

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: P1590025

Luminaire Tested: 24CZSP-SB-75VHE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-SB-75VHE-L935
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 8000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

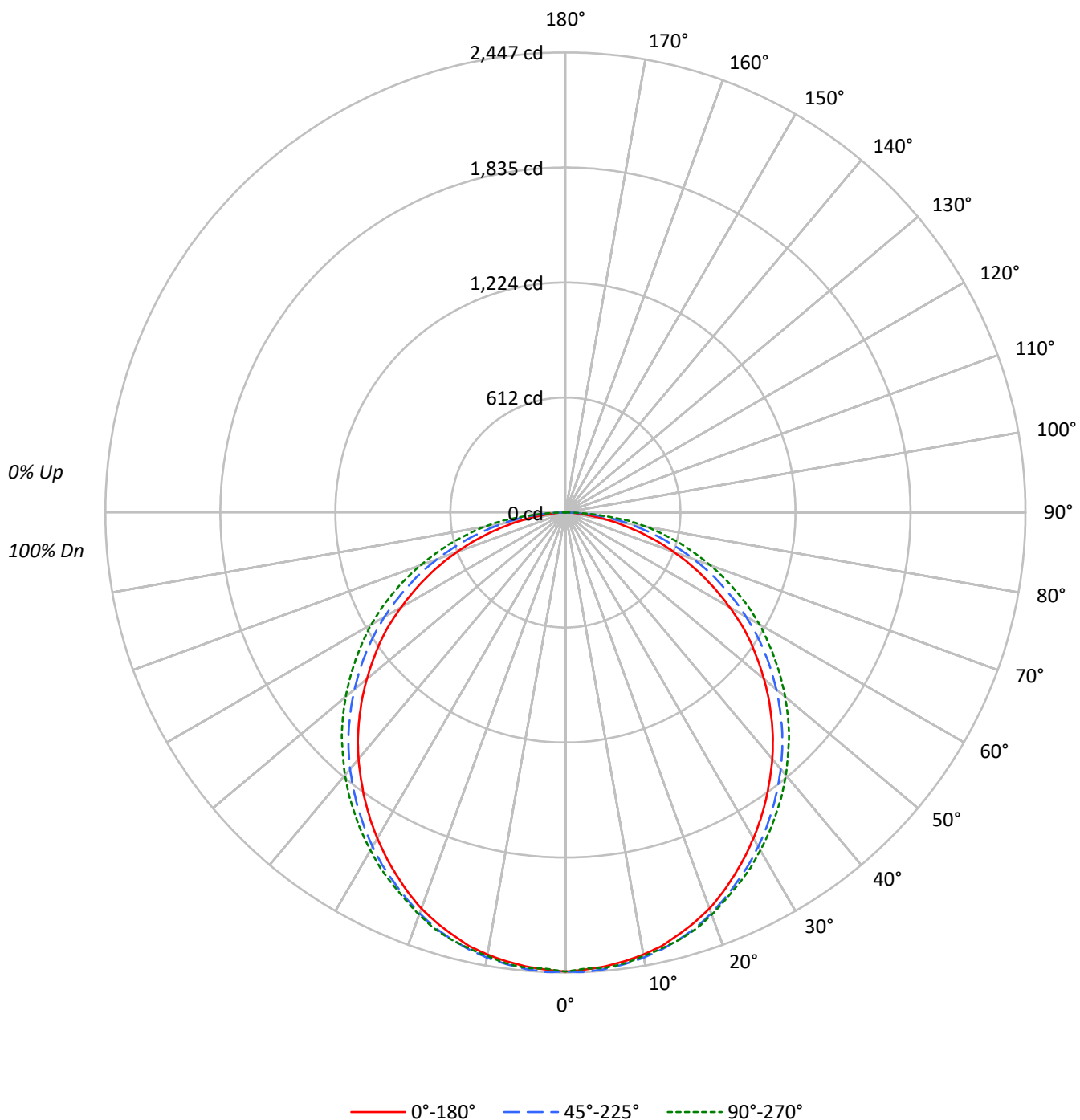
Lumens per Lamp: N/A
Luminaire Lumens: 7127.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 56.9
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: 28.75 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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3740	3740	3740
5°	3727	3748	3739
10°	3714	3739	3725
15°	3686	3724	3729
20°	3653	3698	3710
25°	3594	3658	3684
30°	3537	3628	3668
35°	3480	3593	3655
40°	3423	3562	3646
45°	3359	3529	3643
50°	3285	3490	3634
55°	3210	3452	3633
60°	3091	3401	3655
65°	2946	3335	3657
70°	2749	3242	3668
75°	2446	3124	3731
80°	2009	2994	3872
85°	1325	2810	3499

