

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: P1588885

Luminaire Tested: 24CZSP-A-75VHE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-776-5)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-A-75VHE-L935
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 8000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

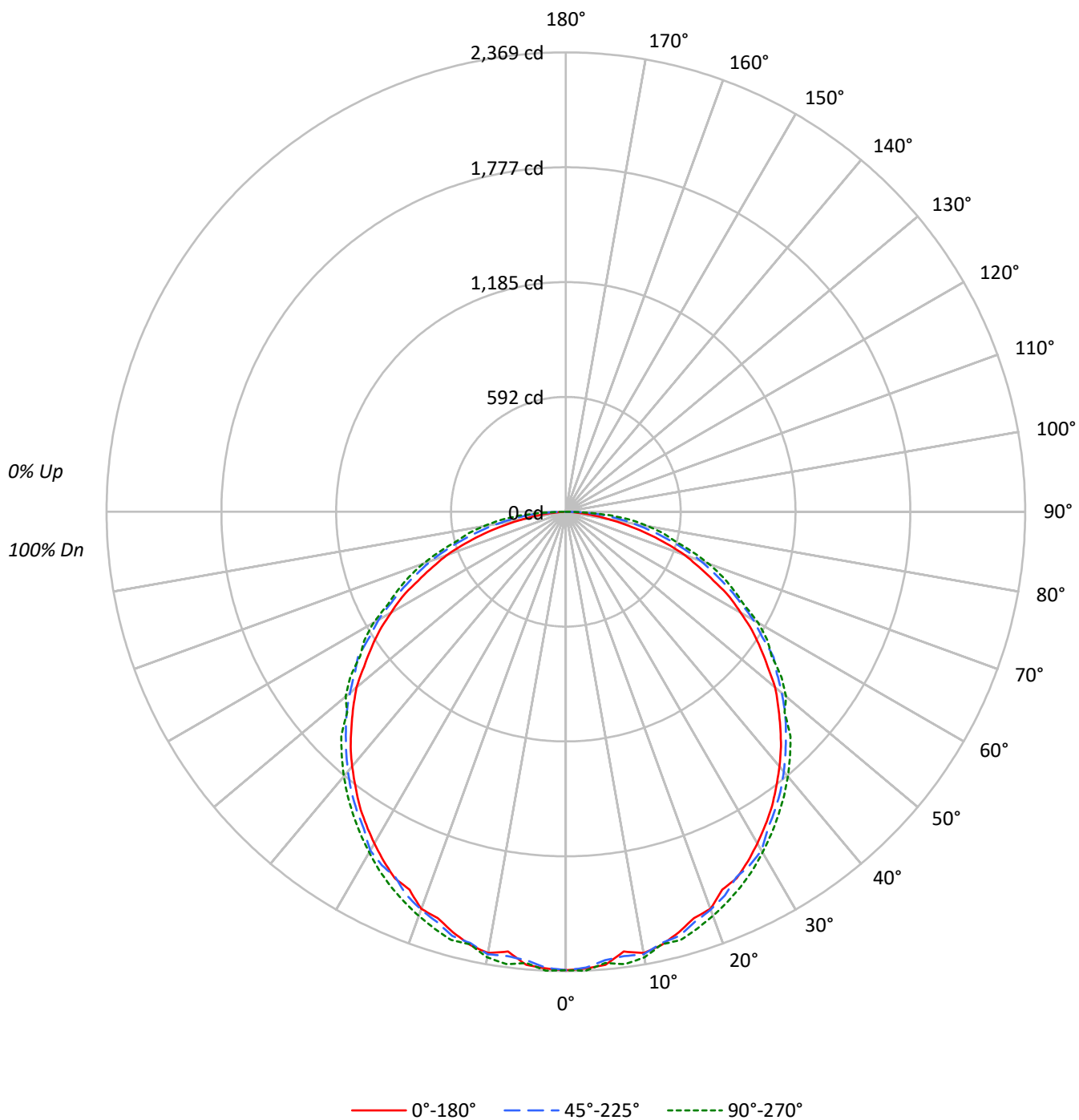
Lumens per Lamp: N/A
Luminaire Lumens: 7057.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 56.9
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: P1588885

CATALOG NUMBER: 24CZSP-A-75VHE-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1588885

CATALOG NUMBER: 24CZSP-A-75VHE-L935

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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74		81	76	72		78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52		63	56	51		61	55	51	48
5	75	62	52	46	73	60	52	45	58	51	45		56	50	44		54	49	44	42
6	69	55	46	40	67	54	46	39	53	45	39		51	44	39		49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35		46	39	34		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		42	36	31		41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28		39	32	28		38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25		36	30	25		35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3621	3621	3621
5°	3605	3568	3592
10°	3594	3603	3629
15°	3561	3590	3625
20°	3552	3559	3615
25°	3524	3514	3605
30°	3493	3568	3588
35°	3466	3515	3572
40°	3428	3496	3561
45°	3385	3477	3548
50°	3358	3463	3532
55°	3273	3494	3458
60°	3190	3419	3507
65°	3046	3345	3460
70°	2921	3317	3510
75°	2587	3217	3439
80°	2042	3144	3804
85°	1249	3360	4339

