

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: P1588871

Luminaire Tested: 24CZSP-A-75-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588871
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-A-75-L950
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 7500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

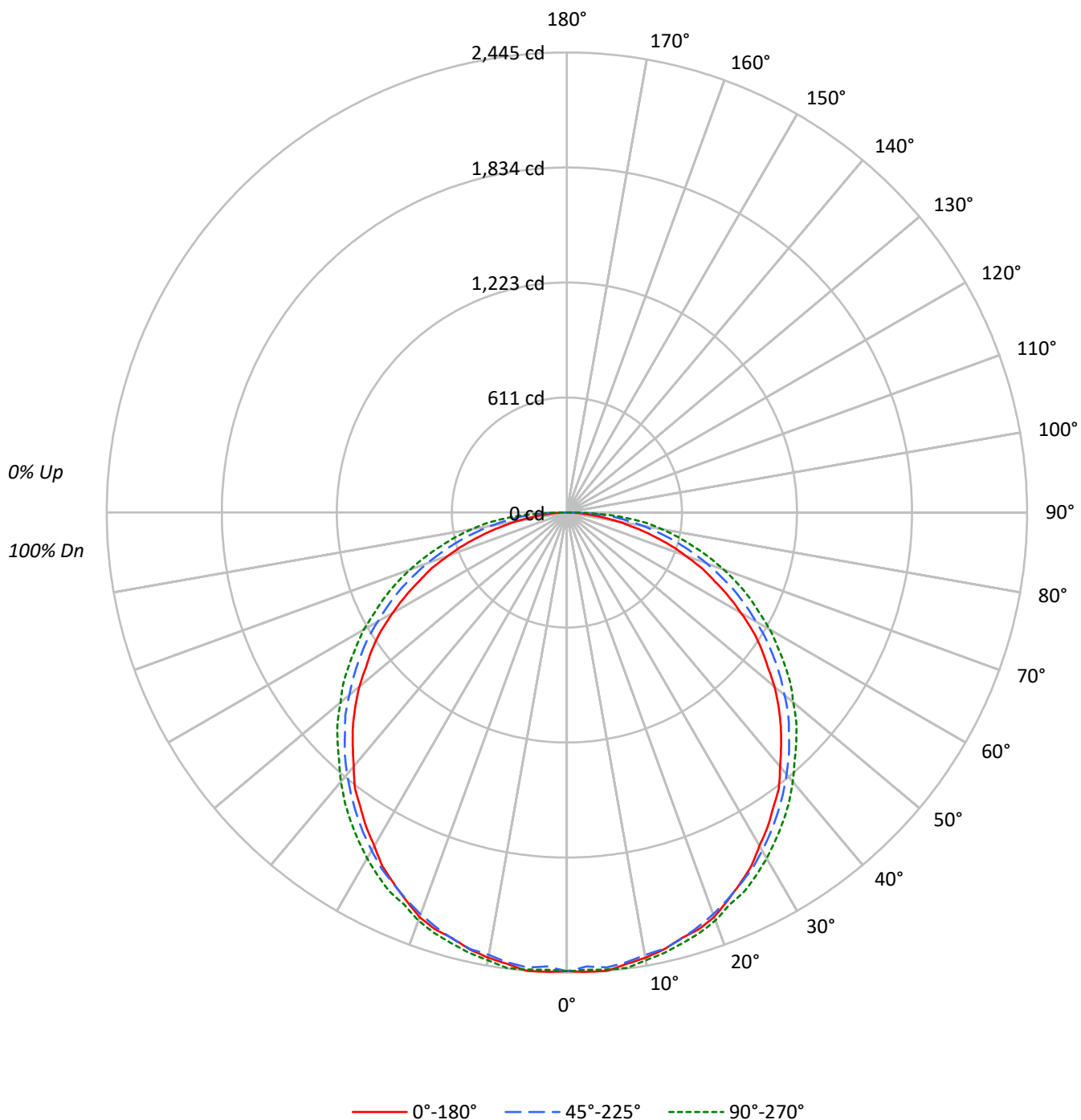
Lumens per Lamp: N/A
Luminaire Lumens: 7441.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3734	3734	3734
5°	3759	3732	3748
10°	3736	3714	3758
15°	3716	3722	3758
20°	3729	3703	3762
25°	3677	3683	3762
30°	3618	3669	3754
35°	3575	3648	3745
40°	3524	3631	3734
45°	3482	3613	3733
50°	3431	3597	3741
55°	3369	3583	3774
60°	3275	3559	3816
65°	3145	3559	3875
70°	3000	3535	3966
75°	2763	3544	4113
80°	2420	3615	4527
85°	1847	4165	5418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 6008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	3.1
10°-20°	665.4	8.9
20°-30°	1010.7	13.6
30°-40°	1224.4	16.5
40°-50°	1288.1	17.3
50°-60°	1197.7	16.1
60°-70°	964.3	13.0
70°-80°	624.7	8.4
80°-90°	234.3	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°	1907.6	25.6
0°-40°	3131.9	42.1
0°-60°	5617.7	75.5
0°-90°	7441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2438	2438	2438	2438	2438	
5°	2445	2441	2427	2441	2438	232
15°	2343	2352	2347	2376	2370	664
25°	2176	2174	2179	2217	2226	1003
35°	1912	1926	1951	1985	2003	1198
45°	1607	1629	1668	1704	1723	1239
55°	1262	1294	1342	1395	1413	1125
65°	868	907	982	1041	1069	863
75°	467	513	599	668	695	496
85°	105	155	237	296	308	129
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2437.8	2437.8	2437.8	2437.8	2437.8
2.5°	2443.2	2443.2	2414.7	2445.0	2432.5
5°	2445.0	2441.4	2427.1	2441.4	2437.8
7.5°	2420.0	2423.6	2411.1	2428.9	2441.4
10°	2402.2	2405.8	2387.9	2416.5	2416.5
12.5°	2379.0	2382.6	2375.5	2402.2	2396.9
15°	2343.4	2352.3	2347.0	2375.5	2370.1
17.5°	2323.8	2316.7	2311.3	2332.7	2343.4
20°	2288.1	2272.1	2272.1	2300.6	2307.8
22.5°	2231.1	2225.8	2227.6	2263.2	2256.1
25°	2175.9	2174.1	2179.4	2216.9	2225.8
27.5°	2120.6	2117.1	2133.1	2168.8	2175.9
30°	2045.8	2052.9	2074.3	2113.5	2122.4