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3965 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	3.2
10°-20°	661.2	9.3
20°-30°	996.6	14.0
30°-40°	1200.2	16.8
40°-50°	1253.9	17.6
50°-60°	1152.0	16.2
60°-70°	907.2	12.7
70°-80°	556.2	7.8
80°-90°	168.6	2.4
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°	1888.9	26.5
0°-40°	3089.1	43.3
0°-60°	5495.0	77.1
0°-90°	7127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7127.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2442	2442	2442	2442	2442	
5°	2424	2429	2438	2435	2432	230
15°	2324	2334	2349	2358	2352	656
25°	2127	2140	2165	2187	2180	980
35°	1861	1886	1922	1956	1955	1164
45°	1551	1584	1629	1674	1682	1196
55°	1202	1237	1293	1348	1361	1073
65°	813	855	920	982	1009	804
75°	413	462	528	591	630	439
85°	75	112	160	178	199	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2442.1	2442.1	2442.1	2442.1	2442.1
2.5°	2433.1	2439.1	2446.7	2434.6	2428.6
5°	2424.0	2428.6	2437.6	2434.6	2431.6
7.5°	2407.4	2410.5	2422.5	2422.5	2419.5
10°	2387.8	2393.9	2404.4	2402.9	2395.4
12.5°	2362.2	2366.7	2378.8	2378.8	2374.3
15°	2324.5	2333.5	2348.6	2357.7	2351.6
17.5°	2285.3	2294.3	2313.9	2323.0	2320.0
20°	2241.5	2249.1	2268.7	2282.2	2276.2
22.5°	2187.2	2196.3	2218.9	2234.0	2227.9
25°	2126.9	2140.5	2164.6	2187.2	2179.7
27.5°	2066.5	2081.6	2111.8	2134.4	2131.4
30°	2000.2	2019.8	2051.5	2080.1	2074.1
32.5°	1932.3	1954.9	1988.1	2018.3	2016.8
35°	1861.4	1885.5	1921.7	1956.4	1954.9
37.5°	1786.0	1814.6	1852.3	1890.1	1891.6
40°	1712.1	1739.2	1781.4	1822.2	1823.7
42.5°	1633.6	1662.3	1707.5	1749.8	1751.3
45°	1550.7	1583.8	1629.1	1674.4	1681.9
47.5°	1466.2	1500.9	1547.6	1595.9	1605.0
50°	1378.7	1414.9	1464.7	1516.0	1525.0
52.5°	1289.7	1327.4	1378.7	1430.0	1443.6
55°	1202.2	1236.9	1292.7	1348.5	1360.6
57.5°	1110.2	1141.9	1202.2	1261.0	1276.1
60°	1009.1	1048.4	1110.2	1169.0	1193.2
62.5°	911.1	953.3	1016.7	1075.5	1102.7
65°	813.0	855.3	920.1	982.0	1009.1
67.5°	713.5	757.2	826.6	885.4	915.6
70°	613.9	657.7	724.0	787.4	819.1
72.5°	514.4	561.1	626.0	690.9	722.5
75°	413.3	461.6	527.9	591.3	630.5
77.5°	318.3	365.0	431.4	496.3	529.5
80°	227.8	274.5	339.4	404.3	439.0
82.5°	144.8	188.6	251.9	306.2	337.9
85°	75.4	111.6	159.9	178.0	199.1
87.5°	22.6	43.7	61.8	69.4	86.0
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	16.1	17.8	16.5	18.1	18.4	16.8	18.5	17.2	18.8	19.1
	3H	17.9	19.4	18.2	19.7	20.1	18.9	20.4	19.3	20.8	21.1
	4H	18.5	19.9	18.9	20.3	20.6	19.8	21.2	20.2	21.6	22.0
	6H	18.9	20.2	19.3	20.6	21.0	20.6	21.9	21.0	22.3	22.7
	8H	19.0	20.3	19.4	20.7	21.1	20.9	22.2	21.3	22.6	23.0
	12H	19.1	20.3	19.5	20.6	21.1	21.1	22.3	21.5	22.7	23.1
4H	2H	16.9	18.3	17.3	18.6	19.0	17.4	18.9	17.8	19.2	19.6
	3H	18.9	20.1	19.3	20.5	20.9	19.8	21.0	20.2	21.4	21.8
	4H	19.6	20.7	20.0	21.1	21.5	20.8	21.9	21.2	22.3	22.7
	6H	20.2	21.1	20.6	21.5	22.0	21.7	22.7	22.2	23.1	23.6
	8H	20.3	21.2	20.8	21.6	22.1	22.1	23.0	22.6	23.5	23.9
	12H	20.4	21.2	20.9	21.7	22.1	22.4	23.2	22.9	23.7	24.1
8H	4H	20.1	21.0	20.5	21.4	21.9	21.1	22.0	21.6	22.4	22.9
	6H	20.7	21.5	21.2	22.0	22.4	22.2	22.9	22.7	23.4	23.9
	8H	21.0	21.6	21.5	22.1	22.6	22.7	23.4	23.2	23.9	24.3
	12H	21.1	21.7	21.6	22.2	22.8	23.1	23.6	23.6	24.1	24.7
12H	4H	20.1	21.0	20.6	21.4	21.9	21.1	21.9	21.6	22.4	22.9
	6H	20.9	21.6	21.4	22.0	22.6	22.3	22.9	22.8	23.4	23.9
	8H	21.2	21.8	21.7	22.2	22.8	22.8	23.4	23.3	23.9	24.4

(END OF REPORT)