

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: P1584807

Luminaire Tested: 14CZSP-A-75-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-75-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

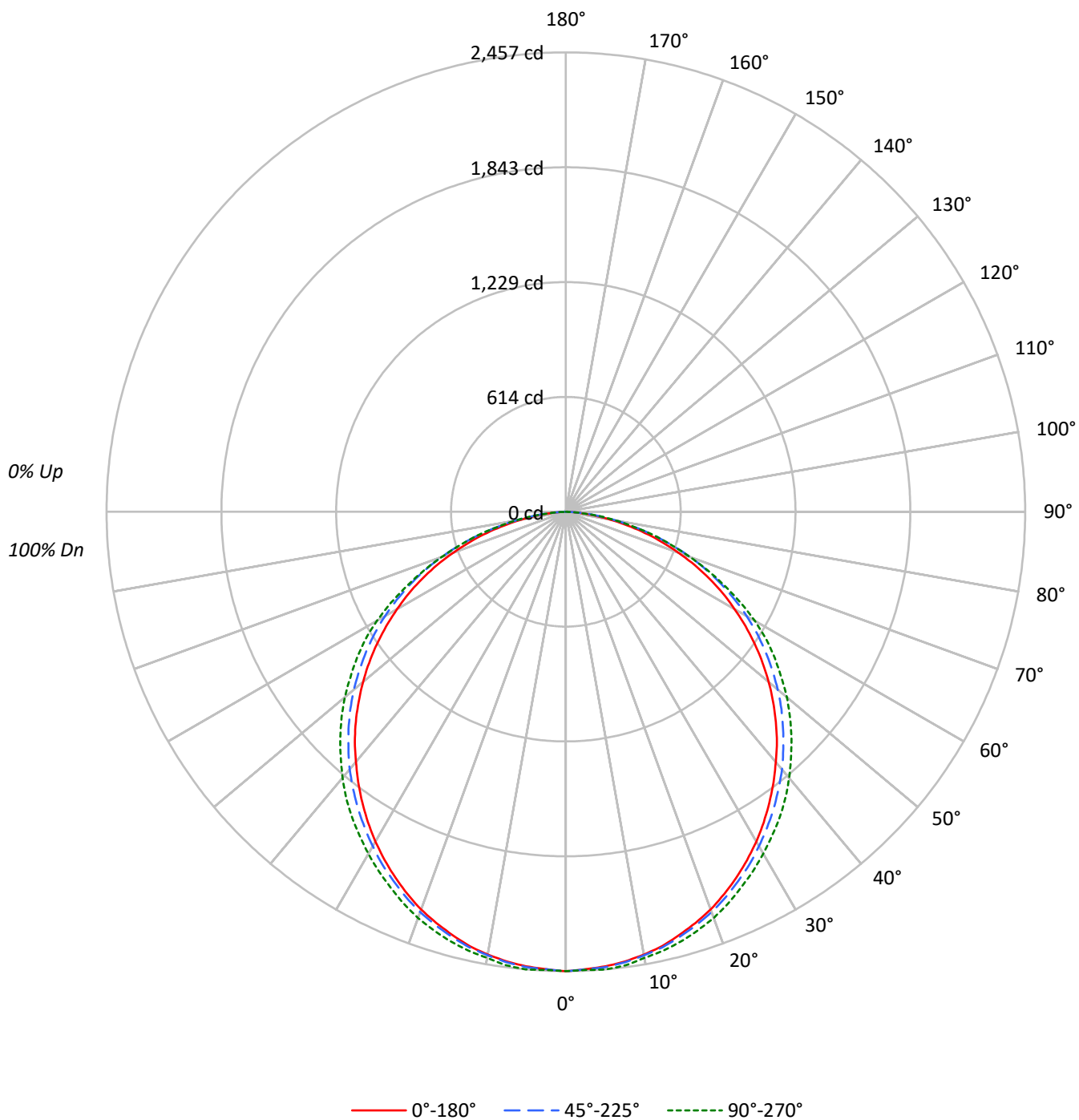
Lumens per Lamp: N/A
Luminaire Lumens: 7090.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8280	8280	8280
5°	8255	8269	8311
10°	8227	8242	8292
15°	8176	8212	8300
20°	8118	8170	8291
25°	8026	8104	8244
30°	7925	8039	8219
35°	7808	7972	8205
40°	7683	7915	8173
45°	7573	7833	8133
50°	7427	7757	8088
55°	7248	7656	8014
60°	7026	7536	7862
65°	6754	7323	7475
70°	6337	6958	6958
75°	5692	6321	6348
80°	4690	5344	5344
85°	3251	3901	3414

