

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: P1588523

Luminaire Tested: 24CZSP-75-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2604-747-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-75-L930
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 7500 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

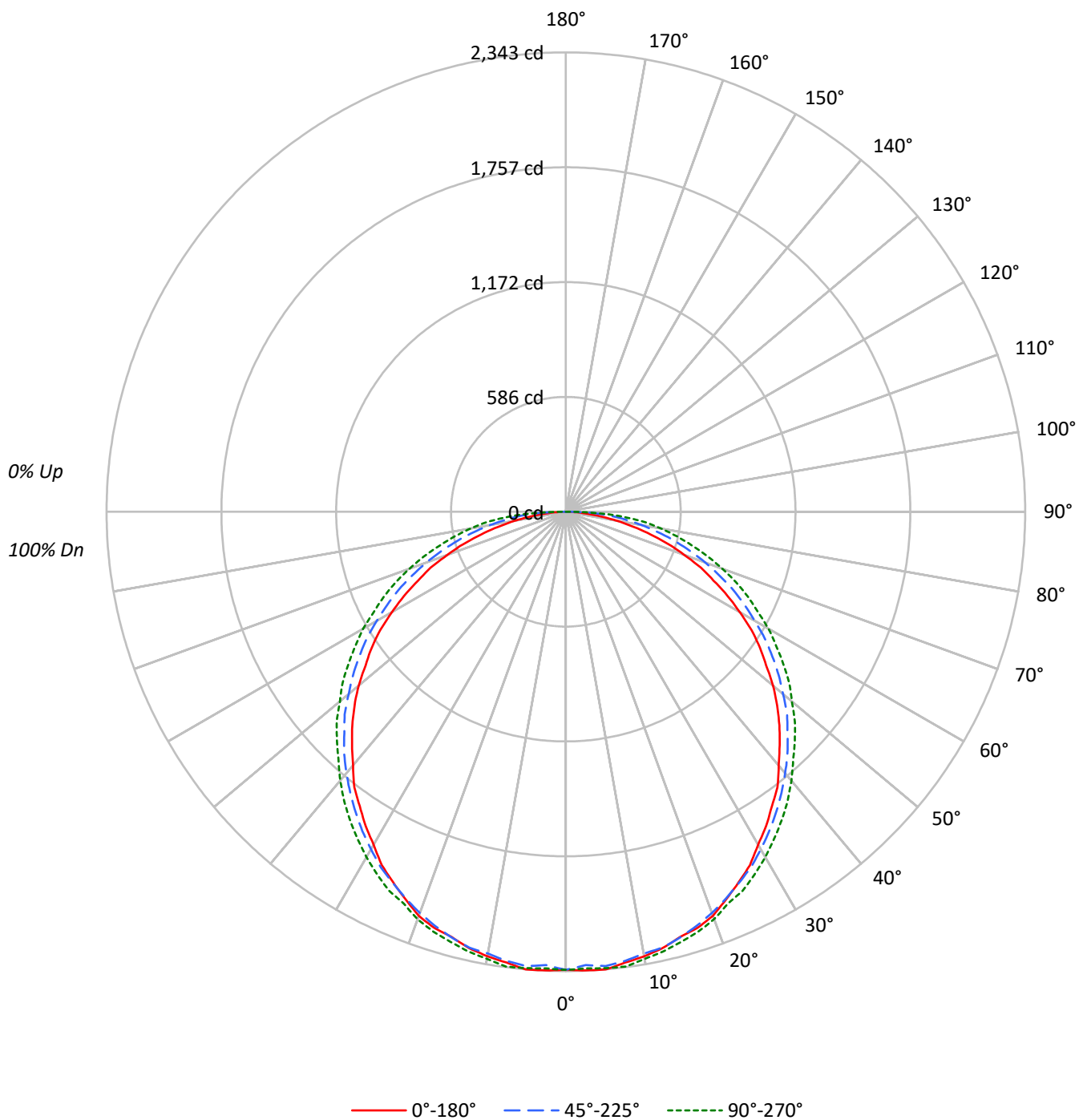
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7131.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
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

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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	108	103	98	94	105	100	96	92	96	93	89		92	89	87		89	86	84	82
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	70	67
3	89	78	69	62	86	76	68	62	73	66	61		70	64	60		68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	51		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39		50	44	38		49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34		46	39	34		45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30		42	35	30		41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27		39	32	27		38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25		36	29	25		35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3578	3578	3578
5°	3602	3576	3592
10°	3580	3559	3602
15°	3561	3566	3602
20°	3574	3549	3605
25°	3524	3530	3605
30°	3467	3516	3597
35°	3426	3496	3589
40°	3377	3480	3579
45°	3337	3462	3577
50°	3288	3447	3585
55°	3229	3434	3616
60°	3139	3411	3657
65°	3014	3410	3714
70°	2875	3388	3801
75°	2648	3396	3941
80°	2320	3465	4338
85°	1771	3991	5193

