

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: P1585906

Luminaire Tested: 14CZSP-SB-75-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-75-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

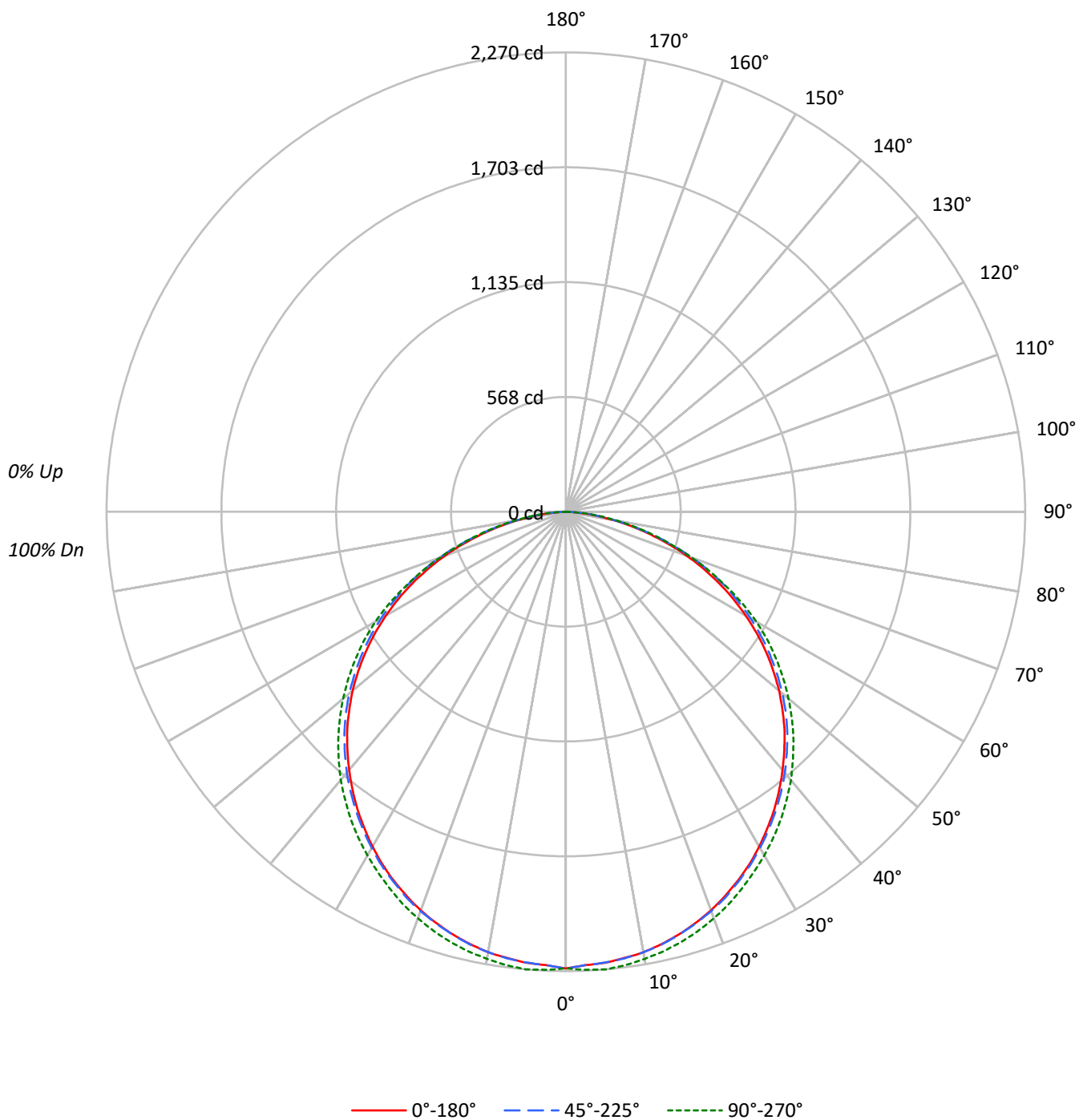
Lumens per Lamp: N/A
Luminaire Lumens: 6659.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7603	7603	7603
5°	7567	7563	7677
10°	7564	7560	7675
15°	7541	7548	7679
20°	7517	7532	7667
25°	7480	7499	7643
30°	7435	7467	7629
35°	7386	7432	7625
40°	7329	7405	7611
45°	7284	7376	7580
50°	7211	7323	7531
55°	7098	7230	7458
60°	6927	7105	7325
65°	6666	6918	6992
70°	6269	6559	6520
75°	5628	5868	5907
80°	4649	4888	5144
85°	3116	3626	3824

