

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: P1584563

Luminaire Tested: 14CZSP-A-37HE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584563
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-37HE-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

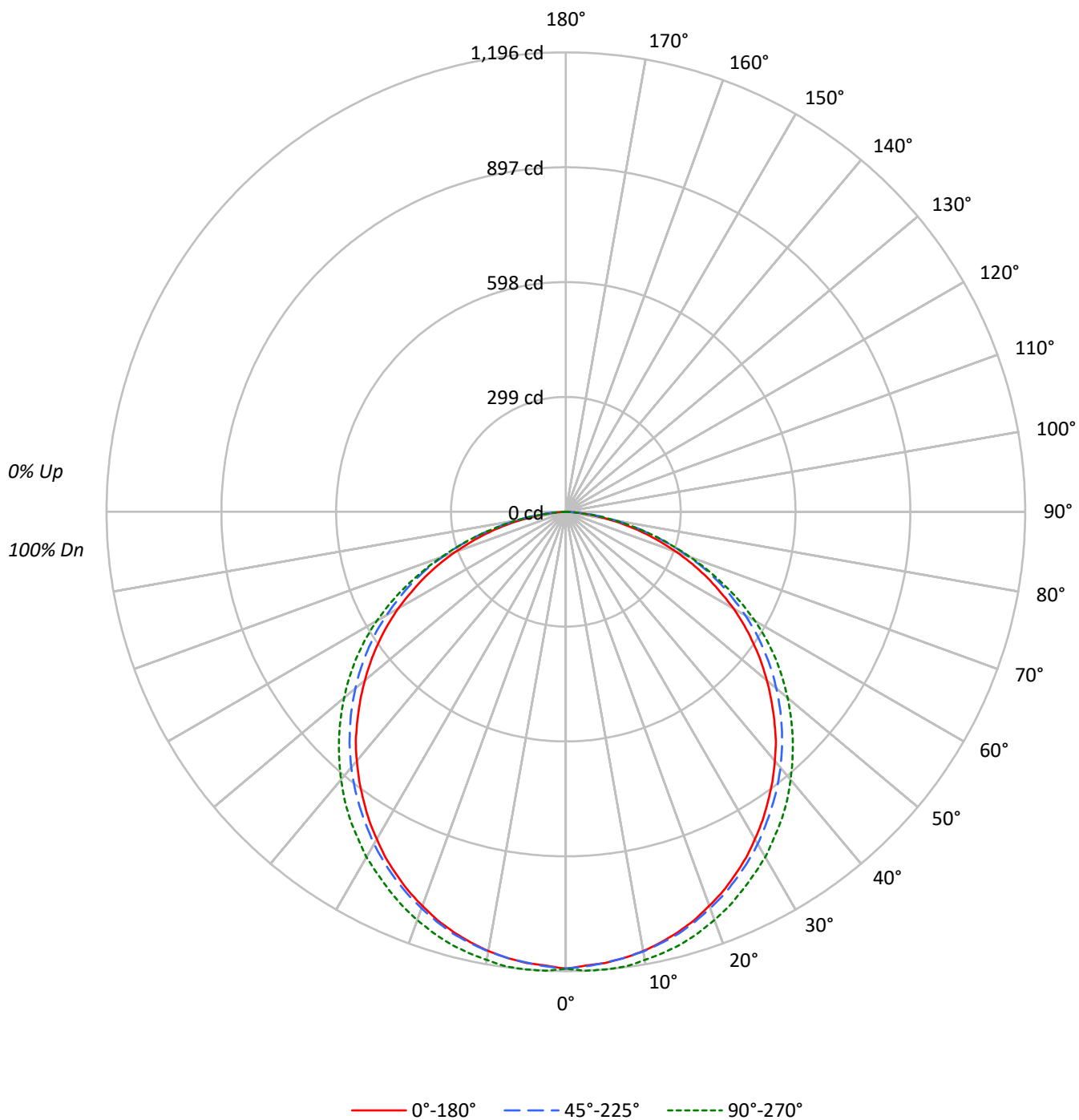
Lumens per Lamp: N/A
Luminaire Lumens: 3426.0 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1584563

CATALOG NUMBER: 14CZSP-A-37HE-L930

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°	4008	4008	4008
5°	3989	3985	4046
10°	3974	3978	4054
15°	3950	3965	4063
20°	3915	3940	4056
25°	3877	3914	4043
30°	3830	3887	4039
35°	3777	3851	4026
40°	3724	3823	4005
45°	3656	3789	3981
50°	3581	3751	3951
55°	3500	3704	3915
60°	3397	3638	3834
65°	3241	3545	3661
70°	3024	3343	3398
75°	2698	3018	3048
80°	2195	2542	2521
85°	1430	1775	1384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3981 cd/sqm

