

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: P1588513

Luminaire Tested: 24CZSP-75-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588513
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-L830
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 7500 lumens, 80CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

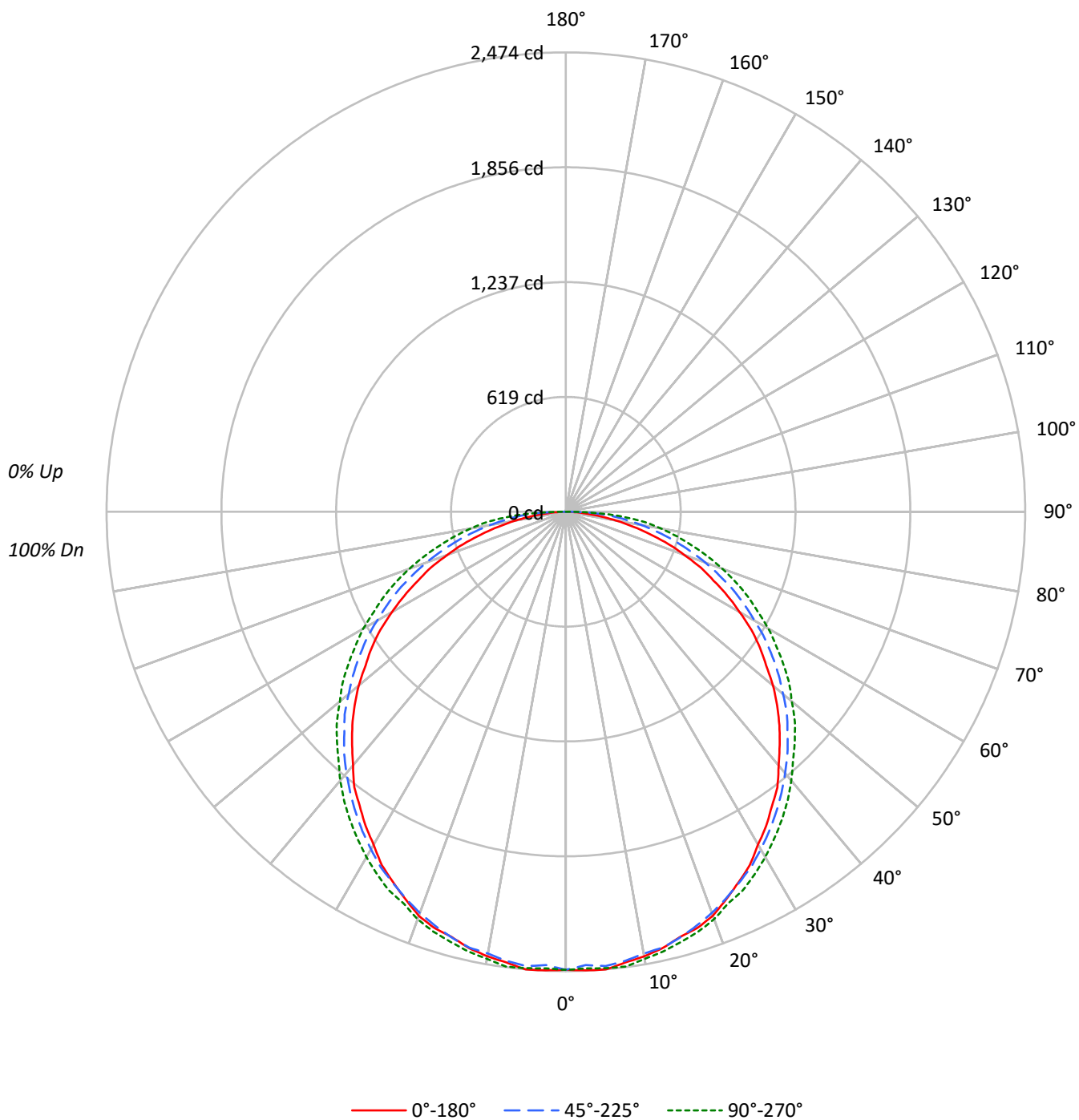
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7529.0 lumens
Efficiency: N/A
Efficacy: 126.5 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	50	30	10
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°	3778	3778	3778
5°	3804	3776	3792
10°	3780	3758	3803
15°	3760	3765	3803
20°	3774	3747	3806
25°	3721	3727	3806
30°	3661	3712	3798
35°	3617	3692	3789
40°	3566	3674	3778
45°	3523	3656	3777
50°	3471	3639	3785
55°	3409	3626	3818
60°	3314	3601	3861
65°	3182	3601	3921
70°	3036	3577	4013
75°	2796	3585	4161
80°	2449	3658	4580
85°	1870	4214	5481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 6078 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	3.1
10°-20°	673.2	8.9
20°-30°	1022.7	13.6
30°-40°	1238.8	16.5
40°-50°	1303.3	17.3
50°-60°	1211.8	16.1
60°-70°	975.7	13.0
70°-80°	632.1	8.4
80°-90°	237.0	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°	1930.1	25.6
0°-40°	3169.0	42.1
0°-60°	5684.2	75.5
0°-90°	7529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2467	2467	2467	2467	2467	
5°	2474	2470	2456	2470	2467	234
15°	2371	2380	2375	2404	2398	672
25°	2202	2200	2205	2243	2252	1015
35°	1935	1949	1974	2009	2027	1212
45°	1626	1648	1688	1724	1744	1254
55°	1277	1309	1358	1412	1430	1139
65°	878	918	994	1053	1082	873
75°	472	519	606	676	703	502
85°	106	157	240	299	312	130
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2466.7	2466.7	2466.7	2466.7	2466.7
2.5°	2472.1	2472.1	2443.2	2473.9	2461.3
5°	2473.9	2470.3	2455.9	2470.3	2466.7
7.5°	2448.6	2452.2	2439.6	2457.7	2470.3
10°	2430.6	2434.2	2416.2	2445.0	2445.0
12.5°	2407.2	2410.8	2403.6	2430.6	2425.2
15°	2371.1	2380.1	2374.7	2403.6	2398.2
17.5°	2351.3	2344.1	2338.6	2360.3	2371.1
20°	2315.2	2299.0	2299.0	2327.8	2335.0
22.5°	2257.5	2252.1	2253.9	2290.0	2282.8
25°	2201.6	2199.8	2205.2	2243.1	2252.1
27.5°	2145.7	2142.1	2158.3	2194.4	2201.6
