

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: P1584735

Luminaire Tested: 14CZSP-A-65-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-65-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

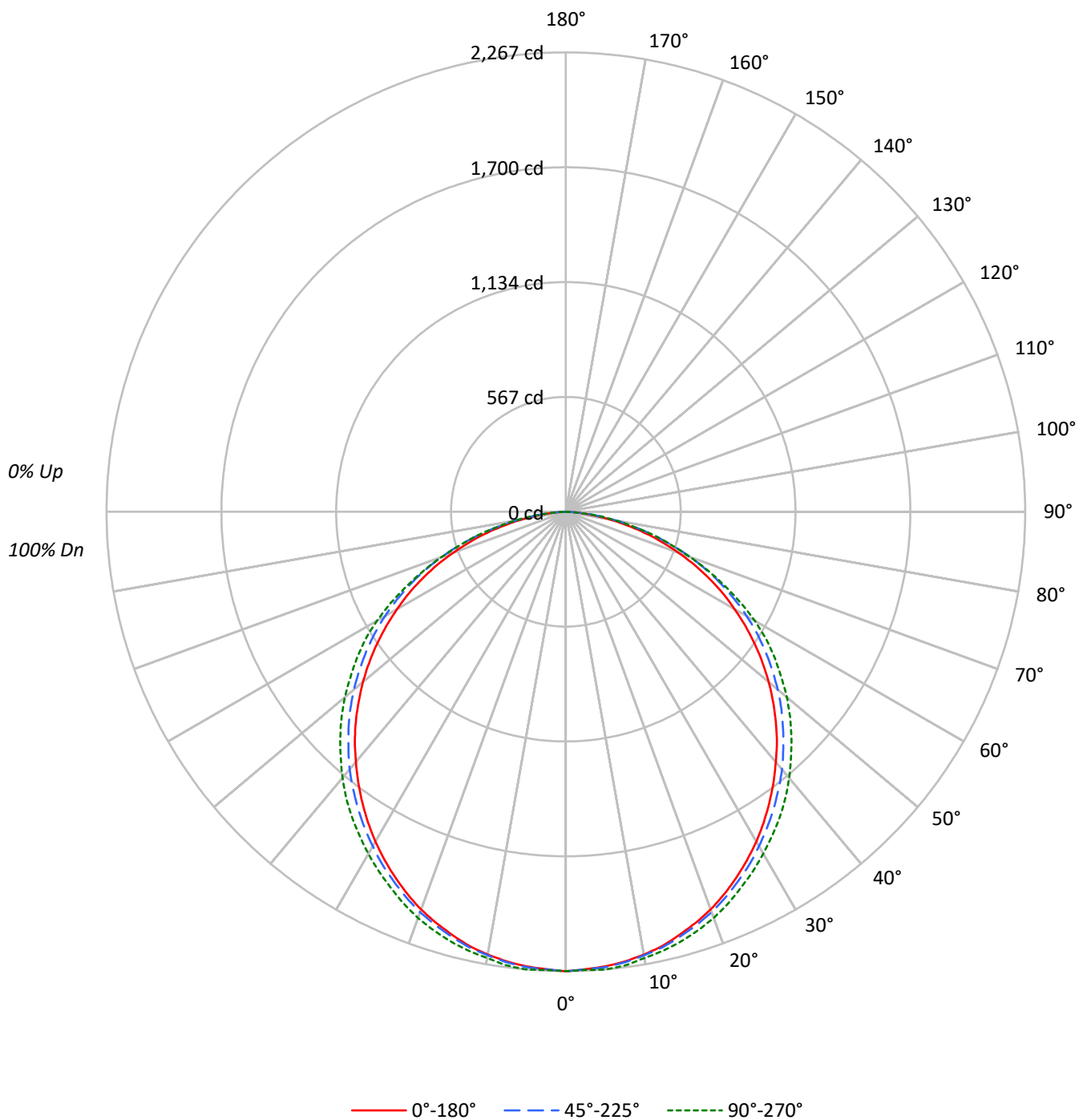
Lumens per Lamp: N/A
Luminaire Lumens: 6542.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	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	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	29		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°	7640	7640	7640
5°	7616	7629	7669
10°	7592	7605	7651
15°	7544	7578	7659
20°	7490	7539	7650
25°	7405	7477	7607
30°	7312	7418	7584
35°	7204	7356	7571
40°	7089	7303	7542
45°	6987	7228	7505
50°	6853	7158	7463
55°	6688	7064	7394
60°	6483	6953	7254
65°	6232	6758	6897
70°	5847	6421	6421
75°	5252	5833	5859
80°	4327	4931	4931
85°	3000	3599	3151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7505 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	3.3
10°-20°	615.1	9.4
20°-30°	930.9	14.2
30°-40°	1123.8	17.2
40°-50°	1174.1	17.9
50°-60°	1075.6	16.4
60°-70°	829.2	12.7
70°-80°	467.8	7.2
80°-90°	110.7	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°	1760.7	26.9
0°-40°	2884.5	44.1
0°-60°	5134.2	78.5
0°-90°	6542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2267	2267	2267	2267	2267	
5°	2252	2267	2256	2260	2267	214
15°	2162	2176	2172	2190	2196	610
25°	1992	2009	2011	2038	2046	918
35°	1751	1775	1788	1827	1841	1096
45°	1466	1492	1517	1561	1575	1130
55°	1138	1168	1202	1247	1259	1017
65°	782	807	848	877	865	773
75°	403	434	448	460	450	428
85°	78	87	93	99	82	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2267.2	2267.2	2267.2	2267.2	2267.2
2.5°	2259.5	2275.0	2259.5	2267.2	2263.4
5°	2251.7	2267.2	2255.6	2259.5	2267.2
7.5°	2238.2	2253.7	2242.0	2247.9	2257.5
10°	2218.8	2234.3	2222.6	2232.3	2236.2
12.5°	2195.5	2209.1	2201.3	2212.9	2218.8
15°	2162.5	2176.1	2172.2	2189.7	2195.5
17.5°	2127.6	2143.1	2139.2	2160.6	2166.4
20°	2088.8	2102.4	2102.4	2121.8	2133.4
22.5°	2042.3	2057.8	2059.7	2081.1	2092.7
25°	1991.8	2009.3	2011.2	2038.4	2046.1
27.5°	1937.5	1955.0	1962.7	1991.8	1999.6
30°	1879.4	1896.8	1906.5	1939.5	1949.2
