

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: P1584523

Luminaire Tested: 14CZSP-A-32HE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584523
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-A-32HE-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

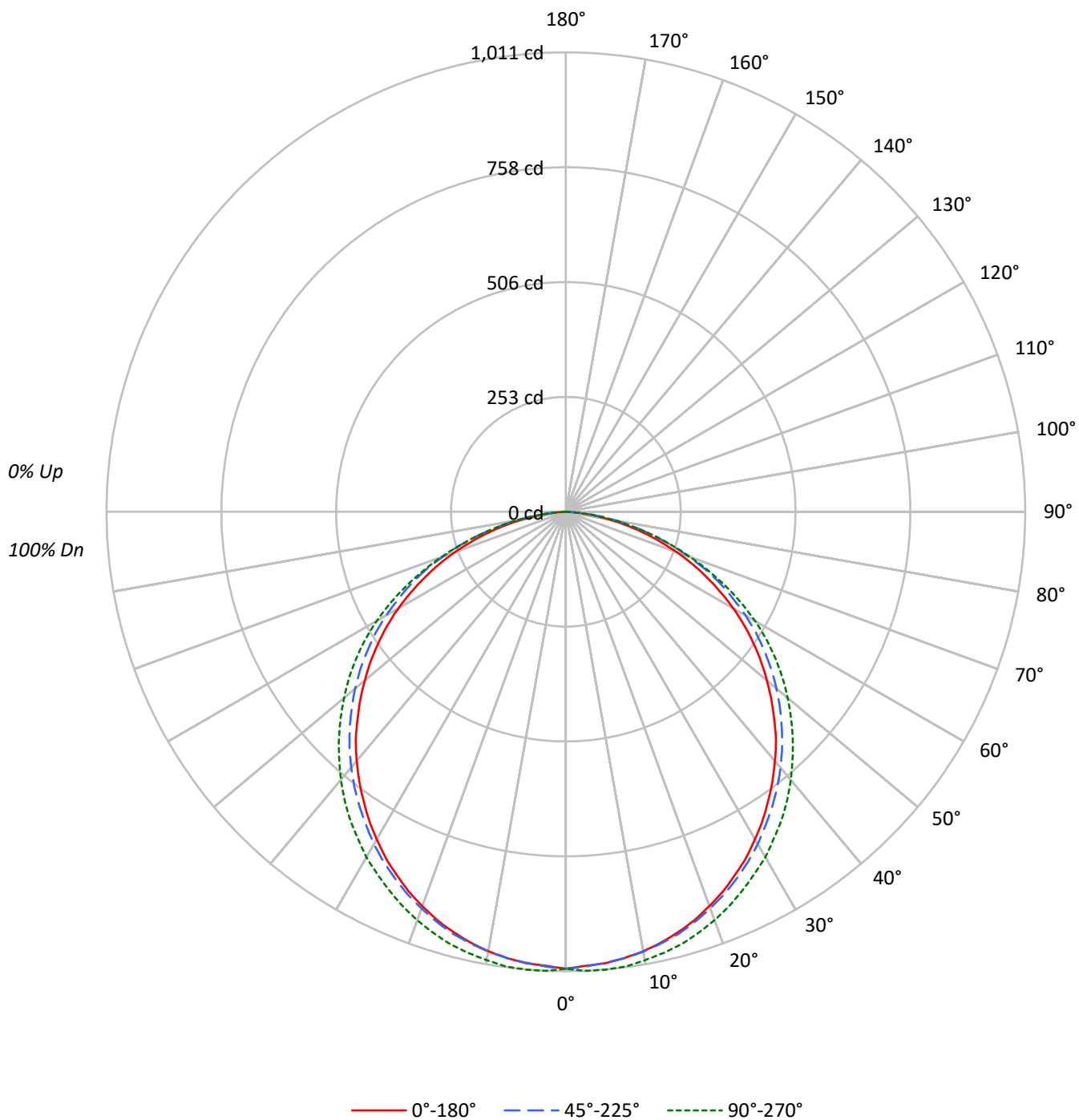
Lumens per Lamp: N/A
Luminaire Lumens: 2897.0 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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		94	91	88		90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62	56	52	50
5	76	63	54	47	73	61	53	47	59	52	46		57	51	46		55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32		43	36	32		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		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°	3389	3389	3389
5°	3373	3370	3421
10°	3360	3363	3428
15°	3340	3353	3436
20°	3311	3331	3430
25°	3278	3310	3419
30°	3239	3287	3416
35°	3194	3257	3405
40°	3149	3233	3387
45°	3091	3204	3367
50°	3028	3172	3341
55°	2960	3132	3310
60°	2872	3076	3242
65°	2741	2998	3096
70°	2557	2827	2874
75°	2281	2552	2576
80°	1855	2150	2133
85°	1210	1500	1171

