

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: P1584727

Luminaire Tested: 14CZSP-A-60VHE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-776-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-60VHE-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

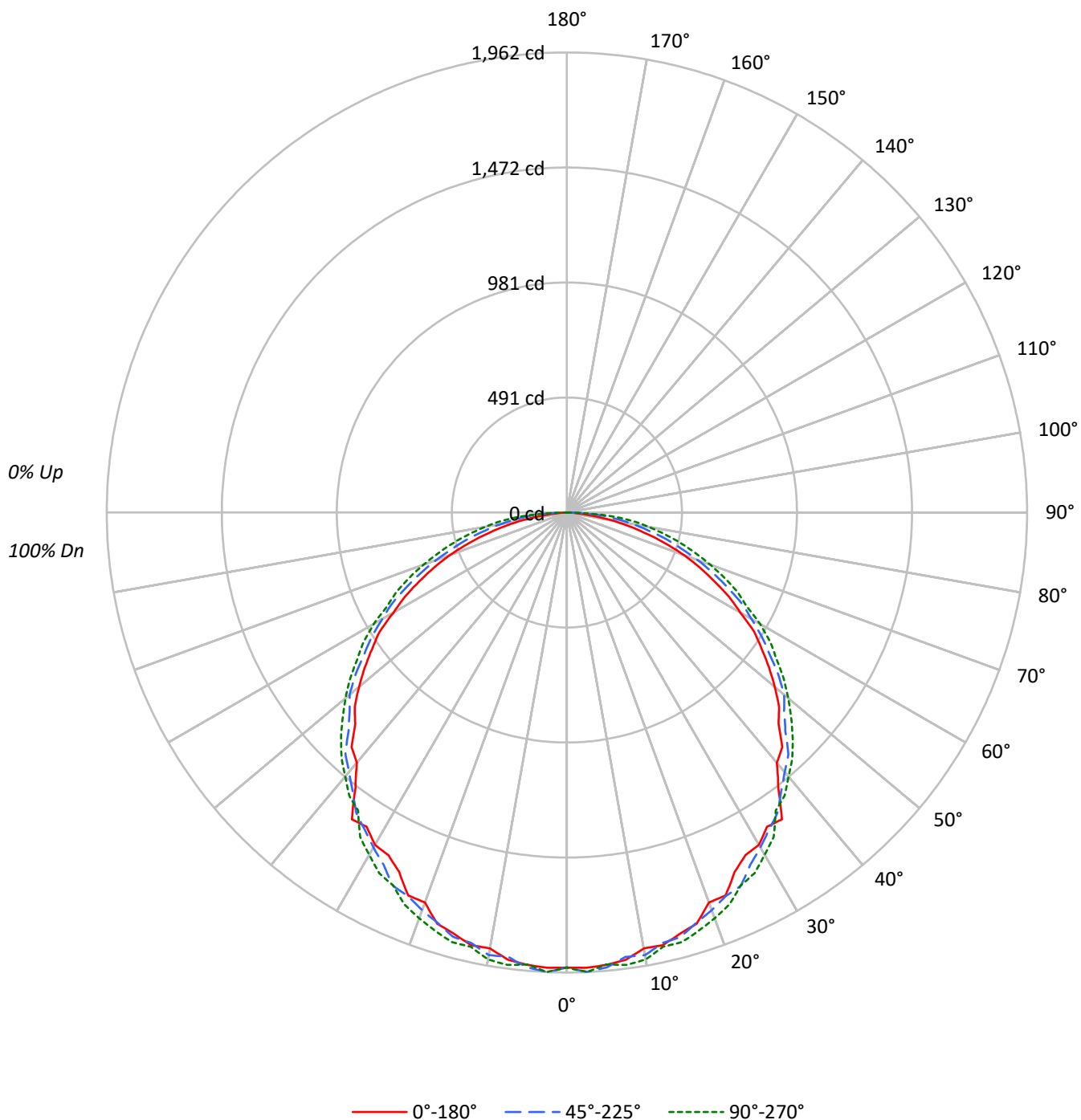
Lumens per Lamp: N/A
Luminaire Lumens: 5817.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 43.9
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89
2	98	89	82	76	95	88	81	75	84	78	74		81	76	72		78
3	89	78	70	63	87	77	69	63	74	67	61		71	65	60		68
4	82	69	60	53	79	68	59	53	65	58	52		63	57	51		61
5	75	62	52	46	73	61	52	45	58	51	45		56	50	44		55
6	69	55	46	40	67	54	46	40	53	45	39		51	44	39		49
7	64	50	41	35	62	49	41	35	48	40	35		46	39	34		45
8	60	46	37	31	58	45	37	31	44	36	31		42	36	31		41
9	56	42	34	28	54	41	33	28	40	33	28		39	32	28		38
10	52	39	31	25	51	38	30	25	37	30	25		36	30	25		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6539	6539	6539
5°	6551	6588	6544
10°	6459	6558	6623
15°	6487	6536	6617
20°	6346	6471	6604
25°	6290	6528	6524
30°	6368	6419	6559
35°	6572	6436	6383
40°	6126	6355	6469
45°	6080	6275	6489
50°	6064	6337	6457
55°	5956	6197	6408
60°	5754	6125	6408
65°	5533	6019	6394
70°	5230	5851	6403
75°	4620	5714	6521
80°	3803	5567	6906
85°	2126	5877	7694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 85°

