

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: P1589875

Luminaire Tested: 24CZSP-SB-57HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589875
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-57HE-L835
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 5500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

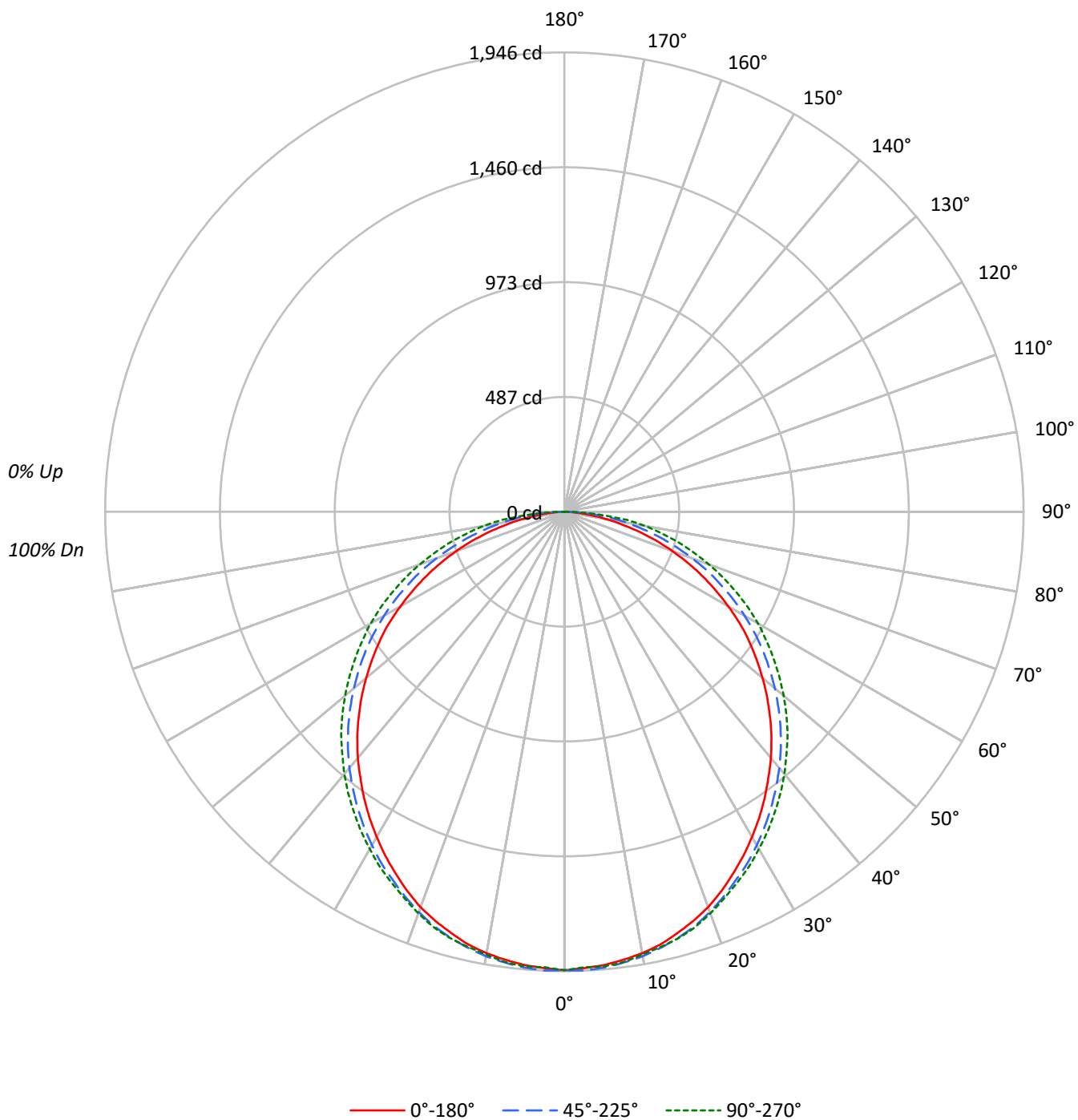
Lumens per Lamp: N/A
Luminaire Lumens: 5667.0 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 39.4
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°	2974	2974	2974
5°	2963	2980	2973
10°	2953	2973	2962
15°	2931	2961	2965
20°	2905	2940	2950
25°	2858	2909	2929
30°	2813	2885	2917
35°	2767	2857	2906
40°	2722	2832	2899
45°	2671	2806	2897
50°	2612	2775	2889
55°	2553	2745	2889
60°	2458	2704	2906
65°	2343	2651	2908
70°	2186	2578	2917
75°	1945	2484	2967
80°	1597	2381	3078
85°	1054	2234	2782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3153 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	3.2
10°-20°	525.8	9.3
20°-30°	792.5	14.0
30°-40°	954.3	16.8
40°-50°	997.0	17.6
50°-60°	916.0	16.2
60°-70°	721.3	12.7
70°-80°	442.2	7.8
80°-90°	134.1	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°	1502.0	26.5
0°-40°	2456.3	43.3
0°-60°	4369.3	77.1
0°-90°	5667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1942	1942	1942	1942	1942	
5°	1928	1931	1938	1936	1934	183
15°	1848	1856	1868	1875	1870	522
25°	1691	1702	1721	1739	1733	780
35°	1480	1499	1528	1556	1554	926
45°	1233	1259	1295	1331	1337	951
55°	956	984	1028	1072	1082	853
65°	646	680	732	781	802	639
75°	329	367	420	470	501	349
85°	60	89	127	142	158	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1941.9	1941.9	1941.9	1941.9	1941.9
2.5°	1934.7	1939.5	1945.5	1935.9	1931.1
5°	1927.5	1931.1	1938.3	1935.9	1933.5
7.5°	1914.3	1916.7	1926.3	1926.3	1923.9
10°	1898.7	1903.5	1911.9	1910.7	1904.7
12.5°	1878.3	1881.9	1891.5	1891.5	1887.9
15°	1848.3	1855.5	1867.5	1874.7	1869.9
17.5°	1817.1	1824.3	1839.9	1847.1	1844.7
20°	1782.3	1788.3	1803.9	1814.7	1809.9
22.5°	1739.2	1746.3	1764.3	1776.3	1771.5