TEST NUMBER: P1584563

CATALOG NUMBER: 14CZSP-A-37HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	3.3
10°-20°	322.8	9.4
20°-30°	488.9	14.3
30°-40°	590.6	17.2
40°-50°	616.9	18.0
50°-60°	564.9	16.5
60°-70°	434.1	12.7
70°-80°	241.7	7.1
80°-90°	53.5	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°	924.3	27.0
0°-40°	1514.9	44.2
0°-60°	2696.7	78.7
0°-90°	3426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1189	1189	1189	1189	1189	
5°	1179	1192	1178	1185	1196	112
15°	1132	1144	1137	1148	1165	319
25°	1043	1055	1053	1068	1088	481
35°	918	932	936	959	979	575
45°	767	784	795	819	836	592
55°	596	615	630	653	666	532
65°	406	428	445	454	459	402
75°	207	228	232	232	234	219
85°	37	44	46	38	36	48
90°	0	0	0	0	0	

TEST NUMBER: P1584563

CATALOG NUMBER: 14CZSP-A-37HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1189.4	1189.4	1189.4	1189.4	1189.4
2.5°	1182.7	1193.9	1184.9	1188.3	1196.1
5°	1179.3	1191.6	1178.2	1184.9	1196.1
7.5°	1171.5	1182.7	1171.5	1179.3	1193.9
10°	1161.4	1173.7	1162.5	1170.3	1184.9
12.5°	1147.9	1158.0	1150.2	1161.4	1175.9
15°	1132.3	1143.5	1136.7	1147.9	1164.7
17.5°	1114.3	1124.4	1118.8	1133.4	1149.1
20°	1091.9	1103.1	1098.7	1113.2	1131.1
22.5°	1069.5	1080.7	1077.4	1091.9	1111.0
25°	1042.7	1055.0	1052.7	1068.4	1087.5
27.5°	1015.8	1028.1	1027.0	1044.9	1062.8
30°	984.4	996.7	999.0	1018.0	1038.2
32.5°	953.1	966.5	967.6	988.9	1007.9
35°	918.3	931.8	936.3	958.7	978.8
37.5°	883.6	897.1	903.8	925.1	946.3
40°	846.7	861.2	869.1	891.5	910.5
42.5°	809.7	824.3	833.2	855.6	873.5
45°	767.2	784.0	795.2	818.7	835.5
47.5°	725.7	743.6	756.0	778.4	795.2
50°	683.2	702.2	715.6	738.0	753.7
52.5°	640.6	660.8	674.2	695.5	711.2
55°	595.8	614.8	630.5	652.9	666.4
57.5°	551.0	570.0	586.8	607.0	619.3
60°	504.0	524.1	539.8	560.0	568.9
62.5°	454.7	476.0	491.7	507.3	515.2
65°	406.5	427.8	444.6	453.6	459.2
67.5°	357.3	378.5	394.2	398.7	402.1
70°	306.9	328.1	339.3	341.6	344.9
72.5°	256.5	277.7	286.7	286.7	287.8
75°	207.2	228.5	231.8	231.8	234.1
77.5°	159.0	178.1	180.3	180.3	180.3
80°	113.1	127.7	131.0	131.0	129.9
82.5°	71.7	81.8	87.4	82.9	80.6
85°	37.0	43.7	45.9	38.1	35.8
87.5°	11.2	13.4	11.2	6.7	5.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584563
CATALOG NUMBER: 14CZSP-A-37HE-L930

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	16.57	18.21	16.93	18.53	18.84	17.07	18.72	17.44	19.03	19.35
	3H	18.34	19.83	18.72	20.15	20.51	18.87	20.36	19.25	20.69	21.05
	4H	18.96	20.37	19.36	20.71	21.09	19.50	20.91	19.90	21.25	21.63
	6H	19.36	20.67	19.78	21.03	21.42	19.92	21.22	20.33	21.59	21.98
	8H	19.46	20.71	19.89	21.10	21.49	20.03	21.27	20.45	21.66	22.06
	12H	19.51	20.70	19.94	21.08	21.51	20.07	21.26	20.50	21.64	22.07
4H	2H	17.29	18.69	17.69	19.04	19.41	17.68	19.09	18.08	19.44	19.81
	3H	19.28	20.46	19.69	20.86	21.26	19.70	20.87	20.11	21.27	21.67
	4H	20.04	21.10	20.47	21.52	21.95	20.45	21.51	20.88	21.93	22.36
	6H	20.56	21.49	21.01	21.93	22.39	20.99	21.92	21.44	22.36	22.81
	8H	20.69	21.56	21.15	22.01	22.47	21.13	22.00	21.59	22.44	22.90
	12H	20.77	21.55	21.25	22.02	22.49	21.19	21.98	21.67	22.45	22.92
8H	4H	20.37	21.24	20.83	21.68	22.15	20.73	21.60	21.19	22.05	22.51
	6H	21.01	21.73	21.50	22.22	22.69	21.38	22.10	21.87	22.59	23.06
	8H	21.20	21.84	21.71	22.35	22.84	21.57	22.22	22.08	22.72	23.21
	12H	21.32	21.89	21.83	22.38	22.94	21.68	22.25	22.18	22.74	23.30
12H	4H	20.40	21.18	20.88	21.66	22.13	20.76	21.54	21.24	22.02	22.48
	6H	21.06	21.70	21.56	22.21	22.70	21.41	22.06	21.92	22.57	23.05
	8H	21.30	21.87	21.80	22.36	22.92	21.66	22.23	22.16	22.72	23.28