

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: P1584795

Luminaire Tested: 14CZSP-A-75-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584795
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-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 7200 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

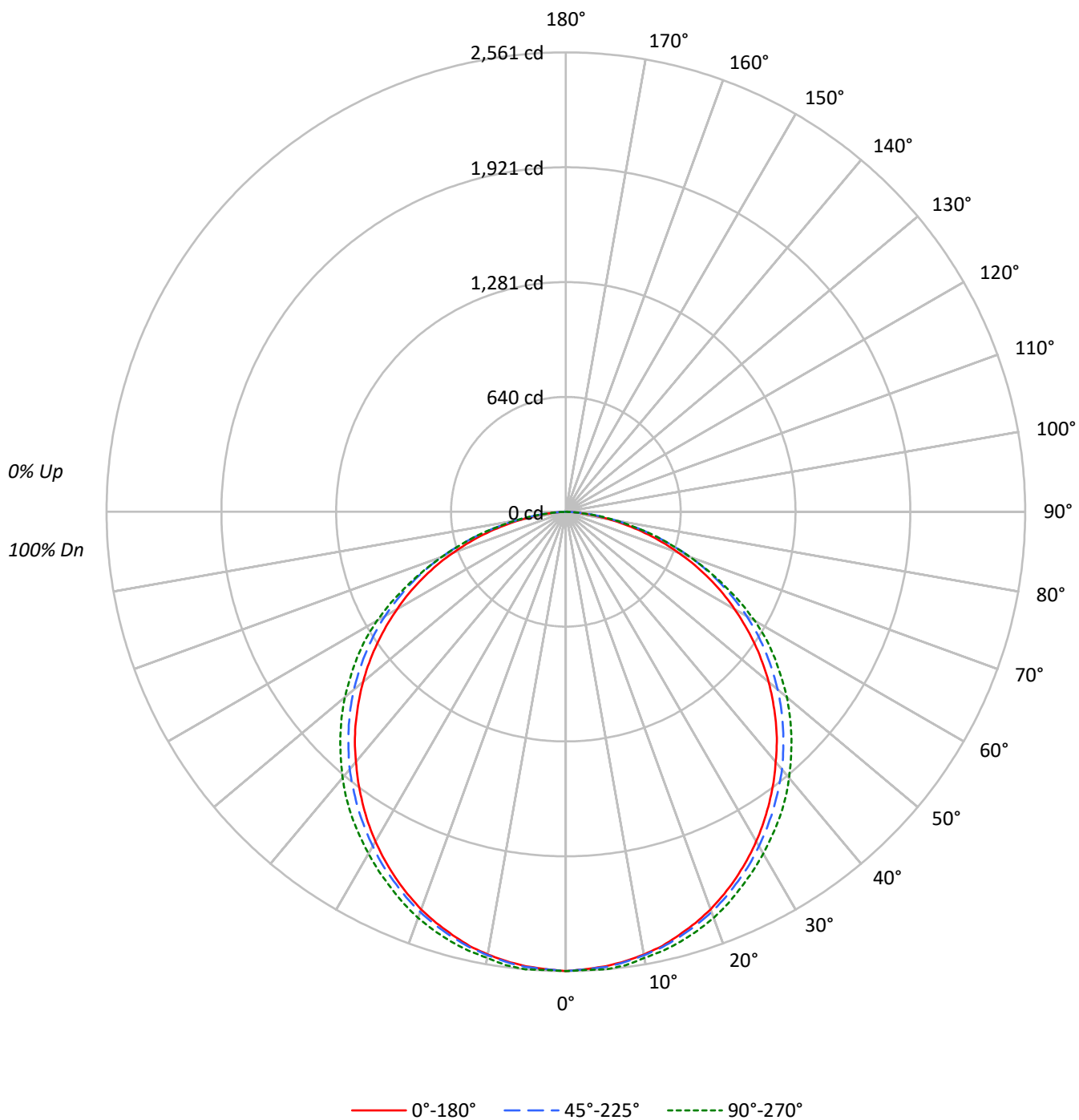
Lumens per Lamp: N/A
Luminaire Lumens: 7389.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1584795

CATALOG NUMBER: 14CZSP-A-75-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1584795

CATALOG NUMBER: 14CZSP-A-75-L835

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°	8629	8629	8629
5°	8603	8617	8662
10°	8574	8589	8642
15°	8521	8559	8650
20°	8460	8515	8640
25°	8364	8446	8592
30°	8259	8378	8566
35°	8137	8308	8552
40°	8007	8248	8518
45°	7892	8163	8477
50°	7740	8084	8429
55°	7554	7979	8352
60°	7322	7854	8193
65°	7039	7633	7790
70°	6604	7251	7251
75°	5931	6588	6616
80°	4888	5569	5569
85°	3387	4063	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8477 cd/sqm

