

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: P1584295

Luminaire Tested: 14CZSP-43HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2602-698-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-43HE-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 80CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

Summary

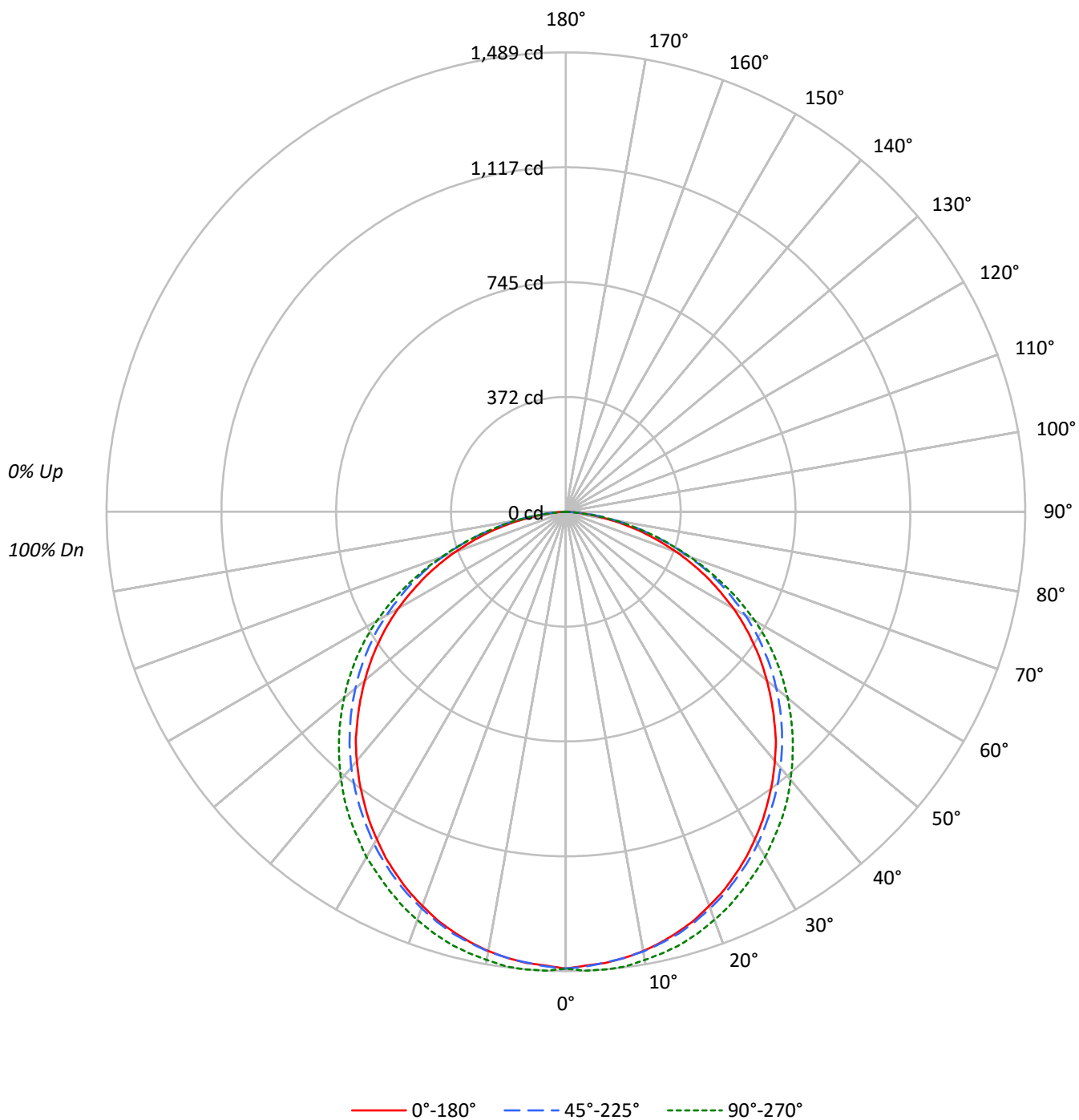
Lumens per Lamp: N/A
Luminaire Lumens: 4265.0 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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: P1584295

CATALOG NUMBER: 14CZSP-43HE-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1584295

CATALOG NUMBER: 14CZSP-43HE-L835

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	88	90	88	86	86	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	50
5	76	63	54	47	73	61	53	47	59	52	46	57	51	46	55	50	45	45	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	40	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4989	4989	4989
5°	4966	4961	5036
10°	4947	4952	5047
15°	4917	4936	5058
20°	4874	4904	5049
25°	4826	4872	5033
30°	4768	4839	5029
35°	4703	4795	5012
40°	4636	4759	4986
45°	4551	4717	4956
50°	4458	4670	4919
55°	4357	4611	4873
60°	4228	4529	4773
65°	4035	4413	4557
70°	3763	4161	4230
75°	3358	3757	3794
80°	2732	3165	3138
85°	1778	2211	1724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4956 cd/sqm

