

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: P1584494

Luminaire Tested: 14CZSP-75-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584494
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-75-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 7200 lumens, 80CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

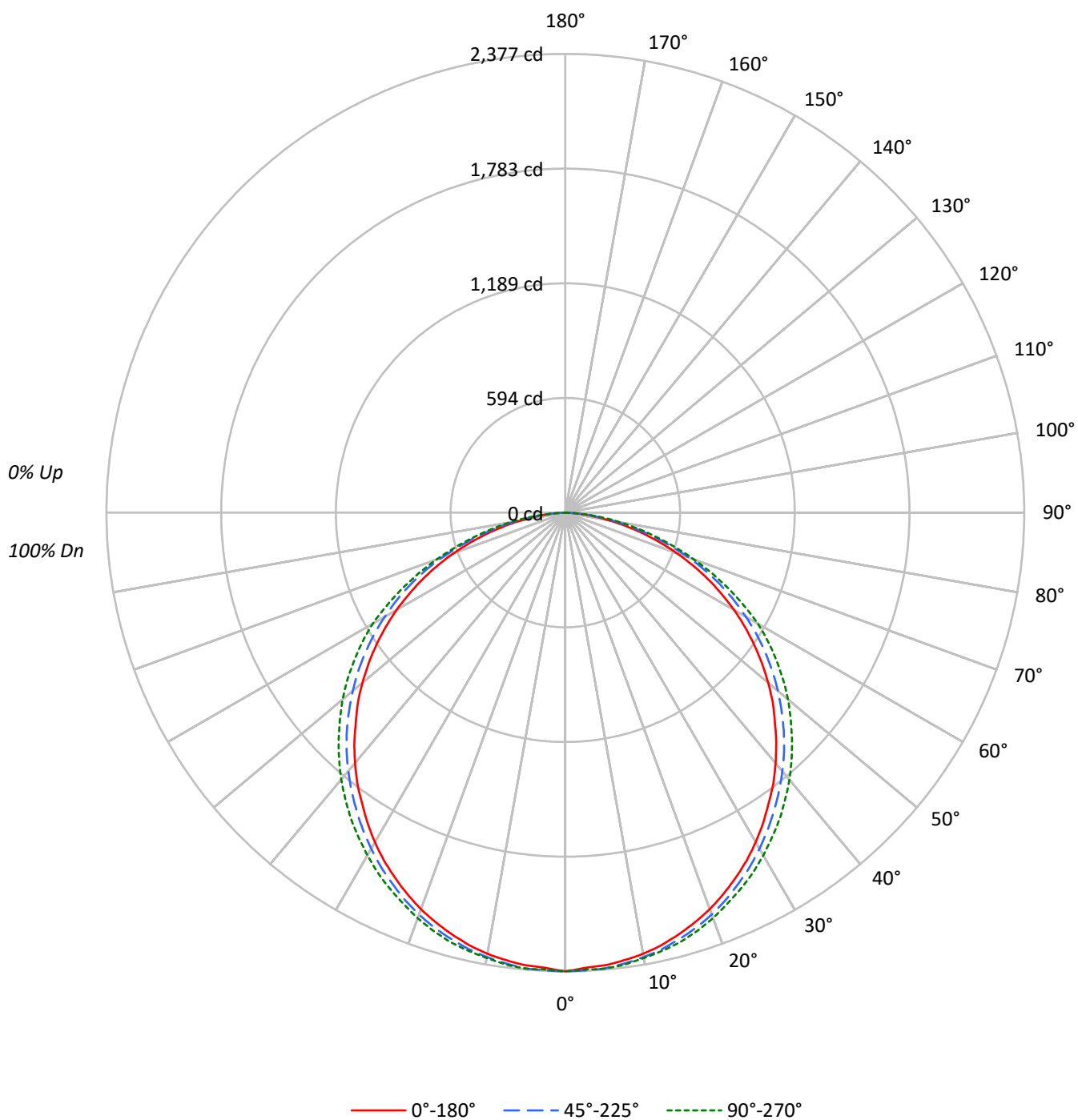
Lumens per Lamp: N/A
Luminaire Lumens: 6872.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	8009	8009	8009
5°	7965	8016	8023
10°	7943	8002	8019
15°	7897	7978	8035
20°	7842	7947	8019
25°	7762	7886	7995
30°	7674	7824	7977
35°	7552	7756	7964
40°	7453	7693	7942
45°	7312	7625	7910
50°	7190	7535	7895
55°	7018	7428	7844
60°	6803	7280	7764
65°	6500	7081	7444
70°	6059	6687	6986
75°	5412	6032	6374
80°	4436	5084	5575
85°	2973	3715	4145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.1	3.3
10°-20°	645.4	9.4
20°-30°	977.2	14.2
30°-40°	1180.2	17.2
40°-50°	1233.3	17.9
50°-60°	1130.2	16.4
60°-70°	872.4	12.7
70°-80°	490.7	7.1
80°-90°	117.4	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°	1847.8	26.9
0°-40°	3027.9	44.1
0°-60°	5391.5	78.5
0°-90°	6872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2377	2377	2377	2377	2377	
5°	2355	2372	2370	2372	2372	224
15°	2264	2282	2287	2296	2303	639
25°	2088	2106	2121	2132	2150	962
35°	1836	1859	1885	1911	1936	1150
45°	1534	1565	1600	1633	1660	1186
55°	1195	1226	1264	1304	1335	1067
65°	815	851	888	924	934	806
75°	416	454	463	482	490	441
85°	77	88	96	105	107	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2377.0	2377.0	2377.0	2377.0	2377.0
2.5°	2360.8	2379.1	2375.0	2381.1	2370.0
5°	2354.8	2372.0	2370.0	2372.0	2372.0
7.5°	2339.6	2357.8	2356.8	2359.8	2361.9
10°	2321.4	2338.6	2338.6	2341.6	2343.7
12.5°	2296.1	2314.3	2316.3	2321.4	2325.4
15°	2263.7	2281.9	2287.0	2296.1	2303.2
17.5°	2227.3	2246.5	2254.6	2263.7	2272.8
20°	2186.9	2204.1	2216.2	2223.3	2236.4
22.5°	2139.3	2158.5	2171.7	2178.8	2192.9
25°	2087.7	2105.9	2121.1	2132.2	2150.5
27.5°	2033.1	2051.3	2069.5	2082.7	2103.9
30°	1972.4	1991.6	2010.9	2031.1	2050.3
32.5°	1906.7	1928.9	1950.2	1972.4	1993.7
