

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: P1587797

Luminaire Tested: 22CZSP-SB-57HE-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587797
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: 22CZSP-SB-57HE-L840
Description: 2x2 CZSP LED Luminaire, 4000K CCT and 5700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

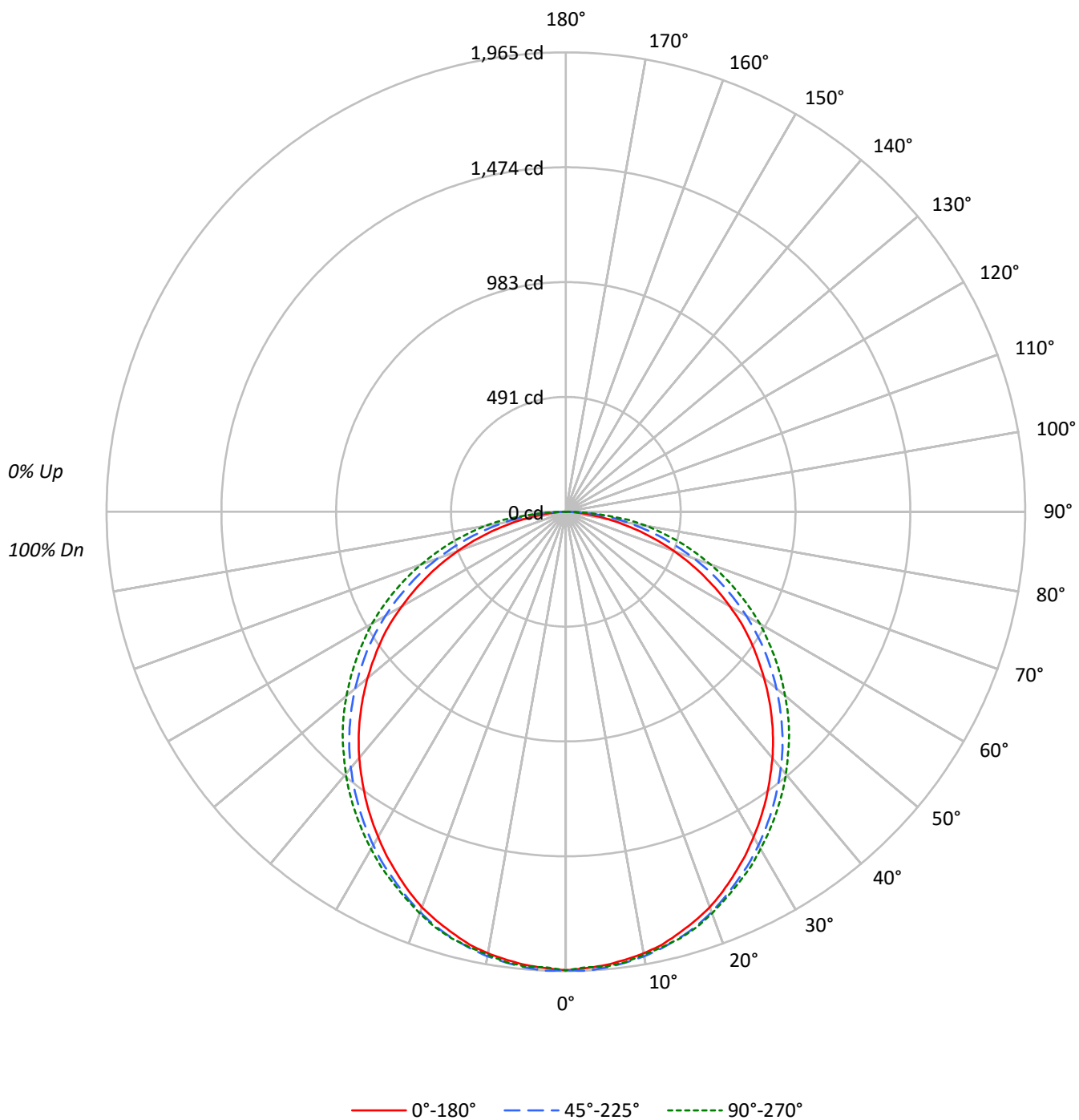
Lumens per Lamp: N/A
Luminaire Lumens: 5724.0 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.9
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: 24 FT

TEST NUMBER: P1587797

CATALOG NUMBER: 22CZSP-SB-57HE-L840

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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6142	6142	6142
5°	6119	6154	6139
10°	6098	6140	6117
15°	6052	6115	6123
20°	5999	6072	6092
25°	5902	6007	6048
30°	5808	5957	6023
35°	5715	5900	6002
40°	5621	5849	5987
45°	5515	5794	5982
50°	5394	5730	5967
55°	5271	5668	5966
60°	5076	5584	6002
65°	4838	5476	6005
70°	4515	5324	6022
75°	4015	5130	6127
80°	3298	4916	6356
85°	2177	4613	5745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6511 cd/sqm

