

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: P1588527

Luminaire Tested: 24CZSP-75-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588527
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-L940
Description: 2x4 CZSP LED Luminaire, 4000K CCT and 7500 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

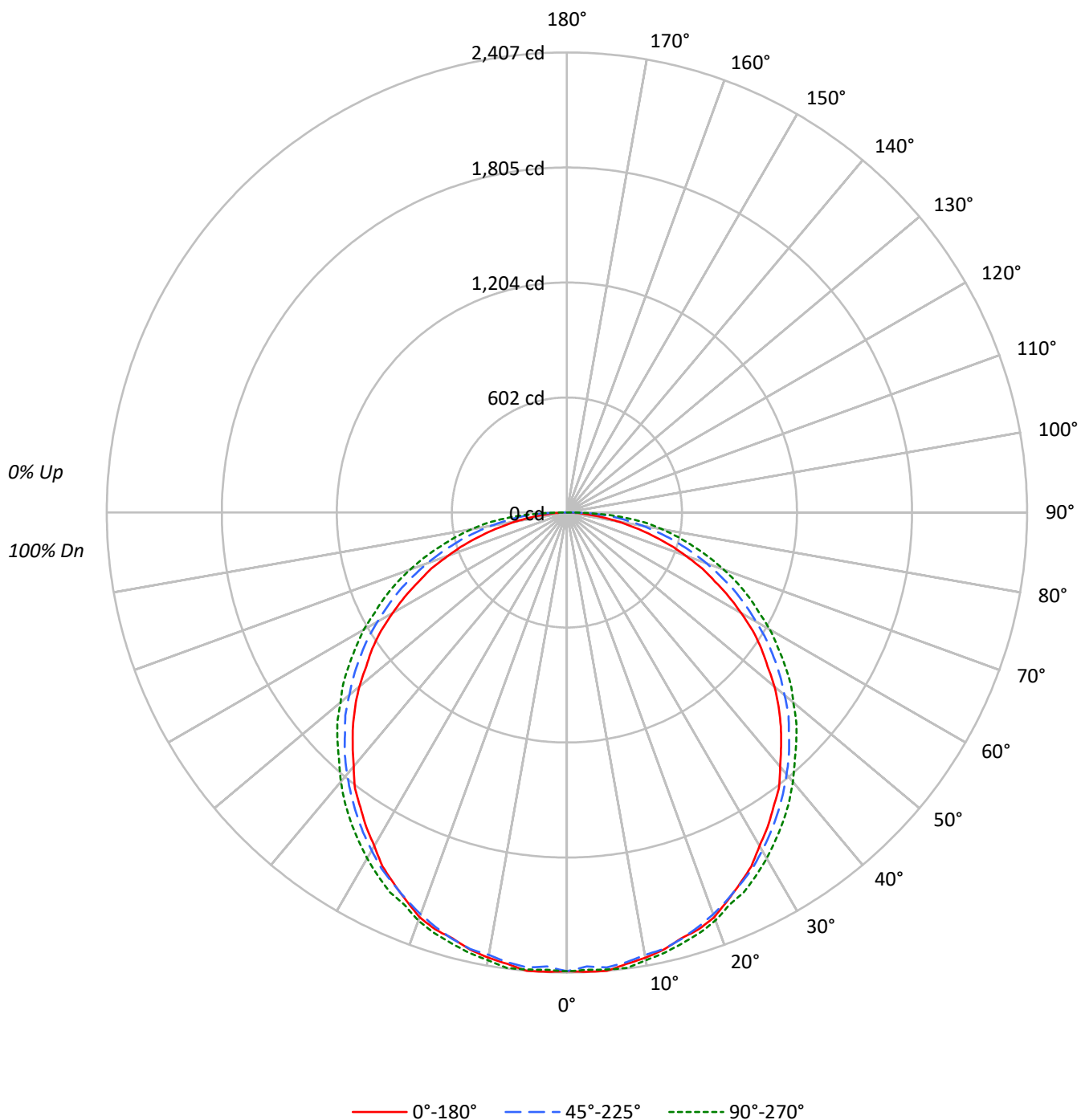
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7326.0 lumens
Efficiency: N/A
Efficacy: 123.1 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	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°	3676	3676	3676
5°	3701	3674	3690
10°	3678	3656	3700
15°	3658	3664	3700
20°	3672	3646	3703
25°	3620	3626	3703
30°	3562	3612	3696
35°	3520	3592	3687
40°	3469	3575	3676
45°	3428	3557	3675
50°	3378	3541	3683
55°	3317	3528	3715
60°	3225	3504	3757
65°	3096	3503	3815
70°	2954	3480	3905
75°	2720	3489	4050
80°	2383	3559	4457
85°	1819	4100	5334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 5913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	3.1
10°-20°	655.1	8.9
20°-30°	995.1	13.6
30°-40°	1205.4	16.5
40°-50°	1268.2	17.3
50°-60°	1179.2	16.1
60°-70°	949.4	13.0
70°-80°	615.0	8.4
80°-90°	230.6	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°	1878.1	25.6
0°-40°	3083.5	42.1
0°-60°	5530.9	75.5
0°-90°	7326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7326.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2400	2400	2400	2400	2400	
5°	2407	2404	2390	2404	2400	228
15°	2307	2316	2311	2339	2334	654
25°	2142	2140	2146	2183	2191	987
35°	1883	1897	1921	1954	1972	1179
45°	1583	1604	1642	1677	1697	1220
55°	1242	1274	1321	1374	1391	1108
65°	854	893	967	1025	1053	850
75°	460	505	590	658	684	489
85°	104	153	233	291	304	127
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2400.2	2400.2	2400.2	2400.2	2400.2
2.5°	2405.4	2405.4	2377.4	2407.2	2394.9
5°	2407.2	2403.7	2389.6	2403.7	2400.2
7.5°	2382.6	2386.1	2373.8	2391.4	2403.7
10°	2365.1	2368.6	2351.0	2379.1	2379.1
12.5°	2342.3	2345.8	2338.8	2365.1	2359.8
15°	2307.2	2315.9	2310.7	2338.8	2333.5
17.5°	2287.9	2280.9	2275.6	2296.6	2307.2
20°	2252.8	2237.0	2237.0	2265.1	2272.1
22.5°	2196.6	2191.4	2193.1	2228.2	2221.2
25°	2142.3	2140.5	2145.8	2182.6	2191.4