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 85°

Luminance: 4339 cd/sqm

TEST NUMBER: P1588885

CATALOG NUMBER: 24CZSP-A-75VHE-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	3.2
10°-20°	637.7	9.0
20°-30°	971.6	13.8
30°-40°	1182.7	16.8
40°-50°	1240.1	17.6
50°-60°	1148.8	16.3
60°-70°	905.9	12.8
70°-80°	560.4	7.9
80°-90°	186.6	2.6
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°	1832.6	26.0
0°-40°	3015.3	42.7
0°-60°	5404.1	76.6
0°-90°	7057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2364	2364	2364	2364	2364	
5°	2345	2344	2321	2372	2336	221
15°	2246	2257	2264	2248	2286	634
25°	2085	2097	2080	2137	2133	958
35°	1854	1871	1880	1915	1911	1158
45°	1563	1592	1605	1623	1638	1207
55°	1226	1262	1308	1320	1295	1096
65°	840	873	923	958	955	836
75°	437	472	544	585	581	461
85°	71	121	191	232	247	95
90°	0	0	0	0	0	

TEST NUMBER: P1588885

CATALOG NUMBER: 24CZSP-A-75VHE-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2364.0	2364.0	2364.0	2364.0	2364.0
2.5°	2357.3	2371.7	2353.4	2368.8	2368.8
5°	2344.8	2343.8	2320.8	2371.7	2336.1
7.5°	2287.1	2327.5	2311.1	2373.6	2352.5
10°	2311.1	2300.6	2316.9	2359.2	2333.2
12.5°	2287.1	2304.4	2278.5	2257.4	2284.3
15°	2245.8	2257.4	2264.1	2247.8	2286.2
17.5°	2196.8	2240.1	2217.0	2209.3	2253.5
20°	2179.5	2181.5	2183.4	2222.8	2218.0
22.5°	2108.5	2146.9	2142.1	2173.8	2177.6
25°	2085.4	2096.9	2079.6	2137.3	2133.4
27.5°	2032.6	2057.6	2054.7	2073.9	2084.5
30°	1974.9	1999.9	2017.2	1996.1	2028.7
32.5°	1915.4	1957.7	1938.4	1977.8	1971.1
35°	1853.9	1871.2	1879.8	1915.4	1910.6
37.5°	1782.8	1812.6	1817.4	1871.2	1848.2
40°	1714.6	1744.4	1748.3	1779.9	1780.9
42.5°	1642.6	1657.0	1677.2	1713.7	1710.8
45°	1562.9	1591.7	1605.1	1623.4	1637.8
47.5°	1486.0	1516.8	1534.0	1563.8	1530.2
50°	1409.2	1431.3	1453.4	1485.1	1482.2
52.5°	1312.1	1362.1	1372.7	1390.0	1401.5
55°	1225.7	1262.2	1308.3	1319.8	1294.9
57.5°	1138.3	1166.1	1199.8	1235.3	1232.4
60°	1041.3	1074.9	1116.2	1143.1	1145.0
62.5°	952.9	975.9	1015.3	1054.7	1034.5
65°	840.5	873.2	923.1	957.7	954.8
67.5°	740.6	776.1	827.1	872.2	874.1
70°	652.2	671.4	740.6	775.2	783.8
72.5°	543.7	577.3	638.8	677.2	681.0
75°	437.1	471.6	543.7	585.0	581.1
77.5°	328.5	378.5	448.6	497.6	513.9
80°	231.5	276.6	356.4	404.4	431.3
82.5°	146.0	193.1	270.9	330.4	346.8
85°	71.1	121.0	191.2	232.5	246.9
87.5°	18.3	50.0	88.4	108.5	117.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1588885

CATALOG NUMBER: 24CZSP-A-75VHE-L935

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	16.27	17.94	16.64	18.26	18.57	16.70	18.37	17.07	18.69	19.00
	3H	18.07	19.59	18.45	19.91	20.27	18.78	20.29	19.15	20.62	20.98
	4H	18.72	20.15	19.12	20.50	20.87	19.62	21.05	20.02	21.40	21.77
	6H	19.13	20.46	19.54	20.82	21.21	20.41	21.74	20.82	22.10	22.49
	8H	19.23	20.50	19.65	20.89	21.29	20.75	22.02	21.18	22.41	22.81
	12H	19.28	20.49	19.70	20.88	21.30	21.05	22.27	21.48	22.65	23.08
4H	2H	17.01	18.44	17.41	18.79	19.16	17.35	18.78	17.74	19.12	19.50
	3H	19.05	20.25	19.46	20.65	21.05	19.66	20.87	20.07	21.26	21.66
	4H	19.82	20.91	20.25	21.33	21.76	20.66	21.76	21.10	22.17	22.61
	6H	20.35	21.31	20.81	21.75	22.21	21.62	22.58	22.07	23.02	23.47
	8H	20.50	21.40	20.96	21.84	22.30	22.04	22.94	22.50	23.38	23.85
	12H	20.58	21.39	21.06	21.87	22.33	22.42	23.23	22.90	23.71	24.17
8H	4H	20.27	21.17	20.73	21.61	22.07	21.00	21.91	21.46	22.35	22.81
	6H	20.95	21.70	21.44	22.19	22.66	22.12	22.87	22.61	23.36	23.83
	8H	21.17	21.84	21.67	22.35	22.83	22.67	23.34	23.17	23.85	24.33
	12H	21.31	21.91	21.82	22.40	22.96	23.18	23.78	23.69	24.27	24.83
12H	4H	20.35	21.16	20.83	21.64	22.11	21.04	21.85	21.52	22.32	22.79
	6H	21.08	21.76	21.59	22.26	22.75	22.19	22.86	22.69	23.37	23.85
	8H	21.38	21.98	21.88	22.46	23.02	22.81	23.41	23.31	23.90	24.46