

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: P1584264

Luminaire Tested: 14CZSP-37HE-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-37HE-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

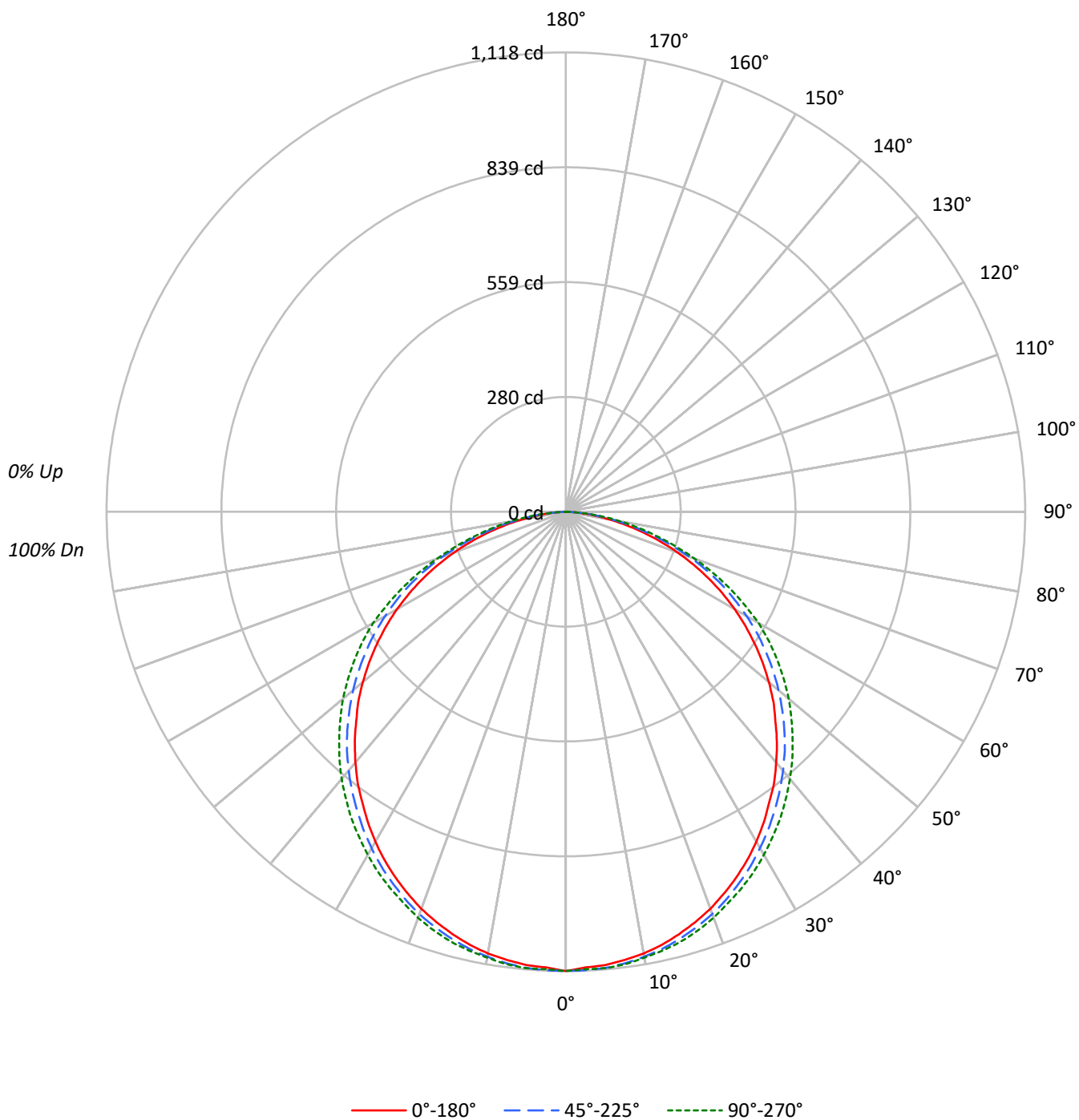
Lumens per Lamp: N/A
Luminaire Lumens: 3231.0 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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			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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3766	3766	3766
5°	3745	3769	3772
10°	3734	3762	3770
15°	3713	3751	3778
20°	3687	3736	3770
25°	3650	3708	3759
30°	3608	3678	3751
35°	3551	3647	3745
40°	3504	3617	3734
45°	3438	3585	3719
50°	3381	3543	3712
55°	3300	3492	3688
60°	3198	3423	3651
65°	3056	3330	3500
70°	2849	3144	3285
75°	2545	2836	2997
80°	2086	2391	2622
85°	1396	1748	1949

