

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: P1584233

Luminaire Tested: 14CZSP-35-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-35-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 80CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

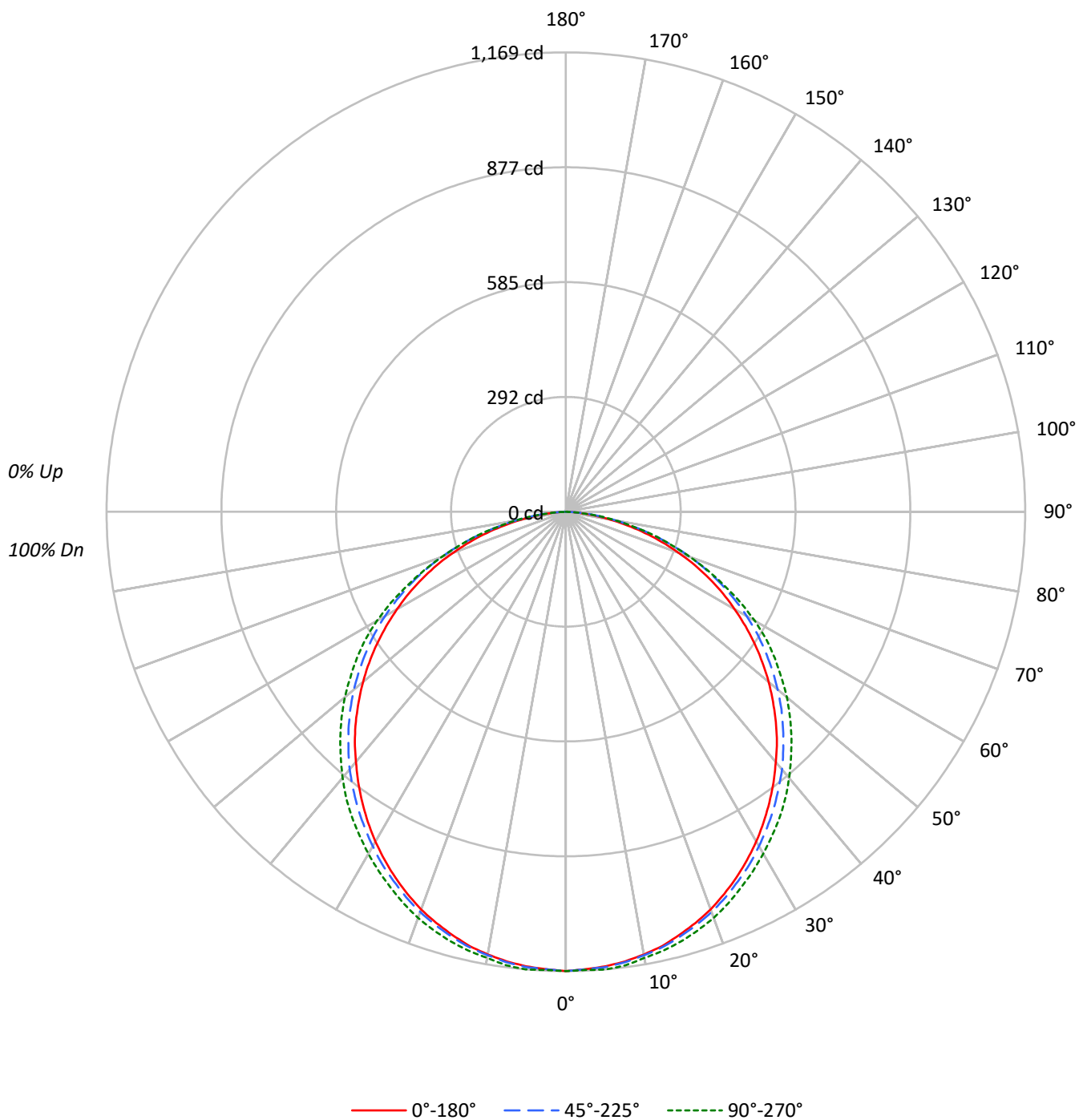
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3373.1 lumens
Efficiency: N/A
Efficacy: 145.4 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): 23.2
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	53		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	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°	3939	3939	3939
5°	3927	3934	3954
10°	3914	3921	3945
15°	3890	3907	3949
20°	3862	3887	3944
25°	3818	3855	3922
30°	3770	3825	3910
35°	3714	3793	3904
40°	3655	3765	3888
45°	3603	3726	3869
50°	3533	3690	3848
55°	3448	3642	3813
60°	3343	3585	3740
65°	3213	3484	3556
70°	3015	3310	3310
75°	2708	3007	3020
80°	2232	2542	2542
85°	1546	1856	1624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3869 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.3
10°-20°	317.1	9.4
20°-30°	480.0	14.2
30°-40°	579.4	17.2
40°-50°	605.4	17.9
50°-60°	554.6	16.4
60°-70°	427.6	12.7
70°-80°	241.2	7.2
80°-90°	57.1	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°	907.8	26.9
0°-40°	1487.3	44.1
0°-60°	2647.2	78.5
0°-90°	3373.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3373.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1161	1169	1163	1165	1169	110
15°	1115	1122	1120	1129	1132	315
25°	1027	1036	1037	1051	1055	473
35°	903	915	922	942	949	565
45°	756	769	782	805	812	583
55°	587	602	620	643	649	524
65°	403	416	437	452	446	398
75°	208	224	231	237	232	220
85°	40	45	48	51	42	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169	1169	1169	1169	1169
2.5°	1165	1173	1165	1169	1167
5°	1161	1169	1163	1165	1169
7.5°	1154	1162	1156	1159	1164
10°	1144	1152	1146	1151	1153
12.5°	1132	1139	1135	1141	1144
15°	1115	1122	1120	1129	1132
17.5°	1097	1105	1103	1114	1117