35°	1835.9	1859.1	1885.4	1910.7	1936.0
37.5°	1770.1	1791.4	1818.7	1846.0	1871.3
40°	1694.3	1717.5	1748.9	1779.2	1805.5
42.5°	1617.4	1642.7	1677.1	1706.4	1734.7
45°	1534.4	1564.8	1600.2	1632.6	1659.9
47.5°	1457.6	1483.9	1519.3	1554.7	1583.0
50°	1371.6	1400.9	1437.3	1474.8	1506.1
52.5°	1284.6	1315.0	1352.4	1389.8	1422.2
55°	1194.6	1225.9	1264.4	1303.8	1335.2
57.5°	1102.5	1135.9	1175.4	1214.8	1246.2
60°	1009.5	1042.9	1080.3	1123.8	1152.1
62.5°	912.4	949.8	985.2	1025.7	1042.9
65°	815.3	850.7	888.1	923.5	933.6
67.5°	716.1	752.6	785.9	809.2	822.4
70°	615.0	654.4	678.7	701.0	709.1
72.5°	514.9	554.3	568.5	589.7	597.8
75°	415.7	454.2	463.3	482.5	489.6
77.5°	319.6	355.0	358.1	380.3	386.4
80°	228.6	256.9	262.0	283.2	287.3
82.5°	146.7	166.9	174.0	192.2	198.3
85°	76.9	88.0	96.1	105.2	107.2
87.5°	25.3	31.4	26.3	27.3	25.3
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	18.94	20.59	19.31	20.91	21.22	19.48	21.13	19.85	21.45	21.76
	3H	20.72	22.21	21.09	22.54	22.90	21.34	22.83	21.71	23.16	23.52
	4H	21.34	22.75	21.74	23.10	23.47	22.01	23.41	22.40	23.76	24.14
	6H	21.75	23.06	22.16	23.42	23.81	22.48	23.79	22.89	24.15	24.54
	8H	21.86	23.10	22.28	23.49	23.89	22.63	23.88	23.05	24.26	24.66
	12H	21.91	23.10	22.33	23.48	23.91	22.71	23.91	23.14	24.29	24.72
4H	2H	19.67	21.07	20.06	21.42	21.79	20.09	21.49	20.49	21.84	22.22
	3H	21.66	22.84	22.07	23.24	23.64	22.16	23.34	22.57	23.74	24.14
	4H	22.42	23.49	22.85	23.90	24.33	22.96	24.02	23.39	24.44	24.87
	6H	22.95	23.88	23.40	24.32	24.77	23.56	24.49	24.01	24.93	25.39
	8H	23.08	23.96	23.54	24.40	24.86	23.75	24.62	24.21	25.07	25.53
	12H	23.16	23.95	23.64	24.42	24.89	23.87	24.66	24.35	25.13	25.60
8H	4H	22.75	23.63	23.21	24.07	24.53	23.23	24.11	23.69	24.55	25.01
	6H	23.39	24.12	23.89	24.61	25.08	23.94	24.67	24.44	25.16	25.63
	8H	23.59	24.25	24.10	24.75	25.24	24.20	24.85	24.71	25.36	25.84
	12H	23.72	24.30	24.23	24.79	25.35	24.38	24.96	24.89	25.45	26.01
12H	4H	22.79	23.58	23.27	24.05	24.52	23.26	24.04	23.74	24.52	24.98
	6H	23.45	24.10	23.96	24.61	25.09	23.98	24.63	24.49	25.14	25.62
	8H	23.70	24.28	24.21	24.77	25.33	24.29	24.86	24.79	25.35	25.91