

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: P1584797

Luminaire Tested: 14CZSP-A-75-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584797
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-L840
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

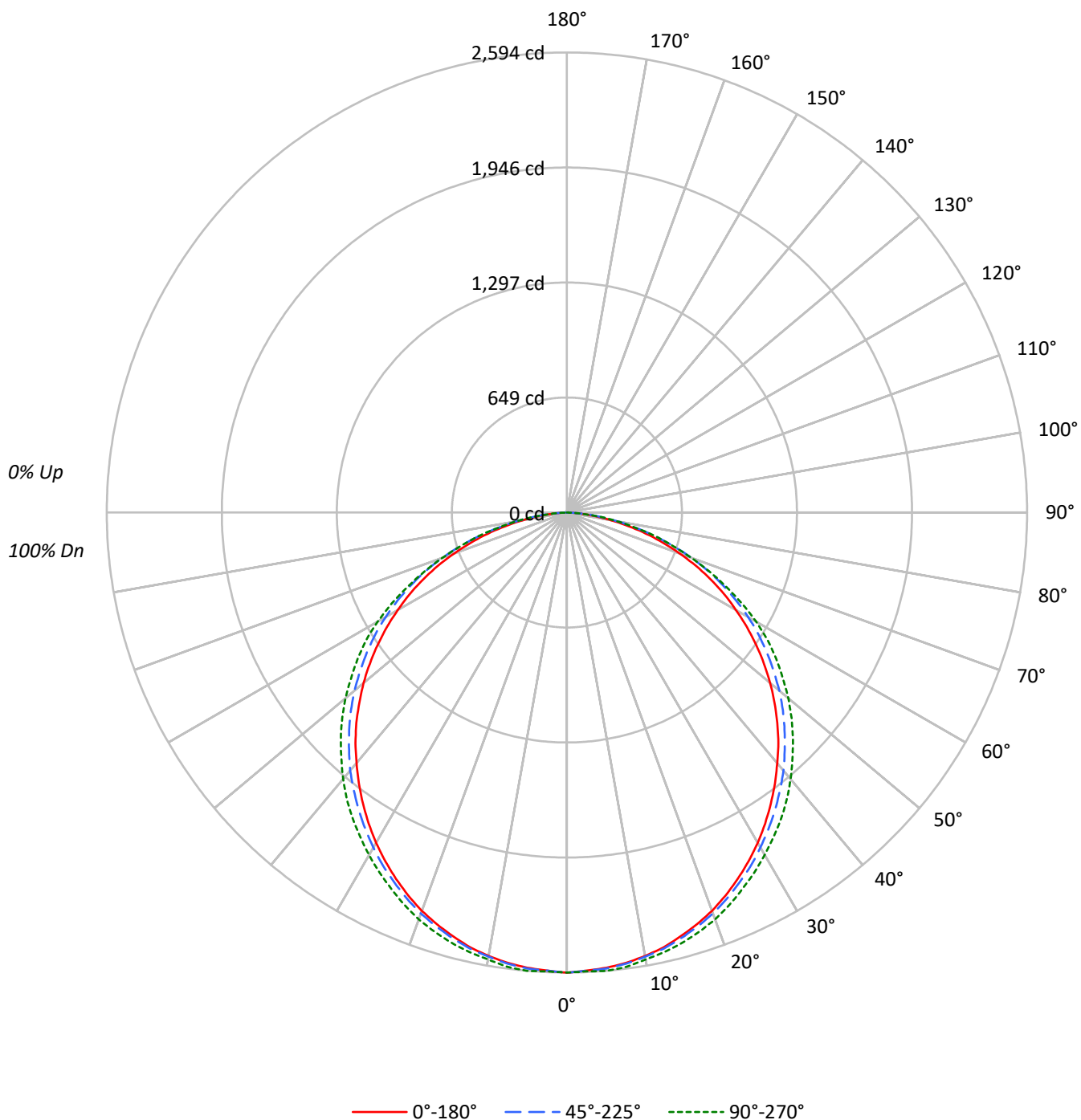
Lumens per Lamp: N/A
Luminaire Lumens: 7486.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1584797

CATALOG NUMBER: 14CZSP-A-75-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1584797

CATALOG NUMBER: 14CZSP-A-75-L840

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8742	8742	8742
5°	8716	8730	8775
10°	8687	8702	8755
15°	8633	8671	8764
20°	8571	8627	8754
25°	8474	8557	8705
30°	8367	8488	8678
35°	8244	8417	8664
40°	8112	8357	8630
45°	7995	8270	8588
50°	7841	8190	8539
55°	7654	8084	8462
60°	7418	7957	8301
65°	7131	7733	7892
70°	6690	7347	7347
75°	6010	6675	6704
80°	4952	5641	5641
85°	3433	4117	3603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8588 cd/sqm

