

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: P1585717

Luminaire Tested: 14CZSP-SB-47-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585717
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-47-L840
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 4000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

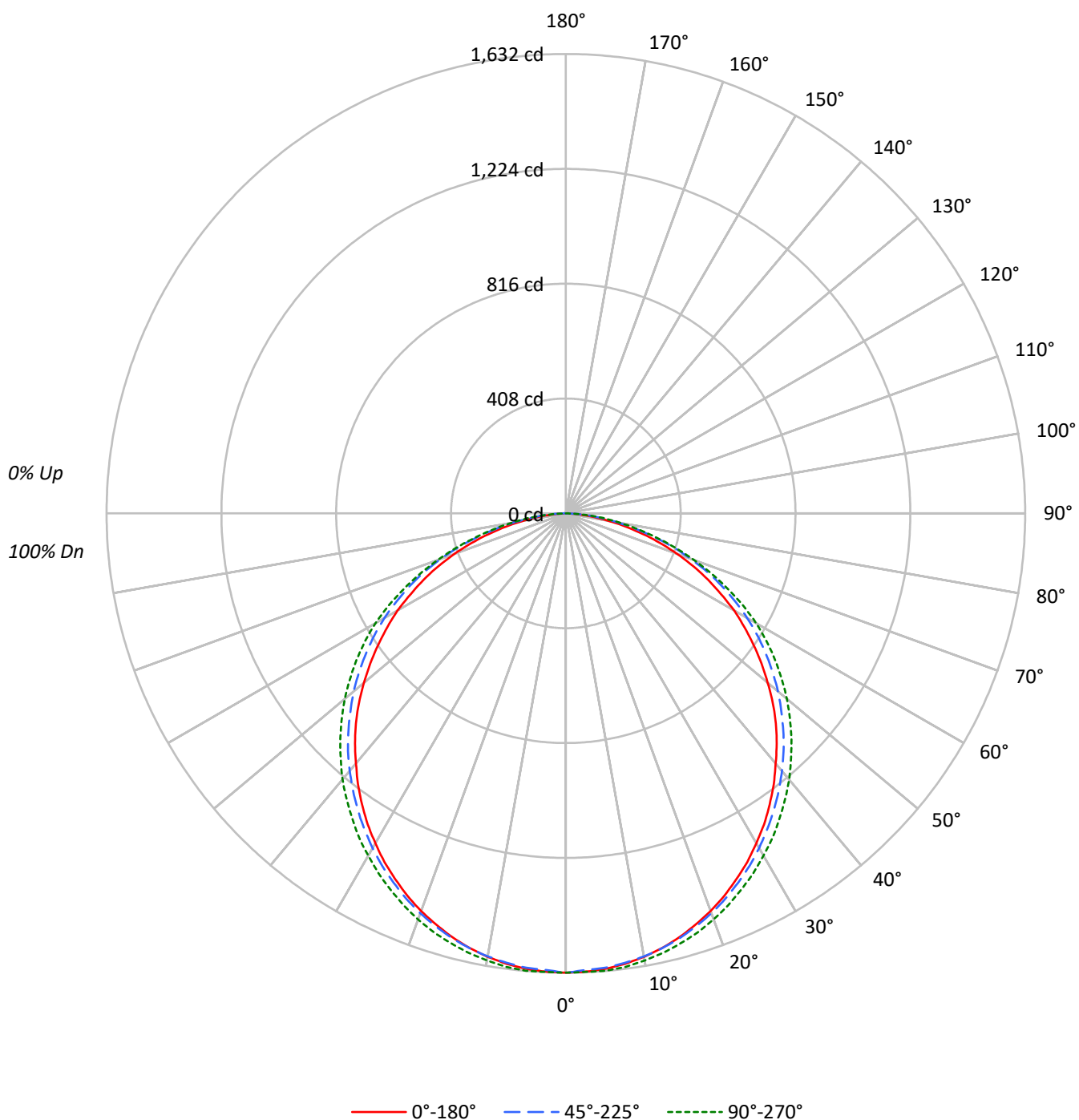
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4714.0 lumens
Efficiency: N/A
Efficacy: 143.7 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): 32.8
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: P1585717
CATALOG NUMBER: 14CZSP-SB-47-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1585717

CATALOG NUMBER: 14CZSP-SB-47-L840

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	99	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°	5498	5498	5498
5°	5494	5480	5517
10°	5474	5469	5518
15°	5439	5451	5515
20°	5391	5422	5505
25°	5332	5382	5484
30°	5265	5342	5464
35°	5192	5299	5444
40°	5102	5254	5430
45°	5028	5207	5401
50°	4909	5158	5375
55°	4783	5090	5334
60°	4654	5015	5263
65°	4445	4884	5062
70°	4148	4663	4776
75°	3695	4226	4350
80°	3017	3664	3848
85°	1995	2915	3124

