

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: P1588864

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-A-75-L935-S
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 7500 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

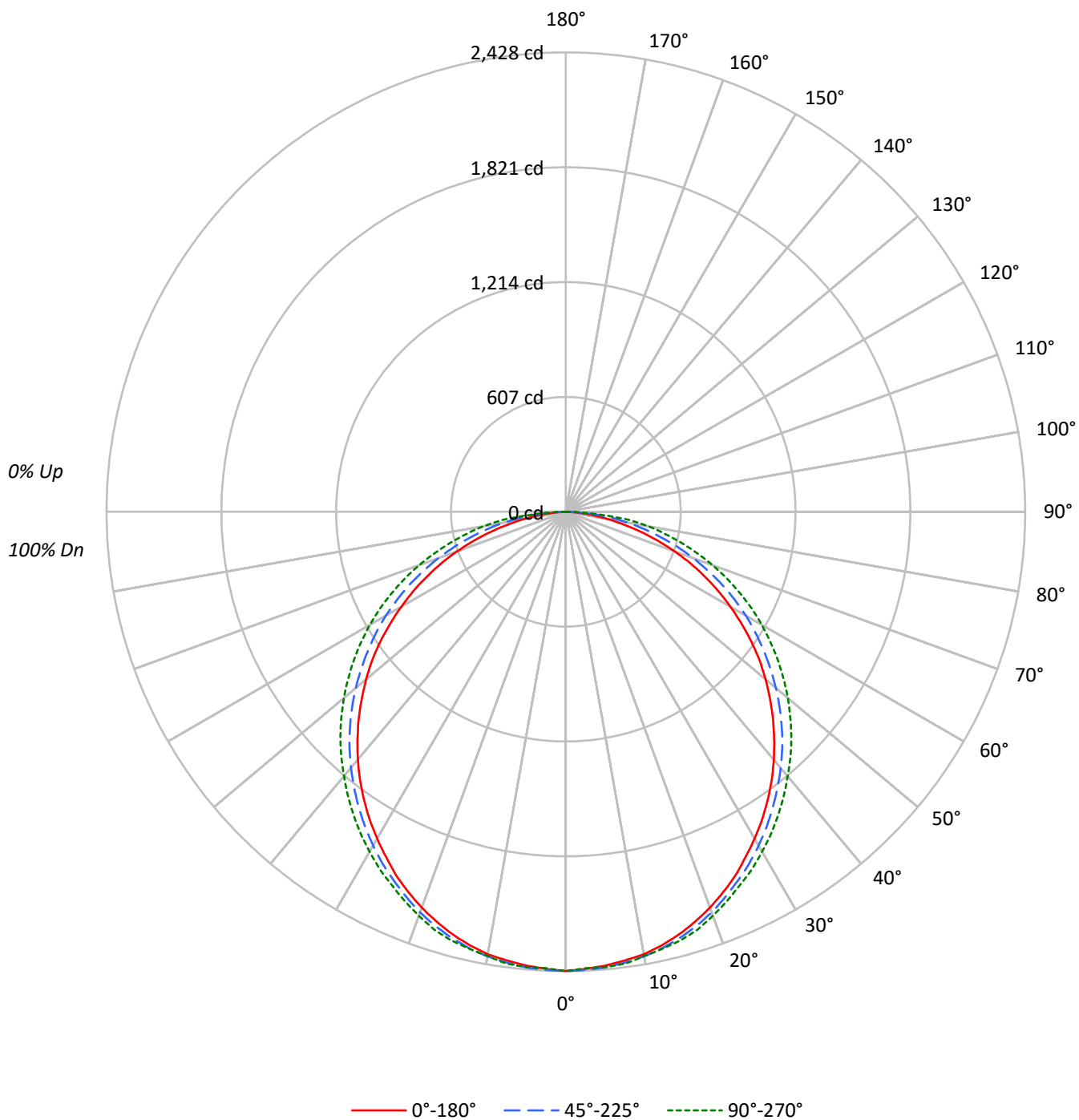
Lumens per Lamp: N/A
Luminaire Lumens: 7087.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 59.5
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: P1588864

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

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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3718	3718	3718
5°	3701	3715	3713
10°	3693	3710	3708
15°	3667	3696	3719
20°	3630	3673	3703
25°	3585	3635	3679
30°	3529	3603	3669
35°	3478	3568	3658
40°	3420	3532	3647
45°	3355	3496	3651
50°	3283	3453	3650
55°	3197	3405	3654
60°	3077	3368	3663
65°	2936	3303	3675
70°	2737	3210	3691
75°	2439	3083	3727
80°	2016	2935	3909
85°	1311	2650	3416

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4033 cd/sqm

TEST NUMBER: P1588864

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	3.2
10°-20°	657.4	9.3
20°-30°	991.4	14.0
30°-40°	1194.1	16.8
40°-50°	1247.1	17.6
50°-60°	1145.3	16.2
60°-70°	902.1	12.7
70°-80°	553.4	7.8
80°-90°	166.5	2.4
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°	1878.4	26.5
0°-40°	3072.5	43.4
0°-60°	5465.0	77.1
0°-90°	7087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7087.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2428	2428	2428	2428	2428	
5°	2407	2410	2417	2424	2415	229
15°	2312	2317	2331	2345	2345	652
25°	2121	2126	2151	2177	2177	976
35°	1860	1869	1908	1947	1956	1163
45°	1549	1566	1614	1670	1686	1194
55°	1197	1219	1275	1347	1368	1069
65°	810	838	911	988	1014	802
75°	412	445	521	603	630	437
85°	75	103	151	191	194	97
90°	0	0	0	0	0	