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 5755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	3.1
10°-20°	637.6	8.9
20°-30°	968.6	13.6
30°-40°	1173.3	16.5
40°-50°	1234.4	17.3
50°-60°	1147.8	16.1
60°-70°	924.2	13.0
70°-80°	598.6	8.4
80°-90°	224.5	3.1
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°	1828.1	25.6
0°-40°	3001.4	42.1
0°-60°	5383.7	75.5
0°-90°	7131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2336	2336	2336	2336	2336	
5°	2343	2340	2326	2340	2336	222
15°	2246	2254	2249	2276	2271	636
25°	2085	2084	2089	2124	2133	961
35°	1832	1846	1870	1902	1920	1148
45°	1540	1561	1598	1633	1651	1188
55°	1209	1240	1286	1337	1354	1078
65°	832	869	941	997	1025	827
75°	447	492	574	640	666	475
85°	101	149	227	284	296	124
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2336.3	2336.3	2336.3	2336.3	2336.3
2.5°	2341.4	2341.4	2314.1	2343.1	2331.2
5°	2343.1	2339.7	2326.0	2339.7	2336.3
7.5°	2319.2	2322.6	2310.7	2327.7	2339.7
10°	2302.1	2305.5	2288.5	2315.8	2315.8
12.5°	2279.9	2283.3	2276.5	2302.1	2297.0
15°	2245.8	2254.3	2249.2	2276.5	2271.4
17.5°	2227.0	2220.1	2215.0	2235.5	2245.8
20°	2192.8	2177.5	2177.5	2204.8	2211.6
22.5°	2138.2	2133.0	2134.8	2168.9	2162.1
25°	2085.2	2083.5	2088.6	2124.5	2133.0
27.5°	2032.3	2028.9	2044.2	2078.4	2085.2
30°	1960.6	1967.4	1987.9	2025.5	2034.0
32.5°	1900.8	1912.7	1931.5	1967.4	1977.6
35°	1832.5	1846.1	1870.0	1902.5	1919.6
37.5°	1772.7	1781.2	1806.9	1837.6	1858.1
40°	1689.0	1711.2	1740.3	1784.7	1789.8
42.5°	1613.9	1636.1	1673.6	1721.5	1716.3
45°	1540.4	1560.9	1598.5	1632.7	1651.4
47.5°	1461.9	1480.7	1530.2	1571.2	1584.8
50°	1379.9	1403.8	1446.5	1489.2	1504.6
52.5°	1287.7	1313.3	1368.0	1414.1	1436.3
55°	1209.1	1239.9	1286.0	1337.2	1354.3
57.5°	1122.0	1147.6	1204.0	1255.2	1272.3
60°	1024.7	1055.4	1113.5	1168.1	1193.8
62.5°	930.8	964.9	1026.4	1082.7	1103.2
65°	831.7	869.3	941.0	997.4	1024.7
67.5°	746.3	777.1	847.1	910.3	939.3
70°	642.1	683.1	756.6	826.6	848.8
72.5°	549.9	585.8	662.6	732.6	760.0
75°	447.4	491.8	573.8	640.4	666.0
77.5°	353.5	399.6	481.6	551.6	580.7
80°	263.0	307.4	392.8	464.5	491.8
82.5°	177.6	222.0	307.4	377.4	408.2
85°	100.8	148.6	227.1	283.5	295.5
87.5°	44.4	85.4	128.1	153.7	163.9
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	16.11	17.79	16.48	18.11	18.42	16.79	18.47	17.15	18.78	19.10
	3H	17.97	19.50	18.34	19.82	20.18	19.01	20.53	19.38	20.86	21.22
	4H	18.65	20.10	19.05	20.45	20.82	19.97	21.41	20.37	21.76	22.13
	6H	19.15	20.49	19.56	20.85	21.24	20.86	22.20	21.27	22.57	22.96
	8H	19.29	20.58	19.72	20.97	21.36	21.26	22.55	21.69	22.94	23.34
	12H	19.38	20.62	19.81	21.00	21.42	21.62	22.86	22.05	23.24	23.67
4H	2H	16.91	18.35	17.30	18.70	19.07	17.43	18.87	17.82	19.22	19.59
	3H	18.99	20.22	19.40	20.61	21.01	19.89	21.11	20.30	21.50	21.90
	4H	19.81	20.92	20.24	21.34	21.77	21.02	22.13	21.45	22.54	22.97
	6H	20.44	21.42	20.89	21.85	22.31	22.09	23.06	22.54	23.50	23.95
	8H	20.64	21.55	21.09	21.99	22.46	22.58	23.49	23.03	23.93	24.40
	12H	20.77	21.60	21.25	22.07	22.54	23.03	23.85	23.51	24.33	24.80
8H	4H	20.32	21.24	20.78	21.68	22.14	21.36	22.27	21.82	22.71	23.18
	6H	21.11	21.88	21.60	22.36	22.83	22.61	23.38	23.10	23.86	24.33
	8H	21.39	22.08	21.90	22.59	23.07	23.23	23.92	23.74	24.42	24.91
	12H	21.61	22.22	22.11	22.71	23.27	23.84	24.45	24.35	24.94	25.50
12H	4H	20.43	21.26	20.91	21.73	22.20	21.40	22.22	21.87	22.70	23.16
	6H	21.27	21.97	21.78	22.47	22.95	22.68	23.37	23.19	23.88	24.36
	8H	21.64	22.26	22.15	22.75	23.30	23.39	24.00	23.89	24.49	25.05