

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: P1585897

Luminaire Tested: 14CZSP-SB-75-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585897
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-L840
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

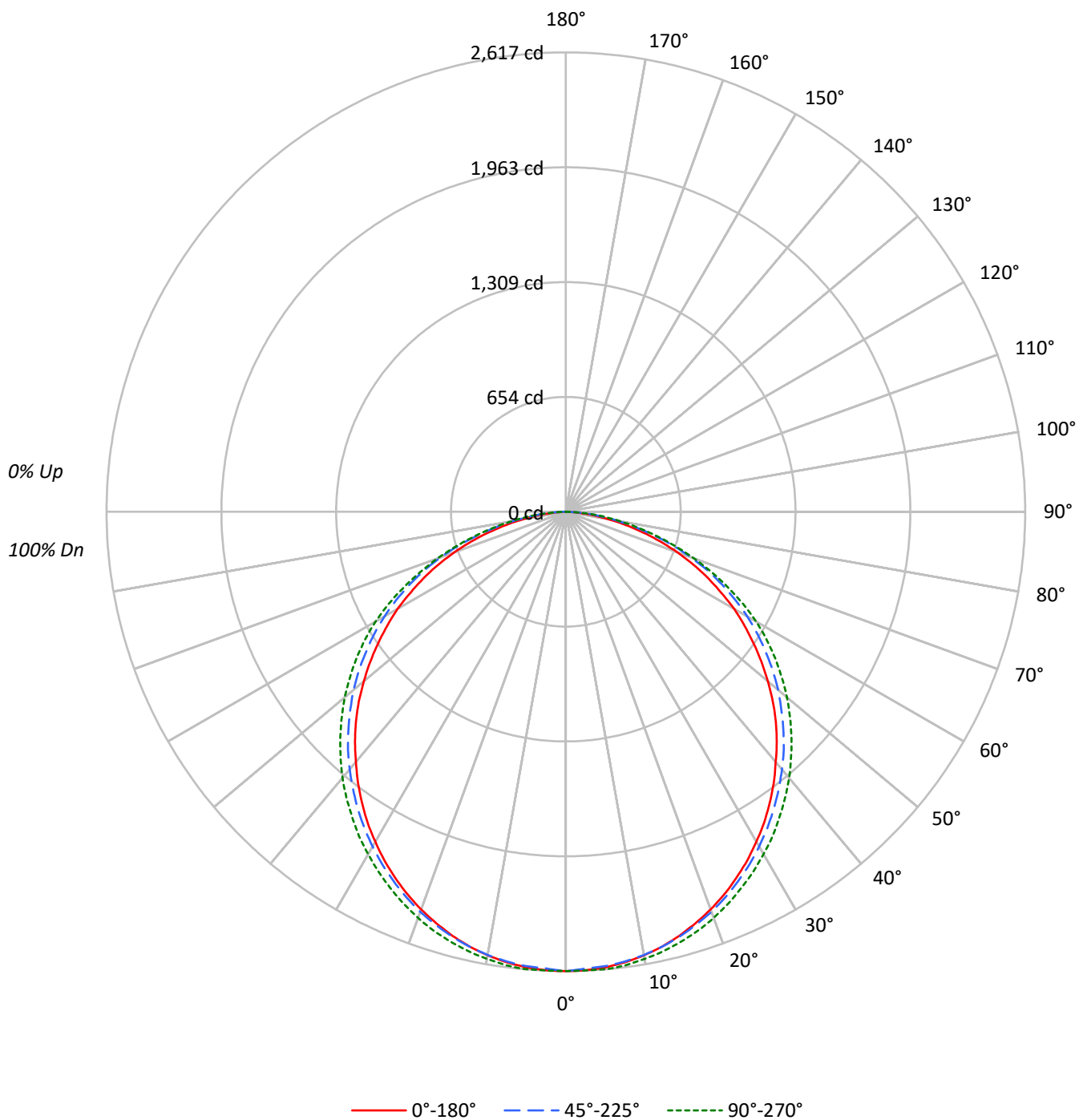
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7561.0 lumens
Efficiency: N/A
Efficacy: 132.2 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8819	8819	8819
5°	8812	8790	8849
10°	8780	8772	8851
15°	8723	8742	8845
20°	8647	8697	8830
25°	8552	8633	8795
30°	8445	8568	8763
35°	8329	8499	8732
40°	8182	8427	8709
45°	8065	8351	8662
50°	7873	8273	8621
55°	7672	8164	8555
60°	7464	8045	8441
65°	7130	7833	8119
70°	6653	7479	7661
75°	5928	6778	6977
80°	4840	5876	6171
85°	3201	4674	5011