32.5°	1983.4	1995.9	2015.5	2052.9	2063.6
35°	1912.1	1926.4	1951.3	1985.2	2003.0
37.5°	1849.8	1858.7	1885.4	1917.5	1938.9
40°	1762.4	1785.6	1815.9	1862.2	1867.6
42.5°	1684.0	1707.2	1746.4	1796.3	1791.0
45°	1607.4	1628.8	1668.0	1703.6	1723.2
47.5°	1525.4	1545.0	1596.7	1639.5	1653.7
50°	1439.9	1464.8	1509.4	1553.9	1570.0
52.5°	1343.7	1370.4	1427.4	1475.5	1498.7
55°	1261.7	1293.8	1341.9	1395.3	1413.2
57.5°	1170.8	1197.5	1256.3	1309.8	1327.6
60°	1069.2	1101.3	1161.9	1218.9	1245.7
62.5°	971.2	1006.9	1071.0	1129.8	1151.2
65°	867.9	907.1	981.9	1040.7	1069.2
67.5°	778.8	810.8	883.9	949.8	980.1
70°	670.0	712.8	789.4	862.5	885.7
72.5°	573.8	611.2	691.4	764.5	793.0
75°	466.9	513.2	598.8	668.3	695.0
77.5°	368.9	417.0	502.5	575.6	605.9
80°	274.4	320.8	409.9	484.7	513.2
82.5°	185.3	231.7	320.8	393.8	425.9
85°	105.1	155.0	237.0	295.8	308.3
87.5°	46.3	89.1	133.7	160.4	171.1
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	16.26	17.94	16.63	18.26	18.57	16.94	18.62	17.30	18.93	19.25
	3H	18.12	19.64	18.49	19.97	20.33	19.15	20.68	19.53	21.01	21.37
	4H	18.80	20.25	19.20	20.59	20.97	20.12	21.56	20.51	21.91	22.28
	6H	19.29	20.64	19.70	21.00	21.39	21.01	22.35	21.42	22.72	23.11
	8H	19.44	20.73	19.86	21.11	21.51	21.41	22.70	21.84	23.09	23.48
	12H	19.53	20.76	19.96	21.14	21.57	21.77	23.00	22.20	23.39	23.81
4H	2H	17.05	18.50	17.45	18.85	19.22	17.57	19.02	17.97	19.37	19.74
	3H	19.14	20.36	19.55	20.76	21.16	20.03	21.26	20.44	21.65	22.05
	4H	19.96	21.07	20.39	21.48	21.92	21.16	22.27	21.59	22.69	23.12
	6H	20.59	21.56	21.04	22.00	22.45	22.23	23.21	22.69	23.65	24.10
	8H	20.78	21.70	21.24	22.14	22.60	22.72	23.64	23.18	24.08	24.54
	12H	20.92	21.75	21.40	22.22	22.69	23.18	24.00	23.65	24.48	24.94
8H	4H	20.47	21.39	20.93	21.83	22.29	21.51	22.42	21.96	22.86	23.33
	6H	21.26	22.02	21.75	22.51	22.98	22.76	23.52	23.25	24.01	24.48
	8H	21.54	22.23	22.05	22.73	23.22	23.38	24.07	23.88	24.57	25.06
	12H	21.76	22.37	22.26	22.86	23.42	23.99	24.60	24.49	25.09	25.65
12H	4H	20.58	21.40	21.06	21.88	22.35	21.54	22.37	22.02	22.84	23.31
	6H	21.42	22.11	21.93	22.62	23.10	22.83	23.52	23.34	24.02	24.51
	8H	21.79	22.41	22.30	22.89	23.45	23.54	24.15	24.04	24.64	25.19