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7580 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	3.2
10°-20°	614.7	9.2
20°-30°	936.1	14.1
30°-40°	1139.3	17.1
40°-50°	1201.1	18.0
50°-60°	1106.2	16.6
60°-70°	854.4	12.8
70°-80°	478.1	7.2
80°-90°	115.2	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°	1764.7	26.5
0°-40°	2904.0	43.6
0°-60°	5211.3	78.3
0°-90°	6659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2256	2256	2256	2256	2256	
5°	2237	2269	2236	2239	2270	213
15°	2162	2191	2164	2176	2201	610
25°	2012	2040	2017	2030	2056	927
35°	1796	1822	1807	1829	1854	1123
45°	1528	1550	1548	1571	1591	1178
55°	1208	1229	1231	1256	1270	1078
65°	836	861	868	876	877	826
75°	432	459	451	450	454	458
85°	81	89	94	105	99	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2242.2	2274.8	2242.2	2247.3	2265.7
5°	2237.1	2268.7	2236.1	2239.2	2269.7
7.5°	2223.9	2256.5	2225.9	2230.0	2259.5
10°	2210.6	2240.2	2209.6	2214.7	2243.2
12.5°	2188.2	2218.8	2190.2	2196.3	2224.9
15°	2161.7	2191.2	2163.7	2175.9	2201.4
17.5°	2131.1	2159.6	2133.1	2147.4	2171.9
20°	2096.4	2123.9	2100.5	2110.7	2138.2
22.5°	2055.6	2084.2	2061.7	2070.9	2100.5
25°	2011.8	2040.3	2016.9	2030.1	2055.6
27.5°	1963.9	1991.4	1971.0	1987.3	2009.7
30°	1910.8	1937.3	1919.0	1938.4	1960.8
32.5°	1853.7	1882.3	1863.9	1886.4	1908.8
35°	1795.6	1822.1	1806.8	1829.3	1853.7
37.5°	1732.4	1757.9	1746.7	1770.1	1792.5
40°	1666.1	1694.7	1683.4	1707.9	1730.3
42.5°	1597.8	1625.3	1616.1	1641.6	1661.0
45°	1528.5	1549.9	1547.8	1571.3	1590.7
47.5°	1452.0	1478.5	1474.4	1497.9	1515.2
50°	1375.5	1396.9	1396.9	1419.4	1436.7
52.5°	1292.9	1314.3	1314.3	1340.8	1355.1
55°	1208.3	1228.7	1230.7	1256.2	1269.5
57.5°	1118.6	1140.0	1144.0	1169.5	1181.8
60°	1027.8	1048.2	1054.3	1079.8	1086.9
62.5°	933.0	957.5	960.5	980.9	985.0
65°	836.1	860.6	867.7	875.9	876.9
67.5°	737.2	762.7	769.8	769.8	769.8
70°	636.3	659.7	665.8	661.8	661.8
72.5°	534.3	559.8	556.7	552.7	554.7
75°	432.3	458.8	450.7	449.7	453.7
77.5°	334.4	359.9	346.7	354.8	355.9
80°	239.6	259.0	251.9	264.1	265.1
82.5°	154.0	166.2	168.2	178.4	175.4
85°	80.6	88.7	93.8	105.0	98.9
87.5°	25.5	33.6	30.6	35.7	27.5
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	19.08	20.74	19.45	21.05	21.37	19.30	20.95	19.66	21.27	21.58
	3H	20.90	22.40	21.28	22.73	23.09	21.10	22.60	21.48	22.92	23.28
	4H	21.55	22.96	21.95	23.31	23.68	21.74	23.15	22.14	23.50	23.87
	6H	21.98	23.29	22.39	23.65	24.04	22.19	23.50	22.60	23.86	24.25
	8H	22.09	23.34	22.51	23.73	24.13	22.32	23.57	22.75	23.96	24.36
	12H	22.14	23.34	22.57	23.72	24.15	22.40	23.60	22.83	23.98	24.41
4H	2H	19.76	21.17	20.16	21.52	21.90	19.93	21.34	20.33	21.69	22.07
	3H	21.80	22.99	22.21	23.39	23.78	21.95	23.13	22.35	23.53	23.93
	4H	22.58	23.66	23.01	24.07	24.50	22.70	23.78	23.13	24.19	24.62
	6H	23.13	24.07	23.59	24.51	24.96	23.28	24.22	23.73	24.66	25.11
	8H	23.28	24.16	23.74	24.60	25.06	23.45	24.33	23.91	24.77	25.24
	12H	23.36	24.15	23.84	24.63	25.09	23.57	24.36	24.05	24.83	25.30
8H	4H	22.89	23.77	23.35	24.21	24.67	23.00	23.88	23.46	24.32	24.78
	6H	23.55	24.28	24.04	24.77	25.24	23.68	24.41	24.17	24.90	25.37
	8H	23.76	24.41	24.26	24.91	25.40	23.92	24.57	24.43	25.08	25.56
	12H	23.89	24.47	24.40	24.96	25.52	24.10	24.67	24.60	25.16	25.72
12H	4H	22.92	23.71	23.40	24.18	24.65	23.03	23.82	23.51	24.29	24.76
	6H	23.59	24.25	24.10	24.76	25.24	23.72	24.38	24.23	24.88	25.37
	8H	23.85	24.43	24.36	24.92	25.48	24.01	24.59	24.52	25.08	25.64