25°	1691.2	1702.0	1721.2	1739.2	1733.2
27.5°	1643.2	1655.2	1679.2	1697.2	1694.8
30°	1590.4	1606.0	1631.2	1654.0	1649.2
32.5°	1536.5	1554.4	1580.8	1604.8	1603.6
35°	1480.1	1499.3	1528.1	1555.6	1554.4
37.5°	1420.1	1442.9	1472.9	1502.9	1504.1
40°	1361.3	1382.9	1416.5	1448.9	1450.1
42.5°	1299.0	1321.8	1357.7	1391.3	1392.5
45°	1233.0	1259.4	1295.4	1331.4	1337.3
47.5°	1165.8	1193.4	1230.6	1269.0	1276.2
50°	1096.3	1125.1	1164.6	1205.4	1212.6
52.5°	1025.5	1055.5	1096.3	1137.0	1147.8
55°	955.9	983.5	1027.9	1072.3	1081.9
57.5°	882.8	908.0	955.9	1002.7	1014.7
60°	802.4	833.6	882.8	929.5	948.7
62.5°	724.4	758.0	808.4	855.2	876.8
65°	646.5	680.1	731.6	780.8	802.4
67.5°	567.3	602.1	657.3	704.1	728.0
70°	488.2	522.9	575.7	626.1	651.3
72.5°	409.0	446.2	497.8	549.3	574.5
75°	328.6	367.0	419.8	470.2	501.4
77.5°	253.1	290.3	343.0	394.6	421.0
80°	181.1	218.3	269.9	321.4	349.0
82.5°	115.1	149.9	200.3	243.5	268.7
85°	60.0	88.8	127.1	141.5	158.3
87.5°	18.0	34.8	49.2	55.2	68.4
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	15.3	17.0	15.7	17.3	17.6	16.0	17.7	16.4	18.0	18.3
	3H	17.1	18.6	17.4	18.9	19.3	18.1	19.6	18.5	20.0	20.3
	4H	17.7	19.1	18.1	19.5	19.8	19.0	20.4	19.4	20.8	21.2
	6H	18.1	19.4	18.5	19.8	20.2	19.8	21.1	20.2	21.5	21.9
	8H	18.2	19.5	18.6	19.9	20.3	20.1	21.4	20.5	21.8	22.2
	12H	18.3	19.5	18.7	19.8	20.3	20.3	21.5	20.7	21.9	22.3
4H	2H	16.1	17.5	16.5	17.8	18.2	16.7	18.1	17.0	18.4	18.8
	3H	18.1	19.3	18.5	19.7	20.1	19.0	20.2	19.4	20.6	21.0
	4H	18.8	19.9	19.2	20.3	20.8	20.0	21.1	20.4	21.5	21.9
	6H	19.4	20.3	19.8	20.7	21.2	20.9	21.9	21.4	22.3	22.8
	8H	19.5	20.4	20.0	20.8	21.3	21.3	22.2	21.8	22.7	23.1
	12H	19.6	20.4	20.1	20.9	21.3	21.6	22.4	22.1	22.9	23.3
8H	4H	19.3	20.2	19.7	20.6	21.1	20.3	21.2	20.8	21.6	22.1
	6H	19.9	20.7	20.4	21.2	21.7	21.4	22.1	21.9	22.6	23.1
	8H	20.2	20.8	20.7	21.3	21.8	21.9	22.6	22.4	23.1	23.5
	12H	20.3	20.9	20.8	21.4	22.0	22.3	22.9	22.8	23.3	23.9
12H	4H	19.4	20.2	19.8	20.6	21.1	20.3	21.1	20.8	21.6	22.1
	6H	20.1	20.8	20.6	21.2	21.8	21.5	22.1	22.0	22.6	23.1
	8H	20.4	21.0	20.9	21.4	22.0	22.0	22.6	22.5	23.1	23.6

(END OF REPORT)