32.5°	1817.3	1838.6	1848.3	1885.2	1894.9
35°	1751.3	1774.6	1788.2	1827.0	1840.6
37.5°	1683.5	1706.7	1724.2	1764.9	1780.4
40°	1611.7	1636.9	1660.2	1700.9	1714.5
42.5°	1541.9	1567.1	1588.4	1631.1	1644.7
45°	1466.2	1491.5	1516.7	1561.3	1574.9
47.5°	1386.7	1413.9	1443.0	1483.7	1501.2
50°	1307.2	1334.4	1365.4	1408.1	1423.6
52.5°	1223.8	1252.9	1283.9	1328.5	1340.2
55°	1138.5	1167.6	1202.5	1247.1	1258.7
57.5°	1051.2	1082.2	1119.1	1161.7	1173.4
60°	962.0	993.0	1031.8	1072.5	1076.4
62.5°	874.7	901.9	940.6	979.4	973.6
65°	781.6	806.8	847.6	876.6	865.0
67.5°	688.5	715.7	752.5	773.9	758.3
70°	593.5	622.6	651.7	667.2	651.7
72.5°	498.4	529.5	550.8	560.5	546.9
75°	403.4	434.4	448.0	459.7	450.0
77.5°	312.3	341.3	347.2	360.7	347.2
80°	223.0	250.2	254.1	267.6	254.1
82.5°	143.5	161.0	168.7	180.4	166.8
85°	77.6	87.3	93.1	98.9	81.5
87.5°	27.2	31.0	27.2	23.3	9.7
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	18.78	20.43	19.14	20.74	21.05	19.32	20.97	19.69	21.28	21.60
	3H	20.56	22.06	20.94	22.38	22.74	21.13	22.62	21.50	22.95	23.31
	4H	21.20	22.61	21.60	22.96	23.33	21.77	23.18	22.17	23.53	23.90
	6H	21.63	22.93	22.04	23.30	23.69	22.21	23.52	22.62	23.88	24.27
	8H	21.74	22.98	22.16	23.37	23.77	22.34	23.58	22.76	23.97	24.37
	12H	21.79	22.99	22.22	23.37	23.80	22.39	23.59	22.82	23.97	24.40
4H	2H	19.50	20.91	19.90	21.26	21.63	19.93	21.34	20.33	21.68	22.06
	3H	21.51	22.69	21.92	23.09	23.49	21.97	23.15	22.37	23.54	23.94
	4H	22.28	23.35	22.71	23.76	24.19	22.75	23.81	23.18	24.23	24.66
	6H	22.82	23.76	23.28	24.20	24.65	23.31	24.25	23.77	24.69	25.14
	8H	22.97	23.84	23.43	24.28	24.75	23.48	24.35	23.94	24.79	25.26
	12H	23.05	23.84	23.53	24.31	24.78	23.57	24.36	24.05	24.83	25.30
8H	4H	22.62	23.49	23.08	23.94	24.40	23.03	23.91	23.49	24.35	24.81
	6H	23.28	24.01	23.77	24.49	24.97	23.72	24.44	24.21	24.93	25.40
	8H	23.49	24.14	23.99	24.64	25.13	23.95	24.60	24.46	25.10	25.59
	12H	23.62	24.20	24.13	24.69	25.25	24.10	24.67	24.61	25.16	25.72
12H	4H	22.66	23.44	23.14	23.92	24.39	23.06	23.84	23.54	24.32	24.79
	6H	23.34	23.99	23.84	24.49	24.98	23.76	24.41	24.26	24.91	25.40
	8H	23.59	24.17	24.10	24.66	25.22	24.04	24.62	24.55	25.11	25.67