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3367 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	3.3
10°-20°	272.9	9.4
20°-30°	413.4	14.3
30°-40°	499.4	17.2
40°-50°	521.7	18.0
50°-60°	477.7	16.5
60°-70°	367.0	12.7
70°-80°	204.4	7.1
80°-90°	45.3	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°	781.6	27.0
0°-40°	1281.0	44.2
0°-60°	2280.3	78.7
0°-90°	2897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	997	1008	996	1002	1011	95
15°	957	967	961	971	985	270
25°	882	892	890	903	920	406
35°	776	788	792	811	828	486
45°	649	663	672	692	706	501
55°	504	520	533	552	564	450
65°	344	362	376	384	388	340
75°	175	193	196	196	198	186
85°	31	37	39	32	30	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1005.7	1005.7	1005.7	1005.7	1005.7
2.5°	1000.0	1009.5	1001.9	1004.8	1011.4
5°	997.2	1007.6	996.3	1001.9	1011.4
7.5°	990.6	1000.0	990.6	997.2	1009.5
10°	982.0	992.5	983.0	989.6	1001.9
12.5°	970.7	979.2	972.6	982.0	994.4
15°	957.4	966.9	961.2	970.7	984.9
17.5°	942.3	950.8	946.1	958.4	971.6
20°	923.3	932.8	929.0	941.3	956.5
22.5°	904.4	913.9	911.0	923.3	939.4
25°	881.7	892.1	890.2	903.4	919.5
27.5°	858.9	869.4	868.4	883.6	898.7
30°	832.4	842.8	844.7	860.8	877.9
32.5°	805.9	817.3	818.2	836.2	852.3
35°	776.5	787.9	791.7	810.6	827.7
37.5°	747.2	758.6	764.2	782.2	800.2
40°	715.9	728.3	734.9	753.8	769.9
42.5°	684.7	697.0	704.6	723.5	738.7
45°	648.7	662.9	672.4	692.3	706.5
47.5°	613.7	628.8	639.2	658.2	672.4
50°	577.7	593.8	605.1	624.1	637.3
52.5°	541.7	558.7	570.1	588.1	601.4
55°	503.8	519.9	533.2	552.1	563.5
57.5°	465.9	482.0	496.2	513.3	523.7
60°	426.2	443.2	456.5	473.5	481.1
62.5°	384.5	402.5	415.7	429.0	435.6
65°	343.8	361.8	376.0	383.5	388.3
67.5°	302.1	320.1	333.3	337.1	340.0
70°	259.5	277.5	286.9	288.8	291.7
72.5°	216.9	234.9	242.4	242.4	243.4
75°	175.2	193.2	196.0	196.0	197.9
77.5°	134.5	150.6	152.5	152.5	152.5
80°	95.6	108.0	110.8	110.8	109.9
82.5°	60.6	69.1	73.9	70.1	68.2
85°	31.3	36.9	38.8	32.2	30.3
87.5°	9.5	11.4	9.5	5.7	4.7
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	15.98	17.63	16.35	17.95	18.26	16.49	18.14	16.86	18.45	18.77
	3H	17.76	19.25	18.13	19.57	19.93	18.29	19.78	18.67	20.10	20.46
	4H	18.38	19.78	18.78	20.13	20.51	18.92	20.32	19.32	20.67	21.05
	6H	18.78	20.08	19.19	20.45	20.84	19.34	20.64	19.75	21.01	21.40
	8H	18.88	20.12	19.30	20.51	20.91	19.45	20.69	19.87	21.08	21.48
	12H	18.93	20.12	19.36	20.50	20.93	19.49	20.68	19.91	21.06	21.49
4H	2H	16.71	18.11	17.10	18.46	18.83	17.10	18.51	17.50	18.85	19.23
	3H	18.70	19.88	19.11	20.27	20.67	19.11	20.29	19.52	20.69	21.09
	4H	19.46	20.52	19.89	20.93	21.37	19.87	20.93	20.30	21.34	21.78
	6H	19.98	20.91	20.43	21.35	21.80	20.40	21.33	20.86	21.77	22.23
	8H	20.11	20.98	20.57	21.42	21.89	20.55	21.42	21.01	21.86	22.32
	12H	20.18	20.97	20.66	21.44	21.91	20.61	21.39	21.09	21.87	22.34
8H	4H	19.79	20.66	20.25	21.10	21.57	20.15	21.02	20.61	21.46	21.93
	6H	20.42	21.15	20.92	21.63	22.11	20.79	21.52	21.29	22.00	22.48
	8H	20.61	21.26	21.12	21.77	22.25	20.99	21.64	21.50	22.14	22.63
	12H	20.74	21.31	21.24	21.80	22.36	21.09	21.67	21.60	22.16	22.72
12H	4H	19.82	20.60	20.30	21.08	21.55	20.18	20.96	20.66	21.43	21.90
	6H	20.47	21.12	20.98	21.63	22.11	20.83	21.48	21.34	21.99	22.47
	8H	20.72	21.29	21.22	21.78	22.34	21.08	21.65	21.58	22.14	22.70