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.7	3.3
10°-20°	666.6	9.4
20°-30°	1008.9	14.2
30°-40°	1217.9	17.2
40°-50°	1272.4	17.9
50°-60°	1165.7	16.4
60°-70°	898.7	12.7
70°-80°	507.0	7.2
80°-90°	120.0	1.7
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°	1908.2	26.9
0°-40°	3126.1	44.1
0°-60°	5564.3	78.5
0°-90°	7090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2457	2457	2457	2457	2457	
5°	2440	2457	2445	2449	2457	232
15°	2344	2358	2354	2373	2379	661
25°	2159	2178	2180	2209	2218	995
35°	1898	1923	1938	1980	1995	1187
45°	1589	1616	1644	1692	1707	1225
55°	1234	1265	1303	1352	1364	1102
65°	847	874	918	950	938	837
75°	437	471	486	498	488	463
85°	84	95	101	107	88	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2457.2	2457.2	2457.2	2457.2	2457.2
2.5°	2448.8	2465.6	2448.8	2457.2	2453.0
5°	2440.4	2457.2	2444.6	2448.8	2457.2
7.5°	2425.6	2442.5	2429.8	2436.1	2446.7
10°	2404.6	2421.4	2408.8	2419.3	2423.5
12.5°	2379.4	2394.1	2385.7	2398.3	2404.6
15°	2343.7	2358.4	2354.2	2373.1	2379.4
17.5°	2305.8	2322.6	2318.4	2341.6	2347.9
20°	2263.8	2278.5	2278.5	2299.5	2312.1
22.5°	2213.3	2230.2	2232.3	2255.4	2268.0
25°	2158.7	2177.6	2179.7	2209.1	2217.5
27.5°	2099.8	2118.8	2127.2	2158.7	2167.1
30°	2036.8	2055.7	2066.2	2101.9	2112.4
32.5°	1969.5	1992.6	2003.1	2043.1	2053.6
35°	1898.1	1923.3	1938.0	1980.0	1994.7
37.5°	1824.5	1849.7	1868.6	1912.8	1929.6
40°	1746.7	1774.0	1799.3	1843.4	1858.1
42.5°	1671.0	1698.4	1721.5	1767.7	1782.4
45°	1589.1	1616.4	1643.7	1692.1	1706.8
47.5°	1502.9	1532.3	1563.8	1608.0	1626.9
50°	1416.7	1446.1	1479.8	1526.0	1542.8
52.5°	1326.3	1357.9	1391.5	1439.8	1452.4
55°	1233.8	1265.4	1303.2	1351.5	1364.2
57.5°	1139.3	1172.9	1212.8	1259.1	1271.7
60°	1042.6	1076.2	1118.2	1162.4	1166.6
62.5°	948.0	977.4	1019.4	1061.5	1055.2
65°	847.1	874.4	918.5	950.1	937.5
67.5°	746.2	775.6	815.6	838.7	821.9
70°	643.2	674.7	706.3	723.1	706.3
72.5°	540.2	573.8	597.0	607.5	592.7
75°	437.2	470.8	485.5	498.2	487.6
77.5°	338.4	369.9	376.2	391.0	376.2
80°	241.7	271.2	275.4	290.1	275.4
82.5°	155.5	174.5	182.9	195.5	180.8
85°	84.1	94.6	100.9	107.2	88.3
87.5°	29.4	33.6	29.4	25.2	10.5
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	19.06	20.71	19.42	21.02	21.33	19.60	21.25	19.97	21.56	21.88
	3H	20.84	22.34	21.22	22.66	23.02	21.41	22.90	21.78	23.23	23.59
	4H	21.48	22.89	21.88	23.24	23.61	22.05	23.46	22.45	23.81	24.18
	6H	21.91	23.21	22.32	23.58	23.97	22.49	23.80	22.90	24.16	24.55
	8H	22.02	23.26	22.44	23.65	24.05	22.62	23.86	23.04	24.25	24.65
	12H	22.07	23.27	22.50	23.65	24.08	22.67	23.87	23.10	24.25	24.68
4H	2H	19.78	21.19	20.18	21.54	21.91	20.21	21.62	20.61	21.96	22.34
	3H	21.79	22.97	22.20	23.37	23.77	22.24	23.43	22.65	23.82	24.22
	4H	22.56	23.63	22.99	24.04	24.47	23.02	24.09	23.46	24.51	24.94
	6H	23.10	24.04	23.56	24.48	24.93	23.59	24.53	24.05	24.97	25.42
	8H	23.25	24.12	23.71	24.56	25.03	23.76	24.63	24.22	25.07	25.54
	12H	23.33	24.12	23.81	24.59	25.06	23.85	24.64	24.33	25.11	25.58
8H	4H	22.90	23.77	23.36	24.22	24.68	23.31	24.19	23.77	24.63	25.09
	6H	23.56	24.29	24.05	24.77	25.25	24.00	24.72	24.49	25.21	25.68
	8H	23.77	24.42	24.27	24.92	25.41	24.23	24.88	24.74	25.38	25.87
	12H	23.90	24.48	24.41	24.97	25.53	24.38	24.95	24.88	25.44	26.00
12H	4H	22.94	23.72	23.42	24.20	24.67	23.34	24.12	23.82	24.60	25.07
	6H	23.61	24.27	24.12	24.77	25.26	24.04	24.69	24.54	25.19	25.68
	8H	23.87	24.45	24.38	24.94	25.50	24.32	24.90	24.83	25.39	25.95

END OF REPORT