TEST NUMBER: P1584795

CATALOG NUMBER: 14CZSP-A-75-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	3.3
10°-20°	694.7	9.4
20°-30°	1051.4	14.2
30°-40°	1269.3	17.2
40°-50°	1326.1	17.9
50°-60°	1214.8	16.4
60°-70°	936.6	12.7
70°-80°	528.4	7.2
80°-90°	125.1	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°	1988.7	26.9
0°-40°	3258.0	44.1
0°-60°	5798.9	78.5
0°-90°	7389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2561	2561	2561	2561	2561	
5°	2543	2561	2548	2552	2561	242
15°	2442	2458	2454	2473	2480	689
25°	2250	2269	2272	2302	2311	1037
35°	1978	2004	2020	2064	2079	1238
45°	1656	1685	1713	1763	1779	1277
55°	1286	1319	1358	1408	1422	1149
65°	883	911	957	990	977	873
75°	456	491	506	519	508	483
85°	88	99	105	112	92	110
90°	0	0	0	0	0	

TEST NUMBER: P1584795

CATALOG NUMBER: 14CZSP-A-75-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2560.8	2560.8	2560.8	2560.8	2560.8
2.5°	2552.0	2569.6	2552.0	2560.8	2556.4
5°	2543.3	2560.8	2547.6	2552.0	2560.8
7.5°	2527.9	2545.5	2532.3	2538.9	2549.8
10°	2506.0	2523.5	2510.4	2521.4	2525.7
12.5°	2479.7	2495.1	2486.3	2499.5	2506.0
15°	2442.5	2457.8	2453.5	2473.2	2479.7
17.5°	2403.1	2420.6	2416.2	2440.3	2446.9
20°	2359.3	2374.6	2374.6	2396.5	2409.6
22.5°	2306.7	2324.2	2326.4	2350.5	2363.6
25°	2249.7	2269.4	2271.6	2302.3	2311.1
27.5°	2188.4	2208.1	2216.9	2249.7	2258.5
30°	2122.7	2142.4	2153.3	2190.6	2201.5
32.5°	2052.6	2076.7	2087.6	2129.2	2140.2
35°	1978.1	2004.4	2019.7	2063.5	2078.9
37.5°	1901.4	1927.7	1947.4	1993.4	2011.0
40°	1820.4	1848.9	1875.1	1921.1	1936.5
42.5°	1741.5	1770.0	1794.1	1842.3	1857.6
45°	1656.1	1684.6	1713.0	1763.4	1778.8
47.5°	1566.3	1596.9	1629.8	1675.8	1695.5
50°	1476.5	1507.1	1542.2	1590.4	1607.9
52.5°	1382.3	1415.1	1450.2	1500.5	1513.7
55°	1285.9	1318.7	1358.2	1408.5	1421.7
57.5°	1187.3	1222.3	1264.0	1312.2	1325.3
60°	1086.5	1121.6	1165.4	1211.4	1215.8
62.5°	988.0	1018.6	1062.4	1106.2	1099.7
65°	882.8	911.3	957.3	990.1	977.0
67.5°	777.7	808.3	849.9	874.0	856.5
70°	670.3	703.2	736.0	753.6	736.0
72.5°	563.0	598.0	622.1	633.1	617.7
75°	455.6	490.7	506.0	519.2	508.2
77.5°	352.7	385.5	392.1	407.4	392.1
80°	251.9	282.6	287.0	302.3	287.0
82.5°	162.1	181.8	190.6	203.7	188.4
85°	87.6	98.6	105.1	111.7	92.0
87.5°	30.7	35.0	30.7	26.3	11.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584795

CATALOG NUMBER: 14CZSP-A-75-L835

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	19.20	20.85	19.56	21.16	21.48	19.74	21.39	20.11	21.71	22.02
	3H	20.99	22.48	21.36	22.81	23.17	21.55	23.04	21.93	23.37	23.73
	4H	21.63	23.03	22.02	23.38	23.76	22.20	23.60	22.59	23.95	24.33
	6H	22.05	23.36	22.46	23.72	24.11	22.64	23.94	23.05	24.30	24.69
	8H	22.16	23.41	22.58	23.79	24.19	22.76	24.00	23.18	24.39	24.79
	12H	22.21	23.41	22.64	23.79	24.22	22.82	24.01	23.25	24.39	24.82
4H	2H	19.93	21.33	20.32	21.68	22.06	20.35	21.76	20.75	22.11	22.48
	3H	21.93	23.11	22.34	23.51	23.91	22.39	23.57	22.80	23.97	24.37
	4H	22.70	23.77	23.13	24.18	24.62	23.17	24.24	23.60	24.65	25.08
	6H	23.25	24.18	23.70	24.62	25.07	23.74	24.67	24.19	25.11	25.56
	8H	23.39	24.26	23.85	24.71	25.17	23.90	24.77	24.36	25.22	25.68
	12H	23.48	24.26	23.95	24.74	25.20	23.99	24.78	24.47	25.25	25.72
8H	4H	23.04	23.92	23.50	24.36	24.82	23.46	24.33	23.92	24.77	25.24
	6H	23.70	24.43	24.20	24.92	25.39	24.14	24.86	24.63	25.35	25.83
	8H	23.91	24.56	24.42	25.07	25.55	24.37	25.02	24.88	25.53	26.01
	12H	24.05	24.62	24.55	25.11	25.67	24.52	25.10	25.03	25.59	26.15
12H	4H	23.08	23.87	23.56	24.34	24.81	23.48	24.27	23.96	24.74	25.21
	6H	23.76	24.41	24.27	24.92	25.40	24.18	24.83	24.69	25.34	25.82
	8H	24.02	24.59	24.52	25.08	25.64	24.46	25.04	24.97	25.53	26.09