147	2163	2174	2193	981
35°	1872	1896	1922	1948	1974	1173
45°	1565	1596	1632	1665	1692	1209
55°	1218	1250	1289	1329	1361	1088
65°	831	867	906	942	952	821
75°	424	463	472	492	499	449
85°	78	90	98	107	109	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2423.7	2423.7	2423.7	2423.7	2423.7
2.5°	2407.2	2425.8	2421.7	2427.9	2416.5
5°	2401.0	2418.6	2416.5	2418.6	2418.6
7.5°	2385.6	2404.1	2403.1	2406.2	2408.3
10°	2367.0	2384.5	2384.5	2387.6	2389.7
12.5°	2341.2	2359.8	2361.8	2367.0	2371.1
15°	2308.2	2326.8	2331.9	2341.2	2348.4
17.5°	2271.1	2290.7	2298.9	2308.2	2317.5
20°	2229.8	2247.4	2259.7	2267.0	2280.4
22.5°	2181.4	2201.0	2214.4	2221.6	2236.0
25°	2128.8	2147.3	2162.8	2174.1	2192.7
27.5°	2073.1	2091.6	2110.2	2123.6	2145.3
30°	2011.2	2030.8	2050.4	2071.0	2090.6
32.5°	1944.1	1966.8	1988.5	2011.2	2032.8
35°	1871.9	1895.7	1922.5	1948.3	1974.0
37.5°	1804.9	1826.6	1854.4	1882.3	1908.0
40°	1727.6	1751.3	1783.2	1814.2	1841.0
42.5°	1649.2	1675.0	1710.0	1739.9	1768.8
45°	1564.6	1595.5	1631.6	1664.6	1692.5
47.5°	1486.2	1513.0	1549.1	1585.2	1614.1
50°	1398.5	1428.5	1465.6	1503.7	1535.7
52.5°	1309.8	1340.8	1378.9	1417.1	1450.1
55°	1218.1	1250.0	1289.2	1329.4	1361.4
57.5°	1124.2	1158.2	1198.5	1238.7	1270.7
60°	1029.3	1063.3	1101.5	1145.9	1174.7
62.5°	930.3	968.5	1004.6	1045.8	1063.3
65°	831.3	867.4	905.5	941.6	952.0
67.5°	730.2	767.3	801.4	825.1	838.5
70°	627.1	667.3	692.1	714.7	723.0
72.5°	525.0	565.2	579.6	601.3	609.5
75°	423.9	463.1	472.4	492.0	499.2
77.5°	325.9	362.0	365.1	387.8	394.0
80°	233.1	262.0	267.1	288.8	292.9
82.5°	149.5	170.2	177.4	196.0	202.1
85°	78.4	89.7	98.0	107.3	109.3
87.5°	25.8	32.0	26.8	27.8	25.8
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	19.01	20.66	19.37	20.97	21.29	19.55	21.20	19.91	21.51	21.83
	3H	20.78	22.28	21.16	22.60	22.96	21.41	22.90	21.78	23.22	23.58
	4H	21.41	22.82	21.81	23.17	23.54	22.07	23.48	22.47	23.83	24.20
	6H	21.82	23.12	22.23	23.49	23.88	22.55	23.86	22.96	24.22	24.61
	8H	21.92	23.17	22.35	23.56	23.96	22.70	23.94	23.12	24.33	24.73
	12H	21.97	23.17	22.40	23.55	23.98	22.78	23.97	23.21	24.36	24.78
4H	2H	19.73	21.14	20.13	21.49	21.86	20.16	21.56	20.55	21.91	22.28
	3H	21.73	22.91	22.14	23.31	23.70	22.23	23.41	22.64	23.80	24.20
	4H	22.49	23.55	22.92	23.97	24.40	23.02	24.09	23.45	24.50	24.94
	6H	23.01	23.95	23.47	24.39	24.84	23.63	24.56	24.08	25.00	25.45
	8H	23.15	24.03	23.61	24.47	24.93	23.82	24.69	24.28	25.13	25.60
	12H	23.23	24.02	23.71	24.49	24.96	23.94	24.72	24.42	25.20	25.67
8H	4H	22.82	23.70	23.28	24.14	24.60	23.30	24.17	23.76	24.61	25.08
	6H	23.46	24.19	23.96	24.68	25.15	24.01	24.74	24.50	25.23	25.70
	8H	23.66	24.31	24.17	24.82	25.30	24.27	24.92	24.78	25.43	25.91
	12H	23.79	24.37	24.30	24.86	25.42	24.45	25.03	24.96	25.52	26.08
12H	4H	22.86	23.64	23.34	24.12	24.59	23.32	24.11	23.80	24.58	25.05
	6H	23.52	24.17	24.03	24.68	25.16	24.05	24.70	24.56	25.21	25.69
	8H	23.77	24.34	24.28	24.83	25.39	24.36	24.93	24.86	25.42	25.98