

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: P1584307

Luminaire Tested: 14CZSP-43HE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584307
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 4000 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

Summary

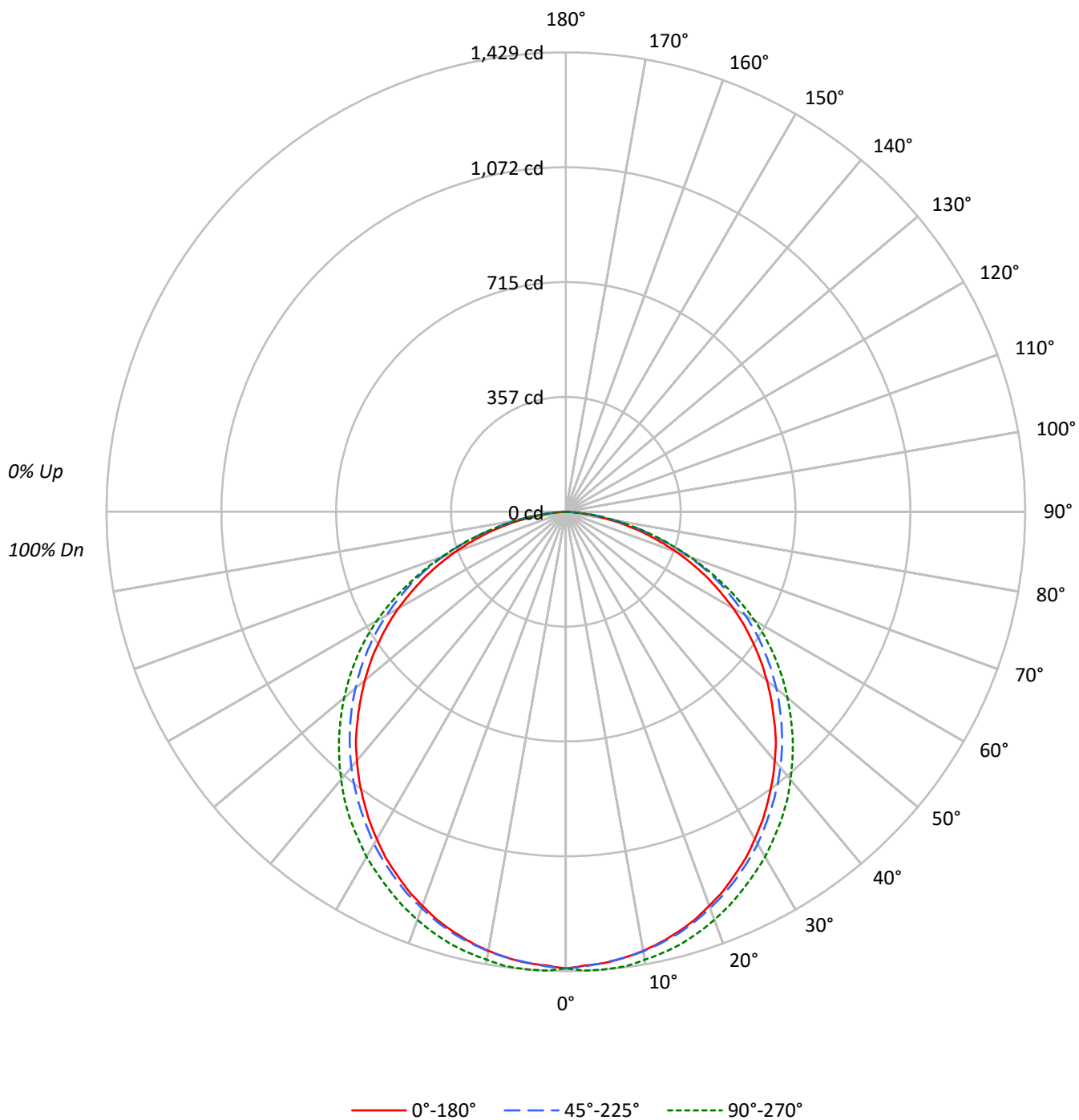
Lumens per Lamp: N/A
Luminaire Lumens: 4092.0 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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		94	91	88		90
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62
5	76	63	54	47	73	61	53	47	59	52	46		57	51	46		55
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46
8	60	47	38	32	59	46	38	32	44	37	32		43	36	32		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°	4787	4787	4787
5°	4764	4760	4832
10°	4746	4751	4842
15°	4718	4736	4853
20°	4677	4705	4844
25°	4630	4675	4829
30°	4575	4643	4825
35°	4512	4600	4809
40°	4448	4566	4784
45°	4366	4526	4755
50°	4278	4481	4719
55°	4180	4424	4676
60°	4056	4345	4579
65°	3872	4234	4372
70°	3611	3993	4059
75°	3222	3605	3640
80°	2622	3037	3012
85°	1705	2119	1655

