

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: P1585893

Luminaire Tested: 14CZSP-SB-75-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-75-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 7200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

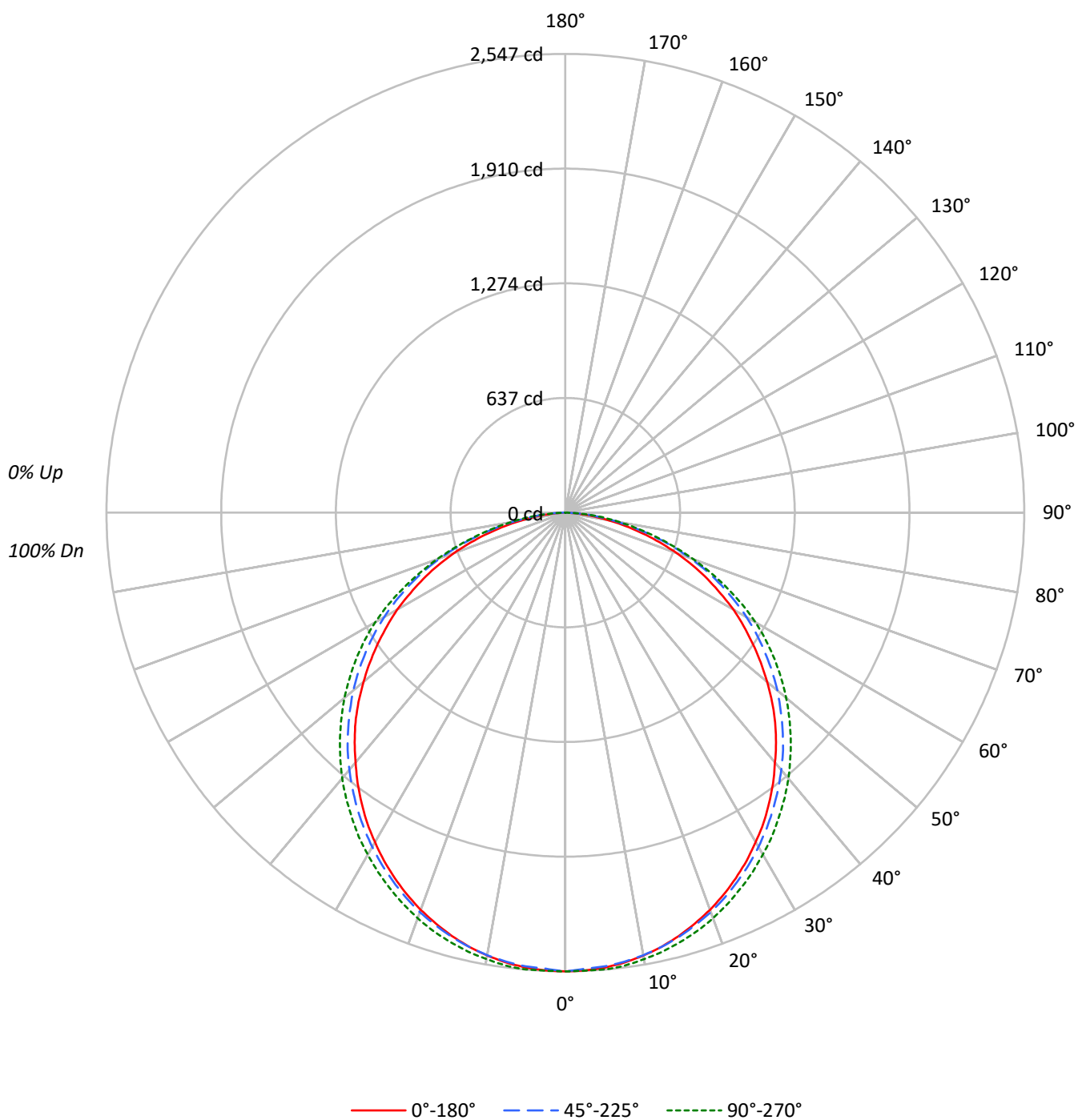
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7359.0 lumens
Efficiency: N/A
Efficacy: 128.7 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	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	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	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		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°	8583	8583	8583
5°	8577	8555	8612
10°	8545	8538	8614
15°	8490	8509	8609
20°	8416	8465	8594
25°	8324	8402	8560
30°	8220	8340	8530
35°	8106	8272	8498
40°	7964	8202	8477
45°	7850	8128	8431
50°	7663	8052	8391
55°	7467	7946	8326
60°	7265	7830	8215
65°	6939	7624	7902
70°	6475	7279	7457
75°	5769	6597	6789
80°	4710	5719	6006
85°	3116	4550	4875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8431 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	3.3
10°-20°	691.1	9.4
20°-30°	1046.3	14.2
30°-40°	1262.9	17.2
40°-50°	1318.9	17.9
50°-60°	1206.5	16.4
60°-70°	932.7	12.7
70°-80°	528.1	7.2
80°-90°	131.2	1.8
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°	1978.6	26.9
0°-40°	3241.6	44.0
0°-60°	5767.0	78.4
0°-90°	7359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2547	2547	2547	2547	2547	
5°	2536	2554	2529	2531	2546	241
15°	2434	2455	2439	2451	2468	686
25°	2239	2267	2260	2281	2302	1032
35°	1971	1998	2011	2045	2066	1233
45°	1647	1679	1706	1749	1769	1269
55°	1271	1309	1353	1395	1417	1137
65°	870	906	956	985	991	859
75°	443	481	507	519	522	470
85°	81	93	118	123	126	104
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2547.3	2547.3	2547.3	2547.3	2547.3
2.5°	2544.1	2562.1	2534.5	2539.8	2545.1
5°	2535.6	2553.6	2529.2	2531.4	2546.2
7.5°	2519.7	2539.8	2514.4	2518.6	2536.7
10°	2497.4	2517.6	2495.3	2499.6	2517.6
12.5°	2468.8	2489.0	2469.9	2476.2	2496.4
15°	2433.8	2455.0	2439.1	2450.8	2467.8
17.5°	2391.4	2417.9	2401.0	2419.0	2436.0
20°	2346.9	2373.4	2360.7	2376.6	2396.7
22.5°	2296.0	2322.5	2313.0	2330.0	2352.2
25°	2238.8	2267.4	2260.0	2281.2	2302.4