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5401 cd/sqm

TEST NUMBER: P1585717

CATALOG NUMBER: 14CZSP-SB-47-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	3.3
10°-20°	442.7	9.4
20°-30°	670.2	14.2
30°-40°	809.0	17.2
40°-50°	844.9	17.9
50°-60°	772.9	16.4
60°-70°	597.5	12.7
70°-80°	338.3	7.2
80°-90°	84.0	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°	1267.5	26.9
0°-40°	2076.5	44.0
0°-60°	3694.2	78.4
0°-90°	4714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1632	1632	1632	1632	1632	
5°	1624	1636	1620	1622	1631	154
15°	1559	1573	1562	1570	1581	440
25°	1434	1452	1448	1461	1475	661
35°	1262	1280	1288	1310	1323	790
45°	1055	1076	1093	1120	1133	813
55°	814	839	866	894	908	728
65°	558	581	612	631	635	550
75°	284	308	325	333	334	301
85°	52	60	75	79	81	67
90°	0	0	0	0	0	

TEST NUMBER: P1585717

CATALOG NUMBER: 14CZSP-SB-47-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1631.7	1631.7	1631.7	1631.7	1631.7
2.5°	1629.7	1641.2	1623.6	1627.0	1630.4
5°	1624.2	1635.8	1620.2	1621.5	1631.0
7.5°	1614.1	1627.0	1610.7	1613.4	1624.9
10°	1599.8	1612.7	1598.4	1601.2	1612.7
12.5°	1581.5	1594.4	1582.1	1586.2	1599.1
15°	1559.1	1572.6	1562.5	1569.9	1580.8
17.5°	1531.9	1548.9	1538.0	1549.6	1560.4
20°	1503.4	1520.4	1512.2	1522.4	1535.3
22.5°	1470.8	1487.8	1481.6	1492.5	1506.8
25°	1434.1	1452.5	1447.7	1461.3	1474.9
27.5°	1396.1	1413.7	1412.4	1427.3	1441.6
30°	1353.3	1372.3	1373.0	1390.7	1404.2
32.5°	1310.5	1327.5	1331.6	1351.3	1366.9
35°	1262.3	1280.0	1288.1	1309.9	1323.4
37.5°	1213.4	1233.1	1242.0	1265.7	1280.0
40°	1159.8	1182.2	1194.4	1219.5	1234.5
42.5°	1108.9	1129.2	1145.5	1170.7	1184.2
45°	1055.2	1075.6	1092.6	1120.4	1133.3
47.5°	997.5	1019.9	1038.2	1065.4	1079.7
50°	936.4	960.8	983.9	1010.4	1025.3
52.5°	876.0	899.7	926.2	952.0	966.9
55°	814.2	838.6	866.4	893.6	907.9
57.5°	751.7	776.1	806.7	831.1	846.1
60°	690.6	713.0	744.2	768.7	780.9
62.5°	621.3	647.1	679.0	703.5	710.3
65°	557.5	580.6	612.5	630.8	634.9
67.5°	489.6	512.7	544.6	554.8	560.9
70°	421.0	445.4	473.3	480.1	484.8
72.5°	351.7	376.9	398.6	405.4	409.5
75°	283.8	308.3	324.6	332.7	334.1
77.5°	218.0	240.4	255.3	264.8	264.8
80°	155.5	172.5	188.8	199.0	198.3
82.5°	99.1	112.0	129.0	136.5	141.2
85°	51.6	59.8	75.4	78.8	80.8
87.5°	16.3	21.1	27.2	22.4	21.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585717

CATALOG NUMBER: 14CZSP-SB-47-L840

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	17.60	19.25	17.97	19.57	19.88	18.14	19.79	18.51	20.11	20.42
	3H	19.37	20.87	19.75	21.19	21.55	20.00	21.50	20.38	21.82	22.18
	4H	20.00	21.41	20.40	21.75	22.13	20.67	22.08	21.07	22.43	22.81
	6H	20.40	21.71	20.81	22.07	22.46	21.16	22.47	21.57	22.83	23.22
	8H	20.50	21.75	20.93	22.14	22.54	21.32	22.56	21.74	22.95	23.35
	12H	20.55	21.75	20.98	22.13	22.56	21.41	22.61	21.84	22.99	23.42
4H	2H	18.34	19.75	18.74	20.10	20.47	18.76	20.17	19.16	20.52	20.89
	3H	20.33	21.51	20.74	21.91	22.31	20.84	22.02	21.25	22.42	22.82
	4H	21.08	22.15	21.51	22.56	23.00	21.64	22.71	22.07	23.12	23.56
	6H	21.60	22.54	22.05	22.98	23.43	22.26	23.19	22.71	23.63	24.09
	8H	21.74	22.61	22.20	23.05	23.52	22.46	23.33	22.92	23.78	24.24
	12H	21.81	22.60	22.29	23.07	23.54	22.60	23.39	23.08	23.86	24.33
8H	4H	21.44	22.31	21.90	22.75	23.22	21.93	22.81	22.39	23.25	23.71
	6H	22.07	22.80	22.56	23.28	23.76	22.66	23.39	23.16	23.88	24.35
	8H	22.26	22.92	22.77	23.42	23.91	22.94	23.59	23.45	24.10	24.58
	12H	22.39	22.97	22.90	23.46	24.02	23.14	23.72	23.65	24.21	24.77
12H	4H	21.48	22.27	21.96	22.74	23.21	21.96	22.74	22.44	23.22	23.69
	6H	22.13	22.79	22.64	23.29	23.78	22.71	23.36	23.21	23.87	24.35
	8H	22.38	22.96	22.89	23.45	24.01	23.03	23.61	23.54	24.10	24.66