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	3.3
10°-20°	385.5	9.4
20°-30°	583.9	14.3
30°-40°	705.4	17.2
40°-50°	736.8	18.0
50°-60°	674.7	16.5
60°-70°	518.4	12.7
70°-80°	288.7	7.1
80°-90°	63.9	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°	1104.0	27.0
0°-40°	1809.4	44.2
0°-60°	3221.0	78.7
0°-90°	4092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1421	1421	1421	1421	1421	
5°	1408	1423	1407	1415	1429	134
15°	1352	1366	1358	1371	1391	382
25°	1245	1260	1257	1276	1299	574
35°	1097	1113	1118	1145	1169	687
45°	916	936	950	978	998	707
55°	712	734	753	780	796	636
65°	486	511	531	542	548	480
75°	248	273	277	277	280	262
85°	44	52	55	46	43	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1420.6	1420.6	1420.6	1420.6	1420.6
2.5°	1412.6	1425.9	1415.2	1419.2	1428.6
5°	1408.5	1423.3	1407.2	1415.2	1428.6
7.5°	1399.2	1412.6	1399.2	1408.5	1425.9
10°	1387.1	1401.9	1388.5	1397.8	1415.2
12.5°	1371.1	1383.1	1373.8	1387.1	1404.5
15°	1352.4	1365.7	1357.7	1371.1	1391.2
17.5°	1331.0	1343.0	1336.3	1353.7	1372.4
20°	1304.2	1317.6	1312.2	1329.6	1351.0
22.5°	1277.5	1290.8	1286.8	1304.2	1326.9
25°	1245.3	1260.1	1257.4	1276.1	1298.9
27.5°	1213.2	1228.0	1226.6	1248.0	1269.4
30°	1175.8	1190.5	1193.2	1215.9	1240.0
32.5°	1138.3	1154.4	1155.7	1181.1	1203.9
35°	1096.9	1112.9	1118.3	1145.0	1169.1
37.5°	1055.4	1071.5	1079.5	1104.9	1130.3
40°	1011.3	1028.7	1038.0	1064.8	1087.5
42.5°	967.1	984.5	995.2	1022.0	1043.4
45°	916.3	936.4	949.7	977.8	997.9
47.5°	866.8	888.2	902.9	929.7	949.7
50°	816.0	838.7	854.8	881.5	900.2
52.5°	765.1	789.2	805.3	830.7	849.4
55°	711.6	734.4	753.1	779.8	795.9
57.5°	658.1	680.9	700.9	725.0	739.7
60°	601.9	626.0	644.7	668.8	679.5
62.5°	543.1	568.5	587.2	606.0	615.3
65°	485.6	511.0	531.0	541.7	548.4
67.5°	426.7	452.1	470.9	476.2	480.2
70°	366.5	391.9	405.3	408.0	412.0
72.5°	306.3	331.7	342.4	342.4	343.8
75°	247.5	272.9	276.9	276.9	279.6
77.5°	189.9	212.7	215.4	215.4	215.4
80°	135.1	152.5	156.5	156.5	155.2
82.5°	85.6	97.6	104.3	99.0	96.3
85°	44.1	52.2	54.8	45.5	42.8
87.5°	13.4	16.1	13.4	8.0	6.7
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	17.18	18.83	17.55	19.15	19.46	17.69	19.34	18.06	19.65	19.97
	3H	18.96	20.45	19.33	20.77	21.13	19.49	20.98	19.86	21.30	21.66
	4H	19.58	20.98	19.98	21.33	21.71	20.12	21.52	20.52	21.87	22.25
	6H	19.98	21.28	20.39	21.65	22.04	20.54	21.84	20.95	22.21	22.60
	8H	20.08	21.32	20.50	21.71	22.11	20.65	21.89	21.07	22.28	22.68
	12H	20.13	21.32	20.56	21.70	22.13	20.69	21.88	21.11	22.26	22.69
4H	2H	17.91	19.31	18.30	19.66	20.03	18.30	19.71	18.70	20.05	20.43
	3H	19.90	21.08	20.31	21.47	21.87	20.31	21.49	20.72	21.89	22.29
	4H	20.66	21.72	21.09	22.13	22.57	21.07	22.13	21.50	22.54	22.98
	6H	21.18	22.11	21.63	22.55	23.00	21.60	22.53	22.06	22.97	23.43
	8H	21.31	22.18	21.77	22.62	23.09	21.75	22.62	22.21	23.06	23.52
	12H	21.38	22.17	21.86	22.64	23.11	21.81	22.59	22.29	23.07	23.54
8H	4H	20.99	21.86	21.45	22.30	22.77	21.35	22.22	21.81	22.66	23.13
	6H	21.62	22.34	22.12	22.83	23.31	21.99	22.72	22.49	23.20	23.68
	8H	21.81	22.46	22.32	22.97	23.45	22.19	22.83	22.70	23.34	23.83
	12H	21.94	22.51	22.44	23.00	23.56	22.29	22.87	22.80	23.36	23.92
12H	4H	21.02	21.80	21.50	22.28	22.75	21.38	22.16	21.86	22.63	23.10
	6H	21.67	22.32	22.18	22.83	23.31	22.03	22.68	22.54	23.19	23.67
	8H	21.92	22.49	22.42	22.98	23.54	22.28	22.85	22.78	23.34	23.90