

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: P1585627

Luminaire Tested: 14CZSP-SB-32HE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-32HE-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

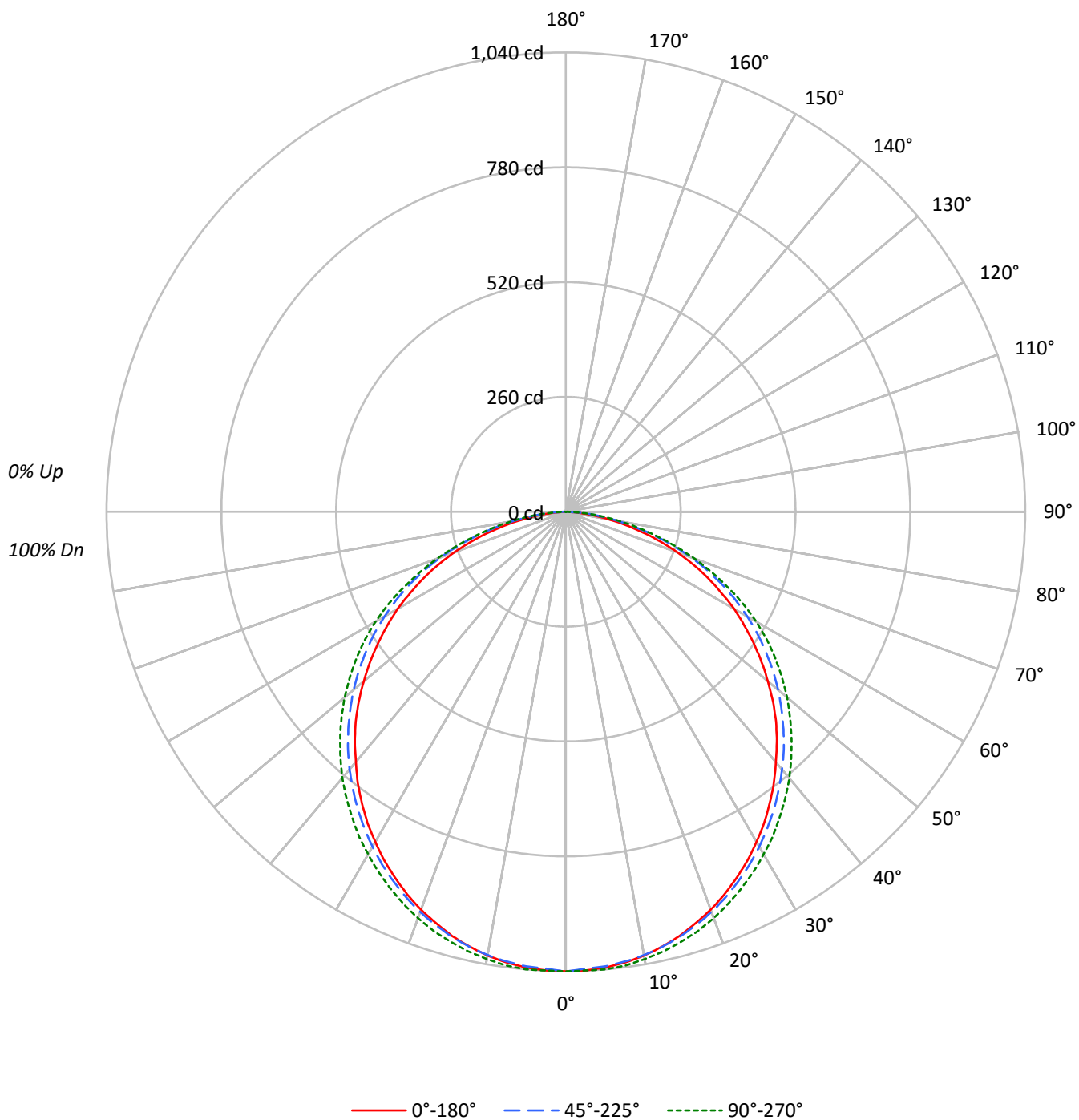
Lumens per Lamp: N/A
Luminaire Lumens: 3006.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1585627

CATALOG NUMBER: 14CZSP-SB-32HE-L940

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	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	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	58	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°	3506	3506	3506
5°	3503	3494	3518
10°	3491	3488	3519
15°	3468	3476	3516
20°	3438	3458	3511
25°	3400	3432	3497
30°	3358	3406	3484
35°	3311	3379	3471
40°	3253	3350	3463
45°	3207	3320	3444
50°	3130	3289	3427
55°	3050	3246	3401
60°	2968	3198	3356
65°	2834	3114	3228
70°	2645	2973	3046
75°	2356	2695	2773
80°	1925	2336	2453
85°	1272	1860	1991