27.5°	2087.9	2084.4	2100.1	2135.2	2142.3
30°	2014.2	2021.2	2042.2	2080.8	2089.6
32.5°	1952.8	1965.0	1984.3	2021.2	2031.7
35°	1882.6	1896.6	1921.2	1954.5	1972.1
37.5°	1821.2	1829.9	1856.3	1887.8	1908.9
40°	1735.2	1758.0	1787.8	1833.5	1838.7
42.5°	1658.0	1680.8	1719.4	1768.5	1763.3
45°	1582.6	1603.6	1642.2	1677.3	1696.6
47.5°	1501.9	1521.2	1572.0	1614.1	1628.2
50°	1417.6	1442.2	1486.1	1529.9	1545.7
52.5°	1322.9	1349.2	1405.4	1452.7	1475.5
55°	1242.2	1273.8	1321.1	1373.8	1391.3
57.5°	1152.7	1179.0	1236.9	1289.6	1307.1
60°	1052.7	1084.3	1143.9	1200.1	1226.4
62.5°	956.2	991.3	1054.5	1112.4	1133.4
65°	854.4	893.0	966.7	1024.6	1052.7
67.5°	766.7	798.3	870.2	935.2	965.0
70°	659.7	701.8	777.2	849.2	872.0
72.5°	565.0	601.8	680.7	752.7	780.8
75°	459.7	505.3	589.5	657.9	684.3
77.5°	363.2	410.6	494.8	566.7	596.5
80°	270.2	315.8	403.5	477.2	505.3
82.5°	182.5	228.1	315.8	387.7	419.3
85°	103.5	152.6	233.3	291.2	303.5
87.5°	45.6	87.7	131.6	157.9	168.4
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	16.21	17.89	16.57	18.20	18.52	16.88	18.56	17.25	18.88	19.19
	3H	18.06	19.59	18.44	19.92	20.27	19.10	20.63	19.48	20.95	21.31
	4H	18.75	20.19	19.15	20.54	20.91	20.06	21.51	20.46	21.85	22.23
	6H	19.24	20.58	19.65	20.95	21.34	20.96	22.30	21.37	22.66	23.05
	8H	19.39	20.67	19.81	21.06	21.46	21.36	22.64	21.78	23.03	23.43
	12H	19.48	20.71	19.91	21.09	21.52	21.72	22.95	22.15	23.33	23.76
4H	2H	17.00	18.44	17.40	18.79	19.17	17.52	18.96	17.92	19.31	19.69
	3H	19.09	20.31	19.50	20.71	21.10	19.98	21.20	20.39	21.60	22.00
	4H	19.91	21.02	20.34	21.43	21.86	21.11	22.22	21.54	22.63	23.07
	6H	20.53	21.51	20.98	21.95	22.40	22.18	23.16	22.63	23.59	24.05
	8H	20.73	21.65	21.19	22.09	22.55	22.67	23.58	23.13	24.03	24.49
	12H	20.87	21.69	21.34	22.17	22.63	23.12	23.95	23.60	24.42	24.89
8H	4H	20.42	21.33	20.87	21.77	22.24	21.45	22.37	21.91	22.81	23.27
	6H	21.20	21.97	21.69	22.45	22.93	22.70	23.47	23.19	23.95	24.43
	8H	21.49	22.18	21.99	22.68	23.16	23.32	24.02	23.83	24.52	25.00
	12H	21.70	22.32	22.21	22.80	23.36	23.94	24.55	24.44	25.04	25.59
12H	4H	20.52	21.35	21.00	21.82	22.29	21.49	22.32	21.97	22.79	23.26
	6H	21.37	22.06	21.87	22.56	23.05	22.78	23.47	23.28	23.97	24.45
	8H	21.74	22.35	22.24	22.84	23.40	23.48	24.09	23.98	24.58	25.14