

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: P1585833

Luminaire Tested: 14CZSP-SB-65-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585833
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-65-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

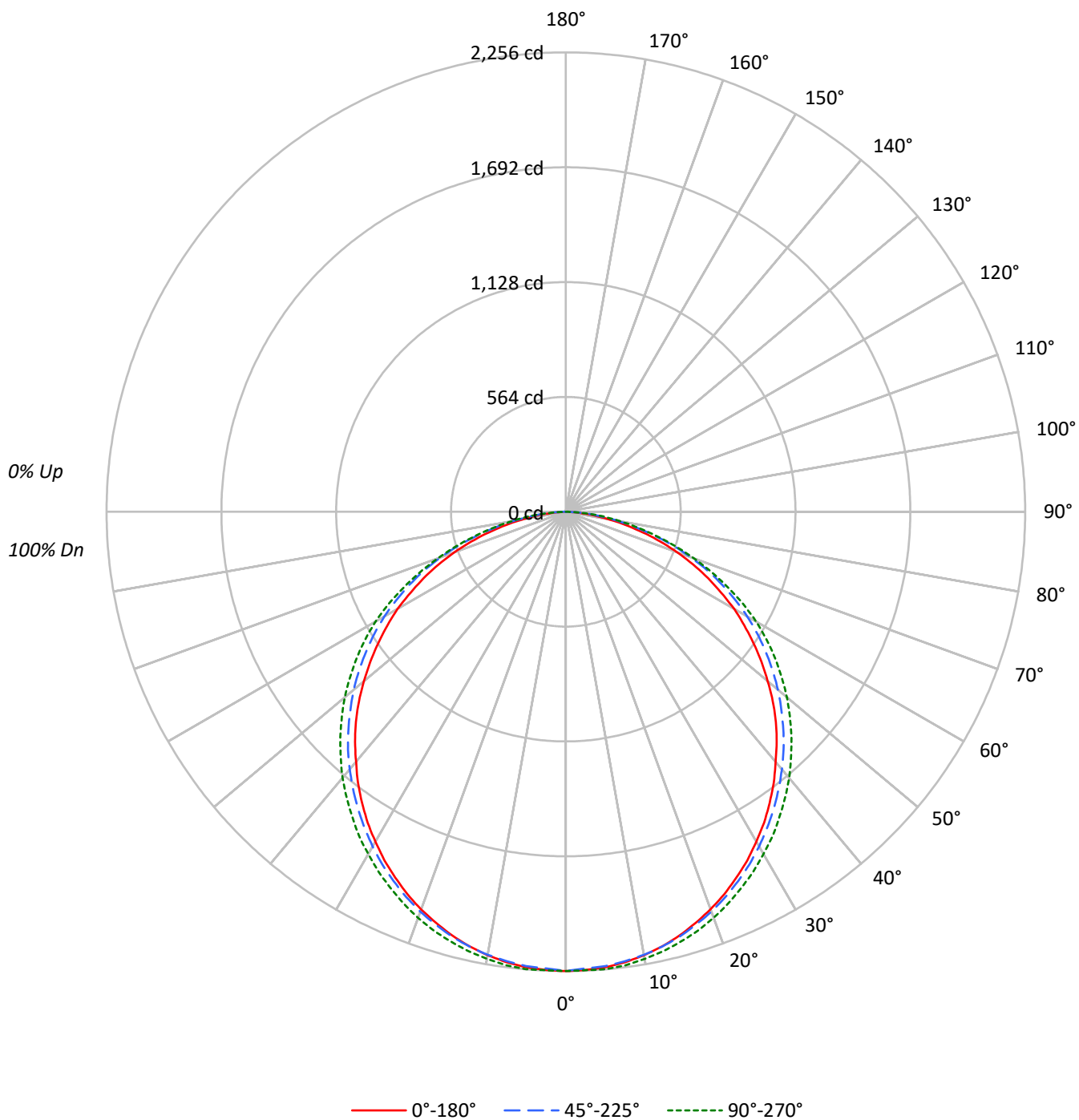
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6516.0 lumens
Efficiency: N/A
Efficacy: 133.5 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): 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
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°	7600	7600	7600
5°	7594	7575	7626
10°	7566	7560	7627
15°	7518	7534	7623
20°	7452	7495	7610
25°	7370	7440	7579
30°	7278	7384	7552
35°	7178	7324	7525
40°	7052	7262	7506
45°	6951	7197	7465
50°	6785	7129	7430
55°	6611	7036	7372
60°	6433	6933	7274
65°	6144	6750	6997
70°	5733	6445	6603
75°	5107	5842	6012
80°	4170	5063	5319
85°	2757	4029	4318