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3444 cd/sqm

TEST NUMBER: P1585627

CATALOG NUMBER: 14CZSP-SB-32HE-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	3.3
10°-20°	282.3	9.4
20°-30°	427.4	14.2
30°-40°	515.9	17.2
40°-50°	538.8	17.9
50°-60°	492.8	16.4
60°-70°	381.0	12.7
70°-80°	215.7	7.2
80°-90°	53.6	1.8
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°	808.2	26.9
0°-40°	1324.1	44.0
0°-60°	2355.7	78.4
0°-90°	3006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1036	1043	1033	1034	1040	98
15°	994	1003	996	1001	1008	280
25°	914	926	923	932	940	421
35°	805	816	821	835	844	504
45°	673	686	697	714	723	518
55°	519	535	552	570	579	464
65°	356	370	391	402	405	351
75°	181	197	207	212	213	192
85°	33	38	48	50	52	42
90°	0	0	0	0	0	

TEST NUMBER: P1585627

CATALOG NUMBER: 14CZSP-SB-32HE-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1040.5	1040.5	1040.5	1040.5	1040.5
2.5°	1039.2	1046.6	1035.3	1037.5	1039.6
5°	1035.7	1043.1	1033.1	1034.0	1040.1
7.5°	1029.2	1037.5	1027.1	1028.8	1036.2
10°	1020.2	1028.4	1019.3	1021.0	1028.4
12.5°	1008.5	1016.7	1008.9	1011.5	1019.7
15°	994.2	1002.8	996.3	1001.1	1008.0
17.5°	976.9	987.7	980.7	988.1	995.0
20°	958.7	969.5	964.3	970.8	979.0
22.5°	937.9	948.7	944.8	951.7	960.8
25°	914.5	926.2	923.2	931.8	940.5
27.5°	890.3	901.5	900.6	910.2	919.3
30°	863.0	875.1	875.5	886.8	895.4
32.5°	835.7	846.5	849.1	861.7	871.6
35°	805.0	816.2	821.4	835.3	843.9
37.5°	773.8	786.3	792.0	807.1	816.2
40°	739.6	753.9	761.7	777.7	787.2
42.5°	707.1	720.1	730.5	746.5	755.2
45°	672.9	685.9	696.7	714.5	722.7
47.5°	636.1	650.4	662.1	679.4	688.5
50°	597.1	612.7	627.4	644.3	653.8
52.5°	558.6	573.7	590.6	607.1	616.6
55°	519.2	534.8	552.5	569.8	578.9
57.5°	479.3	494.9	514.4	530.0	539.5
60°	440.4	454.7	474.6	490.2	498.0
62.5°	396.2	412.7	433.0	448.6	452.9
65°	355.5	370.2	390.6	402.3	404.9
67.5°	312.2	326.9	347.3	353.8	357.7
70°	268.5	284.0	301.8	306.1	309.2
72.5°	224.3	240.3	254.2	258.5	261.1
75°	181.0	196.6	207.0	212.2	213.0
77.5°	139.0	153.3	162.8	168.9	168.9
80°	99.2	110.0	120.4	126.9	126.4
82.5°	63.2	71.4	82.3	87.0	90.1
85°	32.9	38.1	48.1	50.2	51.5
87.5°	10.4	13.4	17.3	14.3	13.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585627

CATALOG NUMBER: 14CZSP-SB-32HE-L940

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	16.04	17.69	16.40	18.00	18.32	16.58	18.23	16.94	18.54	18.86
	3H	17.81	19.30	18.19	19.63	19.99	18.44	19.93	18.82	20.26	20.62
	4H	18.43	19.84	18.83	20.19	20.57	19.11	20.52	19.51	20.87	21.24
	6H	18.84	20.15	19.25	20.51	20.90	19.60	20.90	20.01	21.27	21.66
	8H	18.94	20.19	19.36	20.58	20.98	19.75	21.00	20.18	21.39	21.79
	12H	18.99	20.18	19.42	20.57	20.99	19.85	21.05	20.28	21.43	21.86
4H	2H	16.78	18.19	17.18	18.53	18.91	17.20	18.61	17.60	18.95	19.33
	3H	18.77	19.95	19.18	20.35	20.75	19.28	20.46	19.69	20.86	21.26
	4H	19.52	20.59	19.95	21.00	21.44	20.08	21.15	20.51	21.56	22.00
	6H	20.04	20.97	20.49	21.41	21.87	20.69	21.63	21.15	22.07	22.52
	8H	20.17	21.05	20.63	21.49	21.95	20.90	21.77	21.36	22.21	22.68
	12H	20.25	21.04	20.73	21.51	21.98	21.04	21.82	21.52	22.30	22.77
8H	4H	19.87	20.75	20.33	21.19	21.66	20.37	21.24	20.83	21.69	22.15
	6H	20.51	21.23	21.00	21.72	22.20	21.10	21.83	21.59	22.32	22.79
	8H	20.70	21.35	21.21	21.86	22.34	21.37	22.03	21.88	22.53	23.02
	12H	20.83	21.40	21.33	21.89	22.45	21.58	22.16	22.09	22.65	23.21
12H	4H	19.92	20.70	20.39	21.18	21.65	20.39	21.18	20.87	21.65	22.12
	6H	20.57	21.22	21.08	21.73	22.22	21.14	21.80	21.65	22.30	22.79
	8H	20.82	21.40	21.33	21.89	22.45	21.47	22.05	21.98	22.54	23.10