20°	1077	1084	1084	1094	1100
22.5°	1053	1061	1062	1073	1079
25°	1027	1036	1037	1051	1055
27.5°	999	1008	1012	1027	1031
30°	969	978	983	1000	1005
32.5°	937	948	953	972	977
35°	903	915	922	942	949
37.5°	868	880	889	910	918
40°	831	844	856	877	884
42.5°	795	808	819	841	848
45°	756	769	782	805	812
47.5°	715	729	744	765	774
50°	674	688	704	726	734
52.5°	631	646	662	685	691
55°	587	602	620	643	649
57.5°	542	558	577	599	605
60°	496	512	532	553	555
62.5°	451	465	485	505	502
65°	403	416	437	452	446
67.5°	355	369	388	399	391
70°	306	321	336	344	336
72.5°	257	273	284	289	282
75°	208	224	231	237	232
77.5°	161	176	179	186	179
80°	115	129	131	138	131
82.5°	74	83	87	93	86
85°	40	45	48	51	42
87.5°	14	16	14	12	5
90°	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	16.48	18.13	16.84	18.44	18.75	17.02	18.67	17.38	18.98	19.30
	3H	18.26	19.76	18.64	20.08	20.44	18.83	20.32	19.20	20.65	21.01
	4H	18.90	20.31	19.30	20.66	21.03	19.47	20.88	19.87	21.23	21.60
	6H	19.33	20.63	19.74	21.00	21.39	19.91	21.22	20.32	21.58	21.97
	8H	19.44	20.68	19.86	21.07	21.47	20.03	21.28	20.46	21.67	22.07
	12H	19.49	20.68	19.92	21.07	21.49	20.09	21.29	20.52	21.67	22.10
4H	2H	17.20	18.61	17.60	18.96	19.33	17.63	19.03	18.03	19.38	19.76
	3H	19.21	20.39	19.62	20.79	21.19	19.66	20.84	20.07	21.24	21.64
	4H	19.98	21.04	20.41	21.46	21.89	20.44	21.51	20.87	21.92	22.36
	6H	20.52	21.45	20.97	21.89	22.35	21.01	21.94	21.46	22.38	22.84
	8H	20.67	21.54	21.13	21.98	22.45	21.18	22.05	21.64	22.49	22.96
	12H	20.75	21.54	21.23	22.01	22.48	21.27	22.05	21.75	22.53	23.00
8H	4H	20.32	21.19	20.78	21.64	22.10	20.73	21.61	21.19	22.05	22.51
	6H	20.98	21.70	21.47	22.19	22.67	21.41	22.14	21.91	22.63	23.10
	8H	21.18	21.84	21.69	22.34	22.83	21.65	22.30	22.16	22.80	23.29
	12H	21.32	21.90	21.83	22.39	22.95	21.80	22.37	22.30	22.86	23.42
12H	4H	20.36	21.14	20.84	21.62	22.09	20.76	21.54	21.24	22.02	22.49
	6H	21.03	21.69	21.54	22.19	22.68	21.45	22.11	21.96	22.61	23.10
	8H	21.29	21.87	21.80	22.36	22.92	21.74	22.31	22.25	22.80	23.36