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7465 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	3.3
10°-20°	611.9	9.4
20°-30°	926.4	14.2
30°-40°	1118.3	17.2
40°-50°	1167.8	17.9
50°-60°	1068.3	16.4
60°-70°	825.9	12.7
70°-80°	467.6	7.2
80°-90°	116.1	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°	1752.0	26.9
0°-40°	2870.2	44.0
0°-60°	5106.4	78.4
0°-90°	6516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2256	2256	2256	2256	2256	
5°	2245	2261	2240	2241	2254	213
15°	2155	2174	2160	2170	2185	608
25°	1982	2008	2001	2020	2039	914
35°	1745	1769	1780	1811	1829	1091
45°	1459	1487	1510	1549	1566	1123
55°	1125	1159	1198	1235	1255	1006
65°	771	802	847	872	878	761
75°	392	426	449	460	462	416
85°	71	83	104	109	112	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2255.5	2255.5	2255.5	2255.5	2255.5
2.5°	2252.6	2268.6	2244.2	2248.9	2253.6
5°	2245.1	2261.1	2239.5	2241.4	2254.5
7.5°	2231.1	2248.9	2226.4	2230.1	2246.1
10°	2211.3	2229.2	2209.5	2213.2	2229.2
12.5°	2186.0	2203.8	2186.9	2192.6	2210.4
15°	2155.0	2173.8	2159.7	2170.1	2185.1
17.5°	2117.5	2141.0	2125.9	2141.9	2156.9
20°	2078.1	2101.5	2090.3	2104.3	2122.2
22.5°	2033.0	2056.5	2048.0	2063.0	2082.8
25°	1982.3	2007.7	2001.1	2019.9	2038.6
27.5°	1929.8	1954.2	1952.3	1972.9	1992.7
30°	1870.6	1896.9	1897.9	1922.3	1941.0
32.5°	1811.5	1835.0	1840.6	1867.8	1889.4
35°	1744.9	1769.3	1780.5	1810.6	1829.3
37.5°	1677.3	1704.5	1716.7	1749.6	1769.3
40°	1603.1	1634.1	1651.0	1685.7	1706.4
42.5°	1532.7	1560.9	1583.4	1618.2	1636.9
45°	1458.6	1486.7	1510.2	1548.7	1566.5
47.5°	1378.8	1409.8	1435.1	1472.7	1492.4
50°	1294.3	1328.1	1360.0	1396.6	1417.3
52.5°	1210.8	1243.6	1280.3	1315.9	1336.6
55°	1125.4	1159.2	1197.7	1235.2	1254.9
57.5°	1039.0	1072.8	1115.1	1148.9	1169.5
60°	954.6	985.5	1028.7	1062.5	1079.4
62.5°	858.8	894.5	938.6	972.4	981.8
65°	770.6	802.5	846.6	872.0	877.6
67.5°	676.7	708.6	752.8	766.8	775.3
70°	581.9	615.7	654.2	663.6	670.2
72.5°	486.2	520.9	551.0	560.3	566.0
75°	392.3	426.1	448.7	459.9	461.8
77.5°	301.3	332.3	352.9	366.1	366.1
80°	214.9	238.4	260.9	275.0	274.1
82.5°	137.0	154.9	178.3	188.7	195.2
85°	71.3	82.6	104.2	108.9	111.7
87.5°	22.5	29.1	37.5	31.0	30.0
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	18.73	20.38	19.09	20.69	21.01	19.27	20.92	19.63	21.23	21.55
	3H	20.50	21.99	20.88	22.32	22.68	21.13	22.62	21.50	22.95	23.31
	4H	21.12	22.53	21.52	22.88	23.25	21.80	23.21	22.20	23.56	23.93
	6H	21.53	22.83	21.94	23.20	23.59	22.29	23.59	22.70	23.95	24.35
	8H	21.63	22.88	22.05	23.26	23.66	22.44	23.69	22.87	24.08	24.48
	12H	21.68	22.87	22.11	23.25	23.68	22.54	23.73	22.97	24.12	24.54
4H	2H	19.47	20.87	19.86	21.22	21.60	19.89	21.30	20.28	21.64	22.02
	3H	21.46	22.64	21.87	23.04	23.44	21.97	23.15	22.37	23.54	23.94
	4H	22.21	23.28	22.64	23.69	24.12	22.77	23.84	23.20	24.25	24.68
	6H	22.73	23.66	23.18	24.10	24.56	23.38	24.32	23.83	24.76	25.21
	8H	22.86	23.74	23.32	24.18	24.64	23.58	24.46	24.04	24.90	25.37
	12H	22.94	23.72	23.42	24.20	24.67	23.72	24.51	24.20	24.99	25.45
8H	4H	22.56	23.44	23.02	23.88	24.34	23.06	23.93	23.52	24.37	24.84
	6H	23.19	23.92	23.69	24.41	24.88	23.79	24.52	24.28	25.00	25.48
	8H	23.39	24.04	23.90	24.55	25.03	24.06	24.71	24.57	25.22	25.71
	12H	23.51	24.09	24.02	24.58	25.14	24.27	24.85	24.77	25.34	25.89
12H	4H	22.60	23.39	23.08	23.86	24.33	23.08	23.87	23.56	24.34	24.81
	6H	23.26	23.91	23.77	24.42	24.90	23.83	24.48	24.34	24.99	25.48
	8H	23.51	24.08	24.01	24.57	25.13	24.16	24.73	24.66	25.22	25.78