

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: P1585846

Luminaire Tested: 14CZSP-SB-65-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585846
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-65-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

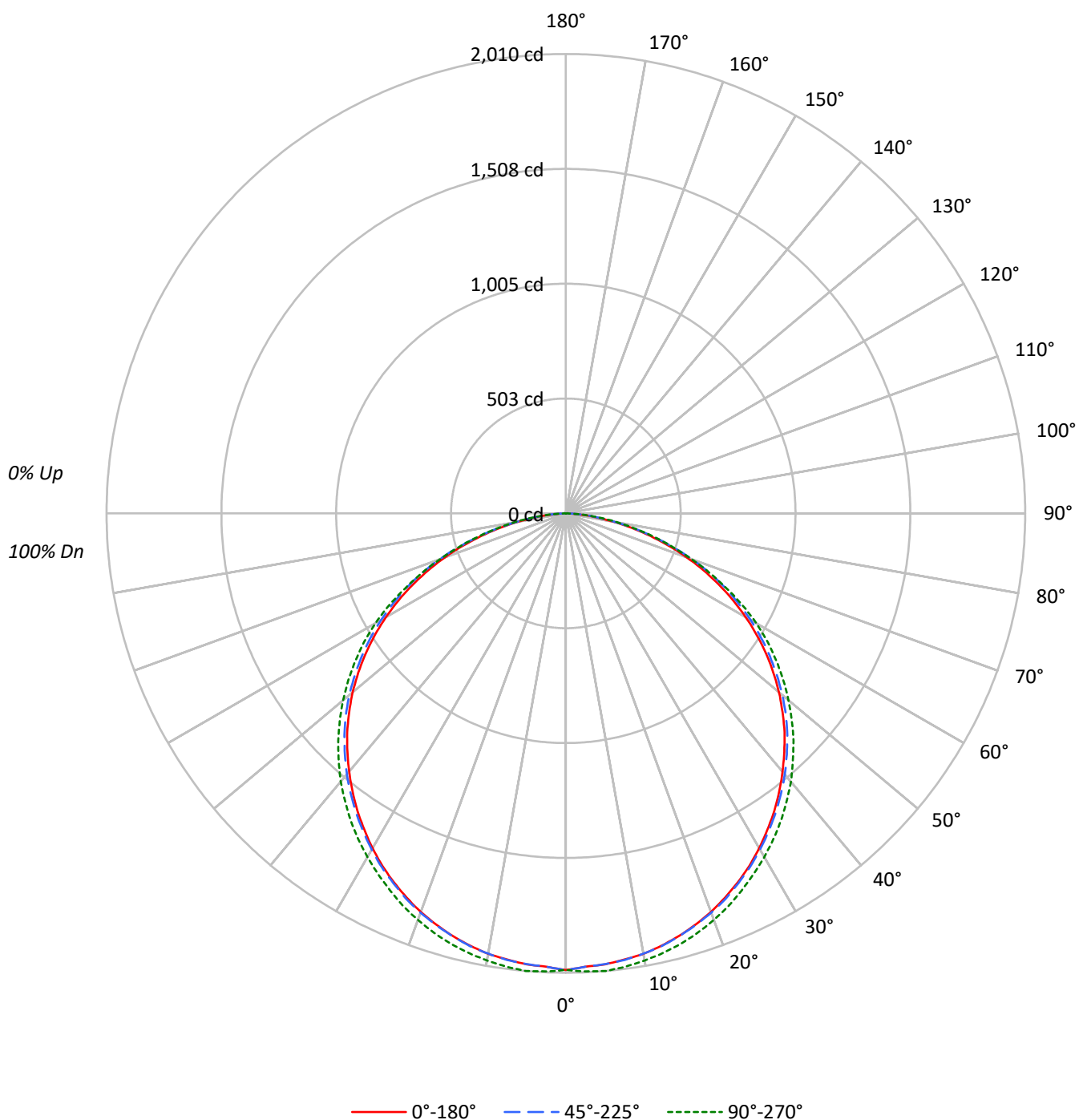
Lumens per Lamp: N/A
Luminaire Lumens: 5896.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 48.8
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°	6732	6732	6732
5°	6700	6697	6798
10°	6697	6694	6796
15°	6677	6683	6800
20°	6656	6669	6789
25°	6623	6639	6767
30°	6583	6611	6755
35°	6540	6581	6751
40°	6489	6557	6739
45°	6449	6531	6711
50°	6384	6484	6669
55°	6285	6402	6603
60°	6133	6291	6486
65°	5902	6126	6190
70°	5551	5808	5772
75°	4984	5195	5231
80°	4118	4327	4554
85°	2757	3213	3387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6711 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.4	3.2
10°-20°	544.3	9.2
20°-30°	828.9	14.1
30°-40°	1008.8	17.1
40°-50°	1063.4	18.0
50°-60°	979.5	16.6
60°-70°	756.5	12.8
70°-80°	423.3	7.2
80°-90°	102.0	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°	1562.5	26.5
0°-40°	2571.3	43.6
0°-60°	4614.2	78.3
0°-90°	5896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1998	1998	1998	1998	1998	
5°	1981	2009	1980	1983	2010	188
15°	1914	1940	1916	1927	1949	540
25°	1781	1806	1786	1798	1820	821
35°	1590	1613	1600	1620	1641	994
45°	1353	1372	1370	1391	1408	1043
55°	1070	1088	1090	1112	1124	955
65°	740	762	768	776	776	731
75°	383	406	399	398	402	406
85°	71	78	83	93	88	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1997.9	1997.9	1997.9	1997.9	1997.9
2.5°	1985.3	2014.2	1985.3	1989.8	2006.1
5°	1980.8	2008.8	1979.9	1982.6	2009.7
7.5°	1969.0	1997.9	1970.9	1974.5	2000.6
10°	1957.3	1983.5	1956.4	1960.9	1986.2
12.5°	1937.4	1964.5	1939.3	1944.7	1970.0
15°	1914.0	1940.2	1915.8	1926.6	1949.2
17.5°	1886.9	1912.2	1888.7	1901.3	1923.0
20°	1856.2	1880.6	1859.8	1868.8	1893.2
22.5°	1820.1	1845.4	1825.5	1833.6	1859.8
25°	1781.3	1806.5	1785.8	1797.5	1820.1
27.5°	1738.8	1763.2	1745.1	1759.6	1779.5
30°	1691.9	1715.4	1699.1	1716.3	1736.1