TEST NUMBER: P1584797

CATALOG NUMBER: 14CZSP-A-75-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	3.3
10°-20°	703.8	9.4
20°-30°	1065.2	14.2
30°-40°	1286.0	17.2
40°-50°	1343.5	17.9
50°-60°	1230.8	16.4
60°-70°	948.9	12.7
70°-80°	535.4	7.2
80°-90°	126.7	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°	2014.8	26.9
0°-40°	3300.8	44.1
0°-60°	5875.0	78.5
0°-90°	7486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2594	2594	2594	2594	2594	
5°	2577	2594	2581	2586	2594	245
15°	2475	2490	2486	2506	2512	698
25°	2279	2299	2302	2332	2341	1050
35°	2004	2031	2046	2091	2106	1254
45°	1678	1707	1736	1787	1802	1293
55°	1303	1336	1376	1427	1440	1164
65°	894	923	970	1003	990	884
75°	462	497	513	526	515	489
85°	89	100	106	113	93	112
90°	0	0	0	0	0	

TEST NUMBER: P1584797

CATALOG NUMBER: 14CZSP-A-75-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2594.4	2594.4	2594.4	2594.4	2594.4
2.5°	2585.5	2603.3	2585.5	2594.4	2590.0
5°	2576.7	2594.4	2581.1	2585.5	2594.4
7.5°	2561.1	2578.9	2565.6	2572.2	2583.3
10°	2538.9	2556.7	2543.4	2554.5	2558.9
12.5°	2512.3	2527.8	2518.9	2532.3	2538.9
15°	2474.6	2490.1	2485.7	2505.6	2512.3
17.5°	2434.6	2452.4	2447.9	2472.3	2479.0
20°	2390.2	2405.8	2405.8	2428.0	2441.3
22.5°	2337.0	2354.7	2356.9	2381.3	2394.7
25°	2279.3	2299.2	2301.5	2332.5	2341.4
27.5°	2217.1	2237.1	2246.0	2279.3	2288.1
30°	2150.5	2170.5	2181.6	2219.3	2230.4
32.5°	2079.5	2103.9	2115.0	2157.2	2168.3
35°	2004.1	2030.7	2046.2	2090.6	2106.2
37.5°	1926.4	1953.0	1973.0	2019.6	2037.4
40°	1844.3	1873.1	1899.8	1946.4	1961.9
42.5°	1764.4	1793.2	1817.6	1866.5	1882.0
45°	1677.8	1706.7	1735.5	1786.6	1802.1
47.5°	1586.8	1617.9	1651.2	1697.8	1717.8
50°	1495.8	1526.9	1562.4	1611.2	1629.0
52.5°	1400.4	1433.7	1469.2	1520.2	1533.6
55°	1302.8	1336.0	1376.0	1427.0	1440.4
57.5°	1202.9	1238.4	1280.6	1329.4	1342.7
60°	1100.8	1136.3	1180.7	1227.3	1231.7
62.5°	1000.9	1032.0	1076.4	1120.8	1114.1
65°	894.4	923.2	969.9	1003.1	989.8
67.5°	787.9	818.9	861.1	885.5	867.8
70°	679.1	712.4	745.7	763.5	745.7
72.5°	570.4	605.9	630.3	641.4	625.9
75°	461.6	497.1	512.7	526.0	514.9
77.5°	357.3	390.6	397.3	412.8	397.3
80°	255.2	286.3	290.7	306.3	290.7
82.5°	164.2	184.2	193.1	206.4	190.9
85°	88.8	99.9	106.5	113.2	93.2
87.5°	31.1	35.5	31.1	26.6	11.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584797

CATALOG NUMBER: 14CZSP-A-75-L840

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	19.25	20.89	19.61	21.21	21.52	19.79	21.44	20.15	21.75	22.07
	3H	21.03	22.53	21.41	22.85	23.21	21.60	23.09	21.97	23.42	23.78
	4H	21.67	23.08	22.07	23.43	23.80	22.24	23.65	22.64	24.00	24.37
	6H	22.10	23.40	22.51	23.76	24.16	22.68	23.99	23.09	24.35	24.74
	8H	22.20	23.45	22.63	23.84	24.24	22.80	24.05	23.23	24.44	24.84
	12H	22.26	23.45	22.69	23.84	24.26	22.86	24.06	23.29	24.44	24.87
4H	2H	19.97	21.38	20.37	21.73	22.10	20.40	21.80	20.80	22.15	22.53
	3H	21.98	23.16	22.39	23.56	23.96	22.43	23.61	22.84	24.01	24.41
	4H	22.75	23.81	23.18	24.23	24.66	23.21	24.28	23.64	24.69	25.13
	6H	23.29	24.22	23.74	24.66	25.12	23.78	24.71	24.23	25.15	25.61
	8H	23.44	24.31	23.90	24.75	25.22	23.95	24.82	24.41	25.26	25.73
	12H	23.52	24.31	24.00	24.78	25.25	24.04	24.82	24.52	25.30	25.77
8H	4H	23.09	23.96	23.55	24.40	24.87	23.50	24.38	23.96	24.82	25.28
	6H	23.75	24.47	24.24	24.96	25.44	24.18	24.91	24.68	25.40	25.87
	8H	23.95	24.60	24.46	25.11	25.60	24.42	25.07	24.93	25.57	26.06
	12H	24.09	24.67	24.60	25.16	25.72	24.57	25.14	25.07	25.63	26.19
12H	4H	23.13	23.91	23.61	24.39	24.86	23.53	24.31	24.01	24.79	25.26
	6H	23.80	24.46	24.31	24.96	25.45	24.22	24.88	24.73	25.38	25.87
	8H	24.06	24.64	24.57	25.13	25.69	24.51	25.08	25.02	25.57	26.13