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8662 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.9	3.3
10°-20°	710.1	9.4
20°-30°	1075.0	14.2
30°-40°	1297.6	17.2
40°-50°	1355.1	17.9
50°-60°	1239.7	16.4
60°-70°	958.4	12.7
70°-80°	542.6	7.2
80°-90°	134.8	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°	2032.9	26.9
0°-40°	3330.6	44.0
0°-60°	5925.3	78.4
0°-90°	7561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7561.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2617	2617	2617	2617	2617	
5°	2605	2624	2599	2601	2616	247
15°	2501	2522	2506	2518	2536	705
25°	2300	2330	2322	2344	2366	1060
35°	2025	2053	2066	2101	2123	1266
45°	1692	1725	1752	1797	1818	1303
55°	1306	1345	1390	1433	1456	1168
65°	894	931	982	1012	1018	883
75°	455	494	521	534	536	483
85°	83	96	121	126	130	107
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2617.2	2617.2	2617.2	2617.2	2617.2
2.5°	2613.9	2632.4	2604.1	2609.6	2615.0
5°	2605.2	2623.7	2598.7	2600.8	2616.1
7.5°	2588.9	2609.6	2583.4	2587.8	2606.3
10°	2566.0	2586.7	2563.8	2568.2	2586.7
12.5°	2536.6	2557.3	2537.7	2544.2	2564.9
15°	2500.6	2522.4	2506.1	2518.1	2535.5
17.5°	2457.1	2484.3	2466.9	2485.4	2502.8
20°	2411.3	2438.6	2425.5	2441.8	2462.5
22.5°	2359.1	2386.3	2376.5	2393.9	2416.8
25°	2300.2	2329.7	2322.0	2343.8	2365.6
27.5°	2239.3	2267.6	2265.4	2289.4	2312.2
30°	2170.6	2201.1	2202.2	2230.5	2252.3
32.5°	2102.0	2129.3	2135.8	2167.4	2192.4
35°	2024.7	2053.0	2066.1	2100.9	2122.7
37.5°	1946.3	1977.9	1992.0	2030.1	2053.0
40°	1860.2	1896.2	1915.8	1956.1	1980.0
42.5°	1778.6	1811.2	1837.4	1877.7	1899.4
45°	1692.5	1725.2	1752.4	1797.1	1817.8
47.5°	1599.9	1635.9	1665.3	1708.8	1731.7
50°	1501.9	1541.1	1578.2	1620.6	1644.6
52.5°	1405.0	1443.1	1485.6	1527.0	1550.9
55°	1305.9	1345.1	1389.7	1433.3	1456.2
57.5°	1205.7	1244.9	1293.9	1333.1	1357.1
60°	1107.6	1143.6	1193.7	1232.9	1252.5
62.5°	996.6	1037.9	1089.1	1128.3	1139.2
65°	894.2	931.2	982.4	1011.8	1018.3
67.5°	785.3	822.3	873.5	889.8	899.6
70°	675.3	714.5	759.1	770.0	777.6
72.5°	564.2	604.5	639.3	650.2	656.7
75°	455.3	494.5	520.6	533.7	535.9
77.5°	349.6	385.6	409.5	424.8	424.8
80°	249.4	276.6	302.8	319.1	318.0
82.5°	159.0	179.7	206.9	218.9	226.5
85°	82.8	95.8	120.9	126.3	129.6
87.5°	26.1	33.8	43.6	35.9	34.9
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	19.24	20.89	19.61	21.21	21.52	19.78	21.43	20.15	21.75	22.06
	3H	21.02	22.51	21.39	22.84	23.20	21.64	23.14	22.02	23.46	23.82
	4H	21.64	23.05	22.04	23.40	23.77	22.32	23.72	22.71	24.07	24.45
	6H	22.04	23.35	22.46	23.71	24.10	22.80	24.11	23.21	24.47	24.86
	8H	22.15	23.39	22.57	23.78	24.18	22.96	24.21	23.38	24.59	24.99
	12H	22.19	23.39	22.62	23.77	24.20	23.06	24.25	23.49	24.63	25.06
4H	2H	19.98	21.39	20.38	21.74	22.11	20.40	21.81	20.80	22.16	22.53
	3H	21.97	23.16	22.38	23.55	23.95	22.48	23.66	22.89	24.06	24.46
	4H	22.72	23.79	23.15	24.21	24.64	23.28	24.35	23.71	24.77	25.20
	6H	23.24	24.18	23.70	24.62	25.07	23.90	24.83	24.35	25.27	25.73
	8H	23.38	24.25	23.84	24.70	25.16	24.10	24.98	24.56	25.42	25.88
	12H	23.45	24.24	23.93	24.72	25.18	24.24	25.03	24.72	25.50	25.97
8H	4H	23.08	23.95	23.54	24.40	24.86	23.57	24.45	24.03	24.89	25.35
	6H	23.71	24.44	24.20	24.93	25.40	24.31	25.03	24.80	25.52	25.99
	8H	23.91	24.56	24.41	25.06	25.55	24.58	25.23	25.09	25.74	26.22
	12H	24.03	24.61	24.54	25.10	25.66	24.79	25.36	25.29	25.85	26.41
12H	4H	23.12	23.91	23.60	24.38	24.85	23.60	24.38	24.08	24.86	25.33
	6H	23.78	24.43	24.28	24.94	25.42	24.35	25.00	24.86	25.51	25.99
	8H	24.02	24.60	24.53	25.09	25.65	24.68	25.25	25.18	25.74	26.30