32.5°	1641.3	1666.6	1650.4	1670.2	1690.1
35°	1589.9	1613.3	1599.8	1619.7	1641.3
37.5°	1533.9	1556.5	1546.5	1567.3	1587.2
40°	1475.2	1500.5	1490.6	1512.2	1532.1
42.5°	1414.7	1439.1	1431.0	1453.5	1470.7
45°	1353.3	1372.3	1370.5	1391.2	1408.4
47.5°	1285.6	1309.1	1305.5	1326.2	1341.6
50°	1217.9	1236.9	1236.9	1256.7	1272.1
52.5°	1144.8	1163.7	1163.7	1187.2	1199.8
55°	1069.8	1087.9	1089.7	1112.3	1124.0
57.5°	990.4	1009.4	1013.0	1035.5	1046.4
60°	910.0	928.1	933.5	956.1	962.4
62.5°	826.1	847.7	850.5	868.5	872.1
65°	740.3	762.0	768.3	775.5	776.4
67.5°	652.7	675.3	681.6	681.6	681.6
70°	563.4	584.1	589.5	585.9	585.9
72.5°	473.1	495.6	492.9	489.3	491.1
75°	382.8	406.3	399.0	398.1	401.8
77.5°	296.1	318.7	307.0	314.2	315.1
80°	212.2	229.3	223.0	233.8	234.7
82.5°	136.3	147.2	149.0	158.0	155.3
85°	71.3	78.5	83.1	93.0	87.6
87.5°	22.6	29.8	27.1	31.6	24.4
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	18.66	20.32	19.02	20.63	20.94	18.88	20.53	19.24	20.85	21.16
	3H	20.48	21.98	20.86	22.31	22.67	20.68	22.17	21.05	22.50	22.86
	4H	21.13	22.54	21.53	22.89	23.26	21.31	22.73	21.71	23.07	23.45
	6H	21.56	22.87	21.97	23.23	23.62	21.77	23.08	22.18	23.44	23.83
	8H	21.67	22.92	22.09	23.31	23.70	21.90	23.15	22.32	23.54	23.94
	12H	21.72	22.92	22.15	23.30	23.73	21.98	23.17	22.40	23.56	23.98
4H	2H	19.34	20.75	19.74	21.10	21.47	19.51	20.92	19.91	21.27	21.64
	3H	21.38	22.57	21.79	22.96	23.36	21.52	22.71	21.93	23.10	23.50
	4H	22.16	23.23	22.59	23.65	24.08	22.28	23.35	22.71	23.77	24.20
	6H	22.71	23.65	23.16	24.09	24.54	22.86	23.79	23.31	24.23	24.69
	8H	22.86	23.73	23.32	24.17	24.64	23.03	23.91	23.49	24.35	24.81
	12H	22.94	23.73	23.42	24.20	24.67	23.14	23.93	23.62	24.41	24.88
8H	4H	22.47	23.34	22.93	23.79	24.25	22.58	23.45	23.03	23.89	24.36
	6H	23.13	23.86	23.62	24.34	24.82	23.26	23.99	23.75	24.47	24.95
	8H	23.33	23.99	23.84	24.49	24.98	23.50	24.15	24.00	24.65	25.14
	12H	23.47	24.04	23.97	24.53	25.09	23.67	24.25	24.18	24.74	25.30
12H	4H	22.50	23.29	22.98	23.76	24.23	22.60	23.39	23.08	23.87	24.34
	6H	23.17	23.83	23.68	24.33	24.82	23.30	23.95	23.81	24.46	24.94
	8H	23.43	24.01	23.93	24.50	25.06	23.59	24.17	24.09	24.66	25.22