TEST NUMBER: P1588864

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2427.5	2427.5	2427.5	2427.5	2427.5
2.5°	2418.2	2422.8	2424.4	2425.9	2415.0
5°	2407.3	2410.4	2416.6	2424.4	2415.0
7.5°	2391.7	2394.8	2402.6	2413.5	2408.8
10°	2374.6	2376.2	2385.5	2393.3	2383.9
12.5°	2346.6	2351.3	2362.2	2368.4	2365.3
15°	2312.4	2317.1	2331.1	2345.1	2345.1
17.5°	2272.0	2278.2	2295.3	2314.0	2315.5
20°	2226.9	2231.5	2253.3	2272.0	2272.0
22.5°	2175.6	2181.8	2203.6	2223.8	2226.9
25°	2121.1	2125.8	2150.7	2177.1	2177.1
27.5°	2057.4	2066.7	2097.8	2124.2	2130.5
30°	1995.2	2002.9	2037.2	2069.8	2074.5
32.5°	1929.9	1939.2	1975.0	2010.7	2018.5
35°	1859.9	1869.2	1908.1	1947.0	1956.3
37.5°	1786.8	1797.7	1838.1	1883.2	1892.5
40°	1710.6	1723.0	1766.6	1814.8	1824.1
42.5°	1629.7	1646.8	1693.5	1743.2	1757.2
45°	1548.9	1566.0	1614.2	1670.2	1685.7
47.5°	1463.3	1483.6	1533.3	1592.4	1609.5
50°	1377.8	1398.0	1449.3	1513.1	1531.8
52.5°	1290.7	1310.9	1363.8	1430.7	1450.9
55°	1197.4	1219.2	1275.2	1346.7	1368.5
57.5°	1101.0	1129.0	1188.1	1261.2	1282.9
60°	1004.6	1032.6	1099.4	1171.0	1195.9
62.5°	909.7	936.2	1004.6	1080.8	1107.2
65°	810.2	838.2	911.3	987.5	1013.9
67.5°	712.2	740.2	813.3	892.6	920.6
70°	611.1	642.2	716.9	796.2	824.2
72.5°	510.1	542.7	618.9	699.8	726.2
75°	412.1	444.8	521.0	603.4	629.8
77.5°	315.7	351.4	426.1	510.1	534.9
80°	228.6	262.8	332.8	415.2	443.2
82.5°	146.2	175.7	245.7	323.5	343.7
85°	74.6	102.6	150.8	191.3	194.4
87.5°	23.3	32.7	49.8	74.6	76.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1588864

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

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	16.04	17.70	16.41	18.02	18.33	16.87	18.53	17.24	18.85	19.16
	3H	17.80	19.30	18.17	19.63	19.99	18.99	20.49	19.36	20.82	21.18
	4H	18.41	19.84	18.81	20.18	20.56	19.88	21.30	20.27	21.65	22.02
	6H	18.83	20.15	19.24	20.51	20.90	20.66	21.98	21.07	22.34	22.73
	8H	18.93	20.20	19.36	20.58	20.98	20.98	22.24	21.40	22.63	23.03
	12H	18.98	20.20	19.41	20.58	21.01	21.19	22.40	21.62	22.78	23.21
4H	2H	16.81	18.23	17.21	18.58	18.96	17.46	18.88	17.86	19.23	19.60
	3H	18.79	19.99	19.20	20.38	20.78	19.81	21.01	20.22	21.41	21.81
	4H	19.53	20.61	19.96	21.03	21.46	20.87	21.95	21.30	22.36	22.80
	6H	20.06	21.01	20.51	21.45	21.90	21.82	22.77	22.27	23.21	23.66
	8H	20.20	21.09	20.66	21.53	22.00	22.22	23.11	22.67	23.55	24.01
	12H	20.29	21.09	20.76	21.56	22.03	22.49	23.30	22.97	23.77	24.24
8H	4H	19.99	20.88	20.44	21.32	21.78	21.16	22.05	21.61	22.49	22.95
	6H	20.65	21.39	21.14	21.88	22.35	22.27	23.01	22.76	23.50	23.97
	8H	20.86	21.53	21.36	22.03	22.52	22.78	23.45	23.29	23.95	24.44
	12H	21.00	21.59	21.50	22.08	22.64	23.16	23.76	23.67	24.25	24.80
12H	4H	20.07	20.88	20.55	21.35	21.82	21.18	21.98	21.66	22.46	22.93
	6H	20.78	21.45	21.29	21.95	22.44	22.31	22.98	22.82	23.49	23.97
	8H	21.06	21.65	21.56	22.14	22.70	22.89	23.48	23.40	23.97	24.53