27.5°	2179.4	2207.0	2204.9	2228.2	2250.5
30°	2112.6	2142.3	2143.4	2170.9	2192.2
32.5°	2045.9	2072.4	2078.7	2109.5	2133.8
35°	1970.6	1998.2	2010.9	2044.8	2066.0
37.5°	1894.3	1925.0	1938.8	1975.9	1998.2
40°	1810.5	1845.5	1864.6	1903.8	1927.1
42.5°	1731.0	1762.8	1788.3	1827.5	1848.7
45°	1647.3	1679.1	1705.6	1749.1	1769.2
47.5°	1557.2	1592.2	1620.8	1663.2	1685.5
50°	1461.8	1499.9	1536.0	1577.3	1600.7
52.5°	1367.4	1404.5	1445.9	1486.2	1509.5
55°	1271.0	1309.1	1352.6	1395.0	1417.3
57.5°	1173.5	1211.6	1259.3	1297.5	1320.8
60°	1078.1	1113.0	1161.8	1200.0	1219.0
62.5°	969.9	1010.2	1060.0	1098.2	1108.8
65°	870.3	906.3	956.2	984.8	991.1
67.5°	764.3	800.3	850.1	866.0	875.6
70°	657.2	695.4	738.8	749.4	756.9
72.5°	549.1	588.3	622.2	632.8	639.2
75°	443.1	481.3	506.7	519.4	521.5
77.5°	340.3	375.3	398.6	413.4	413.4
80°	242.7	269.2	294.7	310.6	309.5
82.5°	154.8	174.9	201.4	213.1	220.5
85°	80.6	93.3	117.7	123.0	126.1
87.5°	25.4	32.9	42.4	35.0	33.9
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	19.15	20.80	19.51	21.11	21.43	19.69	21.34	20.06	21.65	21.97
	3H	20.92	22.42	21.30	22.74	23.10	21.55	23.04	21.93	23.37	23.73
	4H	21.55	22.95	21.94	23.30	23.68	22.22	23.63	22.62	23.98	24.35
	6H	21.95	23.26	22.36	23.62	24.01	22.71	24.01	23.12	24.38	24.77
	8H	22.05	23.30	22.48	23.69	24.09	22.86	24.11	23.29	24.50	24.90
	12H	22.10	23.30	22.53	23.68	24.11	22.96	24.16	23.39	24.54	24.97
4H	2H	19.89	21.30	20.29	21.64	22.02	20.31	21.72	20.71	22.07	22.44
	3H	21.88	23.06	22.29	23.46	23.86	22.39	23.57	22.80	23.97	24.37
	4H	22.63	23.70	23.06	24.11	24.55	23.19	24.26	23.62	24.67	25.11
	6H	23.15	24.08	23.60	24.52	24.98	23.80	24.74	24.26	25.18	25.63
	8H	23.28	24.16	23.74	24.60	25.07	24.01	24.88	24.47	25.32	25.79
	12H	23.36	24.15	23.84	24.62	25.09	24.15	24.93	24.63	25.41	25.88
8H	4H	22.98	23.86	23.44	24.30	24.77	23.48	24.35	23.94	24.80	25.26
	6H	23.62	24.34	24.11	24.83	25.31	24.21	24.94	24.70	25.43	25.90
	8H	23.81	24.46	24.32	24.97	25.45	24.48	25.14	24.99	25.64	26.13
	12H	23.94	24.51	24.44	25.00	25.56	24.69	25.27	25.20	25.76	26.32
12H	4H	23.03	23.81	23.51	24.29	24.76	23.50	24.29	23.98	24.76	25.23
	6H	23.68	24.34	24.19	24.84	25.33	24.25	24.91	24.76	25.41	25.90
	8H	23.93	24.51	24.44	25.00	25.56	24.58	25.16	25.09	25.65	26.21