30°	2070.0	2077.2	2098.8	2138.5	2147.5
32.5°	2006.9	2019.5	2039.3	2077.2	2088.0
35°	1934.7	1949.2	1974.4	2008.7	2026.7
37.5°	1871.6	1880.7	1907.7	1940.2	1961.8
40°	1783.3	1806.7	1837.4	1884.3	1889.7
42.5°	1704.0	1727.4	1767.1	1817.5	1812.1
45°	1626.4	1648.1	1687.7	1723.8	1743.6
47.5°	1543.5	1563.3	1615.6	1658.9	1673.3
50°	1456.9	1482.2	1527.2	1572.3	1588.6
52.5°	1359.6	1386.6	1444.3	1493.0	1516.4
55°	1276.6	1309.1	1357.8	1411.8	1429.9
57.5°	1184.7	1211.7	1271.2	1325.3	1343.3
60°	1081.9	1114.3	1175.6	1233.3	1260.4
62.5°	982.7	1018.8	1083.7	1143.2	1164.8
65°	878.1	917.8	993.5	1053.0	1081.9
67.5°	788.0	820.4	894.3	961.1	991.7
70°	678.0	721.2	798.8	872.7	896.2
72.5°	580.6	618.5	699.6	773.5	802.4
75°	472.4	519.3	605.8	676.2	703.2
77.5°	373.2	421.9	508.5	582.4	613.1
80°	277.7	324.6	414.7	490.4	519.3
82.5°	187.5	234.4	324.6	398.5	430.9
85°	106.4	156.9	239.8	299.3	311.9
87.5°	46.9	90.2	135.2	162.3	173.1
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	16.30	17.98	16.67	18.30	18.61	16.98	18.66	17.34	18.97	19.29
	3H	18.16	19.68	18.53	20.01	20.37	19.19	20.72	19.57	21.05	21.41
	4H	18.84	20.29	19.24	20.63	21.01	20.16	21.60	20.56	21.95	22.32
	6H	19.33	20.68	19.74	21.04	21.43	21.05	22.39	21.46	22.76	23.15
	8H	19.48	20.77	19.91	21.16	21.55	21.45	22.74	21.88	23.13	23.52
	12H	19.57	20.80	20.00	21.19	21.61	21.81	23.05	22.24	23.43	23.86
4H	2H	17.10	18.54	17.49	18.89	19.26	17.62	19.06	18.01	19.41	19.78
	3H	19.18	20.40	19.59	20.80	21.20	20.08	21.30	20.48	21.69	22.09
	4H	20.00	21.11	20.43	21.53	21.96	21.20	22.31	21.63	22.73	23.16
	6H	20.63	21.60	21.08	22.04	22.50	22.27	23.25	22.73	23.69	24.14
	8H	20.83	21.74	21.28	22.18	22.65	22.76	23.68	23.22	24.12	24.58
	12H	20.96	21.79	21.44	22.26	22.73	23.22	24.04	23.70	24.52	24.98
8H	4H	20.51	21.43	20.97	21.87	22.33	21.55	22.46	22.00	22.90	23.37
	6H	21.30	22.06	21.79	22.55	23.02	22.80	23.56	23.29	24.05	24.52
	8H	21.58	22.27	22.09	22.77	23.26	23.42	24.11	23.93	24.61	25.10
	12H	21.80	22.41	22.30	22.90	23.46	24.03	24.64	24.53	25.13	25.69
12H	4H	20.62	21.45	21.10	21.92	22.39	21.59	22.41	22.06	22.88	23.35
	6H	21.46	22.16	21.97	22.66	23.14	22.87	23.56	23.38	24.07	24.55
	8H	21.83	22.45	22.34	22.94	23.49	23.58	24.19	24.08	24.68	25.23