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.3
10°-20°	303.4	9.4
20°-30°	459.5	14.2
30°-40°	554.9	17.2
40°-50°	579.9	17.9
50°-60°	531.4	16.4
60°-70°	410.2	12.7
70°-80°	230.7	7.1
80°-90°	55.2	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°	868.8	26.9
0°-40°	1423.7	44.1
0°-60°	2534.9	78.5
0°-90°	3231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3231.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1107	1115	1114	1115	1115	105
15°	1064	1073	1075	1080	1083	300
25°	982	990	997	1002	1011	452
35°	863	874	886	898	910	541
45°	722	736	752	768	780	558
55°	562	576	594	613	628	502
65°	383	400	418	434	439	379
75°	196	214	218	227	230	207
85°	36	41	45	50	50	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.6	1117.6	1117.6	1117.6	1117.6
2.5°	1110.0	1118.6	1116.7	1119.5	1114.3
5°	1107.1	1115.2	1114.3	1115.2	1115.2
7.5°	1100.0	1108.6	1108.1	1109.5	1110.5
10°	1091.4	1099.5	1099.5	1101.0	1101.9
12.5°	1079.6	1088.1	1089.1	1091.4	1093.4
15°	1064.3	1072.9	1075.3	1079.6	1082.9
17.5°	1047.2	1056.3	1060.1	1064.3	1068.6
20°	1028.2	1036.3	1042.0	1045.3	1051.5
22.5°	1005.8	1014.9	1021.1	1024.4	1031.1
25°	981.6	990.2	997.3	1002.5	1011.1
27.5°	955.9	964.5	973.0	979.2	989.2
30°	927.4	936.4	945.4	955.0	964.0
32.5°	896.5	906.9	916.9	927.4	937.4
35°	863.2	874.1	886.5	898.4	910.3
37.5°	832.3	842.2	855.1	867.9	879.8
40°	796.6	807.5	822.3	836.5	848.9
42.5°	760.4	772.3	788.5	802.3	815.6
45°	721.5	735.7	752.4	767.6	780.4
47.5°	685.3	697.7	714.3	731.0	744.3
50°	644.9	658.7	675.8	693.4	708.1
52.5°	604.0	618.2	635.8	653.4	668.7
55°	561.7	576.4	594.5	613.0	627.8
57.5°	518.4	534.1	552.6	571.2	585.9
60°	474.6	490.3	507.9	528.4	541.7
62.5°	429.0	446.6	463.2	482.2	490.3
65°	383.3	400.0	417.6	434.2	439.0
67.5°	336.7	353.8	369.5	380.5	386.6
70°	289.2	307.7	319.1	329.6	333.4
72.5°	242.1	260.6	267.3	277.3	281.1
75°	195.5	213.5	217.8	226.9	230.2
77.5°	150.3	166.9	168.4	178.8	181.7
80°	107.5	120.8	123.2	133.2	135.1
82.5°	69.0	78.5	81.8	90.4	93.2
85°	36.1	41.4	45.2	49.5	50.4
87.5°	11.9	14.7	12.4	12.8	11.9
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	16.32	17.97	16.68	18.28	18.60	16.86	18.51	17.22	18.82	19.14
	3H	18.10	19.59	18.47	19.91	20.27	18.72	20.21	19.09	20.54	20.90
	4H	18.72	20.13	19.12	20.48	20.85	19.39	20.79	19.78	21.14	21.51
	6H	19.13	20.44	19.54	20.80	21.19	19.86	21.17	20.27	21.53	21.92
	8H	19.23	20.48	19.66	20.87	21.27	20.01	21.25	20.43	21.64	22.04
	12H	19.28	20.48	19.71	20.86	21.29	20.09	21.29	20.52	21.67	22.10
4H	2H	17.04	18.45	17.44	18.80	19.17	17.47	18.87	17.86	19.22	19.60
	3H	19.04	20.22	19.45	20.62	21.02	19.54	20.72	19.95	21.12	21.51
	4H	19.80	20.86	20.23	21.28	21.71	20.33	21.40	20.77	21.82	22.25
	6H	20.32	21.26	20.78	21.70	22.15	20.94	21.87	21.39	22.31	22.77
	8H	20.46	21.34	20.92	21.78	22.24	21.13	22.00	21.59	22.44	22.91
	12H	20.54	21.33	21.02	21.80	22.27	21.25	22.03	21.73	22.51	22.98
8H	4H	20.13	21.01	20.59	21.45	21.91	20.61	21.48	21.07	21.93	22.39
	6H	20.77	21.50	21.27	21.99	22.46	21.32	22.05	21.82	22.54	23.01
	8H	20.97	21.62	21.48	22.13	22.62	21.58	22.23	22.09	22.74	23.22
	12H	21.10	21.68	21.61	22.17	22.73	21.76	22.34	22.27	22.83	23.39
12H	4H	20.17	20.96	20.65	21.43	21.90	20.63	21.42	21.11	21.89	22.36
	6H	20.83	21.48	21.34	21.99	22.47	21.36	22.01	21.87	22.52	23.00
	8H	21.08	21.66	21.59	22.15	22.71	21.67	22.24	22.17	22.73	23.29