TEST NUMBER: P1587797

CATALOG NUMBER: 22CZSP-SB-57HE-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.5	3.2
10°-20°	531.1	9.3
20°-30°	800.4	14.0
30°-40°	963.9	16.8
40°-50°	1007.1	17.6
50°-60°	925.2	16.2
60°-70°	728.6	12.7
70°-80°	446.7	7.8
80°-90°	135.4	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°	1517.1	26.5
0°-40°	2481.0	43.3
0°-60°	4413.3	77.1
0°-90°	5724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1961	1961	1961	1961	1961	
5°	1947	1950	1958	1955	1953	185
15°	1867	1874	1886	1894	1889	527
25°	1708	1719	1738	1757	1751	787
35°	1495	1514	1543	1571	1570	935
45°	1245	1272	1308	1345	1351	961
55°	966	993	1038	1083	1093	861
65°	653	687	739	789	810	646
75°	332	371	424	475	506	353
85°	61	90	128	143	160	78
90°	0	0	0	0	0	

TEST NUMBER: P1587797

CATALOG NUMBER: 22CZSP-SB-57HE-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1961.4	1961.4	1961.4	1961.4	1961.4
2.5°	1954.1	1959.0	1965.0	1955.3	1950.5
5°	1946.8	1950.5	1957.8	1955.3	1952.9
7.5°	1933.5	1935.9	1945.6	1945.6	1943.2
10°	1917.8	1922.6	1931.1	1929.9	1923.8
12.5°	1897.2	1900.8	1910.5	1910.5	1906.9
15°	1866.9	1874.2	1886.3	1893.5	1888.7
17.5°	1835.4	1842.7	1858.4	1865.7	1863.3
20°	1800.3	1806.3	1822.1	1833.0	1828.1
22.5°	1756.6	1763.9	1782.1	1794.2	1789.4
25°	1708.2	1719.1	1738.5	1756.6	1750.6
27.5°	1659.7	1671.8	1696.1	1714.2	1711.8
30°	1606.4	1622.2	1647.6	1670.6	1665.8
32.5°	1551.9	1570.1	1596.7	1621.0	1619.7
35°	1495.0	1514.3	1543.4	1571.3	1570.1
37.5°	1434.4	1457.4	1487.7	1518.0	1519.2
40°	1375.0	1396.8	1430.8	1463.5	1464.7
42.5°	1312.0	1335.1	1371.4	1405.3	1406.5
45°	1245.4	1272.1	1308.4	1344.7	1350.8
47.5°	1177.6	1205.4	1243.0	1281.7	1289.0
50°	1107.3	1136.4	1176.3	1217.5	1224.8
52.5°	1035.8	1066.1	1107.3	1148.5	1159.4
55°	965.5	993.4	1038.2	1083.1	1092.8
57.5°	891.6	917.1	965.5	1012.8	1024.9
60°	810.5	842.0	891.6	938.9	958.3
62.5°	731.7	765.7	816.5	863.8	885.6
65°	653.0	686.9	739.0	788.7	810.5
67.5°	573.0	608.2	663.9	711.1	735.4
70°	493.1	528.2	581.5	632.4	657.8
72.5°	413.1	450.7	502.8	554.9	580.3
75°	331.9	370.7	424.0	474.9	506.4
77.5°	255.6	293.2	346.5	398.6	425.2
80°	182.9	220.5	272.6	324.7	352.5
82.5°	116.3	151.4	202.3	245.9	271.4
85°	60.6	89.6	128.4	143.0	159.9
87.5°	18.2	35.1	49.7	55.7	69.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1587797

CATALOG NUMBER: 22CZSP-SB-57HE-L840

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	17.82	19.48	18.18	19.80	20.11	18.57	20.23	18.93	20.54	20.86
	3H	19.58	21.09	19.96	21.42	21.78	20.66	22.17	21.04	22.50	22.85
	4H	20.21	21.63	20.60	21.98	22.35	21.55	22.97	21.94	23.32	23.69
	6H	20.62	21.94	21.03	22.30	22.69	22.31	23.63	22.72	24.00	24.39
	8H	20.73	21.99	21.15	22.38	22.77	22.62	23.89	23.05	24.28	24.67
	12H	20.78	21.99	21.21	22.37	22.80	22.84	24.05	23.27	24.43	24.86
4H	2H	18.59	20.01	18.99	20.36	20.73	19.17	20.59	19.57	20.94	21.31
	3H	20.58	21.78	20.99	22.18	22.58	21.50	22.70	21.91	23.09	23.49
	4H	21.34	22.42	21.77	22.84	23.27	22.53	23.62	22.96	24.03	24.47
	6H	21.87	22.83	22.33	23.27	23.72	23.46	24.42	23.92	24.86	25.31
	8H	22.02	22.91	22.48	23.35	23.82	23.85	24.74	24.31	25.18	25.64
	12H	22.11	22.91	22.59	23.38	23.85	24.12	24.93	24.60	25.40	25.87
8H	4H	21.79	22.68	22.25	23.12	23.59	22.83	23.72	23.29	24.17	24.63
	6H	22.47	23.21	22.96	23.70	24.17	23.92	24.66	24.41	25.15	25.62
	8H	22.69	23.36	23.19	23.86	24.35	24.40	25.07	24.91	25.58	26.06
	12H	22.83	23.43	23.34	23.92	24.48	24.78	25.37	25.28	25.86	26.42
12H	4H	21.87	22.68	22.35	23.15	23.62	22.86	23.66	23.34	24.14	24.61
	6H	22.59	23.26	23.10	23.77	24.25	23.97	24.64	24.48	25.14	25.63
	8H	22.89	23.48	23.39	23.97	24.53	24.52	25.12	25.03	25.60	26.16