TEST NUMBER: P1584295

CATALOG NUMBER: 14CZSP-43HE-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.3
10°-20°	401.8	9.4
20°-30°	608.6	14.3
30°-40°	735.2	17.2
40°-50°	768.0	18.0
50°-60°	703.3	16.5
60°-70°	540.4	12.7
70°-80°	300.9	7.1
80°-90°	66.6	1.6
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°	1150.7	27.0
0°-40°	1885.9	44.2
0°-60°	3357.1	78.7
0°-90°	4265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1481	1481	1481	1481	1481	
5°	1468	1483	1467	1475	1489	139
15°	1410	1424	1415	1429	1450	398
25°	1298	1313	1310	1330	1354	598
35°	1143	1160	1166	1193	1218	716
45°	955	976	990	1019	1040	737
55°	742	765	785	813	830	663
65°	506	533	554	565	572	500
75°	258	284	289	289	291	273
85°	46	54	57	47	45	60
90°	0	0	0	0	0	

TEST NUMBER: P1584295

CATALOG NUMBER: 14CZSP-43HE-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1480.6	1480.6	1480.6	1480.6	1480.6
2.5°	1472.3	1486.2	1475.1	1479.2	1489.0
5°	1468.1	1483.4	1466.7	1475.1	1489.0
7.5°	1458.3	1472.3	1458.3	1468.1	1486.2
10°	1445.8	1461.1	1447.2	1456.9	1475.1
12.5°	1429.1	1441.6	1431.8	1445.8	1463.9
15°	1409.5	1423.5	1415.1	1429.1	1450.0
17.5°	1387.2	1399.8	1392.8	1410.9	1430.4
20°	1359.3	1373.3	1367.7	1385.8	1408.1
22.5°	1331.5	1345.4	1341.2	1359.3	1383.0
25°	1298.0	1313.3	1310.5	1330.1	1353.8
27.5°	1264.5	1279.9	1278.5	1300.8	1323.1
30°	1225.5	1240.8	1243.6	1267.3	1292.4
32.5°	1186.5	1203.2	1204.6	1231.1	1254.8
35°	1143.2	1160.0	1165.6	1193.4	1218.5
37.5°	1100.0	1116.8	1125.1	1151.6	1178.1
40°	1054.0	1072.1	1081.9	1109.8	1133.5
42.5°	1008.0	1026.1	1037.3	1065.2	1087.5
45°	955.0	975.9	989.9	1019.2	1040.1
47.5°	903.4	925.7	941.1	969.0	989.9
50°	850.5	874.2	890.9	918.8	938.3
52.5°	797.5	822.6	839.3	865.8	885.3
55°	741.7	765.4	784.9	812.8	829.5
57.5°	685.9	709.6	730.6	755.7	771.0
60°	627.4	652.5	672.0	697.1	708.3
62.5°	566.0	592.5	612.1	631.6	641.3
65°	506.1	532.6	553.5	564.7	571.6
67.5°	444.7	471.2	490.8	496.3	500.5
70°	382.0	408.5	422.4	425.2	429.4
72.5°	319.3	345.8	356.9	356.9	358.3
75°	257.9	284.4	288.6	288.6	291.4
77.5°	198.0	221.7	224.5	224.5	224.5
80°	140.8	158.9	163.1	163.1	161.7
82.5°	89.2	101.8	108.7	103.2	100.4
85°	46.0	54.4	57.2	47.4	44.6
87.5°	13.9	16.7	13.9	8.4	7.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584295

CATALOG NUMBER: 14CZSP-43HE-L835

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	17.33	18.98	17.69	19.29	19.60	17.83	19.48	18.20	19.80	20.11
	3H	19.10	20.59	19.48	20.92	21.28	19.63	21.12	20.01	21.45	21.81
	4H	19.72	21.13	20.12	21.47	21.85	20.26	21.67	20.66	22.01	22.39
	6H	20.13	21.43	20.54	21.79	22.18	20.68	21.99	21.10	22.35	22.74
	8H	20.22	21.47	20.65	21.86	22.25	20.79	22.03	21.21	22.42	22.82
	12H	20.27	21.46	20.70	21.84	22.27	20.83	22.02	21.26	22.40	22.83
4H	2H	18.05	19.45	18.45	19.80	20.18	18.45	19.85	18.84	20.20	20.57
	3H	20.04	21.22	20.45	21.62	22.02	20.46	21.64	20.87	22.03	22.43
	4H	20.80	21.86	21.23	22.28	22.71	21.21	22.27	21.64	22.69	23.12
	6H	21.32	22.25	21.77	22.69	23.15	21.75	22.68	22.20	23.12	23.57
	8H	21.45	22.32	21.91	22.77	23.23	21.89	22.76	22.35	23.20	23.67
	12H	21.53	22.31	22.01	22.78	23.25	21.96	22.74	22.43	23.21	23.68
8H	4H	21.13	22.00	21.59	22.44	22.91	21.50	22.37	21.95	22.81	23.27
	6H	21.77	22.49	22.26	22.98	23.45	22.14	22.86	22.63	23.35	23.82
	8H	21.96	22.61	22.47	23.11	23.60	22.33	22.98	22.84	23.48	23.97
	12H	22.08	22.65	22.59	23.14	23.70	22.44	23.01	22.94	23.50	24.06
12H	4H	21.16	21.95	21.64	22.42	22.89	21.52	22.30	22.00	22.78	23.25
	6H	21.82	22.46	22.32	22.97	23.46	22.18	22.82	22.68	23.33	23.82
	8H	22.06	22.63	22.57	23.12	23.68	22.42	22.99	22.93	23.48	24.04