Luminance: 7694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	3.2
10°-20°	528.0	9.1
20°-30°	802.4	13.8
30°-40°	975.7	16.8
40°-50°	1024.2	17.6
50°-60°	947.3	16.3
60°-70°	746.2	12.8
70°-80°	458.7	7.9
80°-90°	150.7	2.6
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°	1514.3	26.0
0°-40°	2490.0	42.8
0°-60°	4461.4	76.7
0°-90°	5817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5817.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1941	1941	1941	1941	1941	
5°	1937	1903	1948	1931	1935	183
15°	1860	1855	1874	1899	1897	524
25°	1692	1723	1756	1751	1755	786
35°	1598	1541	1565	1589	1552	968
45°	1276	1303	1317	1355	1362	992
55°	1014	1046	1055	1082	1091	906
65°	694	721	755	788	802	687
75°	355	394	439	484	501	378
85°	55	96	152	186	199	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1940.7	1940.7	1940.7	1940.7	1940.7
2.5°	1943.6	1946.6	1960.6	1929.7	1961.6
5°	1936.7	1902.7	1947.6	1930.7	1934.7
7.5°	1923.7	1927.7	1911.7	1921.7	1946.6
10°	1887.7	1912.7	1916.7	1920.7	1935.7
12.5°	1889.7	1873.7	1880.7	1909.7	1896.7
15°	1859.7	1854.7	1873.7	1898.7	1896.7
17.5°	1838.7	1827.7	1834.7	1846.7	1869.7
20°	1769.7	1798.7	1804.7	1841.7	1841.7
22.5°	1767.7	1766.7	1770.7	1789.7	1809.7
25°	1691.7	1722.7	1755.7	1750.7	1754.7
27.5°	1647.7	1682.7	1693.7	1727.7	1733.7
30°	1636.7	1642.7	1649.7	1686.7	1685.7
32.5°	1588.7	1598.7	1603.7	1624.7	1640.7
35°	1597.7	1540.7	1564.7	1588.7	1551.7
37.5°	1480.7	1489.7	1499.7	1517.7	1523.7
40°	1392.7	1415.7	1444.7	1465.7	1470.7
42.5°	1358.8	1392.7	1397.7	1416.7	1421.7
45°	1275.8	1302.8	1316.8	1354.8	1361.8
47.5°	1226.8	1230.8	1255.8	1291.8	1296.8
50°	1156.8	1183.8	1208.8	1224.8	1231.8
52.5°	1085.8	1115.8	1135.8	1150.8	1164.8
55°	1013.8	1045.8	1054.8	1081.8	1090.8
57.5°	946.8	956.8	985.8	1011.8	1027.8
60°	853.8	887.8	908.8	956.8	950.8
62.5°	778.9	801.9	840.8	864.8	861.8
65°	693.9	720.9	754.9	787.9	801.9
67.5°	612.9	648.9	673.9	716.9	726.9
70°	530.9	547.9	593.9	635.9	649.9
72.5°	442.9	469.9	509.9	555.9	572.9
75°	354.9	393.9	438.9	483.9	500.9
77.5°	272.0	305.9	356.9	408.9	425.9
80°	196.0	227.0	286.9	334.9	355.9
82.5°	115.0	157.0	216.0	269.0	284.9
85°	55.0	96.0	152.0	186.0	199.0
87.5°	15.0	43.0	67.0	87.0	90.0
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	18.33	20.00	18.69	20.31	20.63	18.76	20.43	19.13	20.74	21.06
	3H	20.14	21.65	20.51	21.98	22.34	20.85	22.36	21.22	22.69	23.05
	4H	20.77	22.20	21.17	22.55	22.93	21.73	23.16	22.12	23.50	23.88
	6H	21.19	22.52	21.60	22.88	23.27	22.51	23.84	22.92	24.20	24.59
	8H	21.29	22.56	21.71	22.95	23.34	22.85	24.12	23.27	24.51	24.91
	12H	21.33	22.55	21.76	22.93	23.36	23.14	24.35	23.57	24.74	25.16
4H	2H	19.06	20.49	19.46	20.84	21.21	19.40	20.83	19.79	21.17	21.55
	3H	21.09	22.29	21.50	22.69	23.09	21.71	22.92	22.12	23.31	23.71
	4H	21.86	22.96	22.30	23.37	23.81	22.75	23.84	23.18	24.26	24.69
	6H	22.40	23.36	22.86	23.80	24.26	23.70	24.66	24.15	25.10	25.55
	8H	22.54	23.44	23.00	23.88	24.35	24.12	25.02	24.58	25.46	25.92
	12H	22.62	23.43	23.09	23.90	24.37	24.49	25.30	24.96	25.77	26.24
8H	4H	22.30	23.20	22.76	23.64	24.10	23.07	23.97	23.53	24.41	24.87
	6H	22.98	23.73	23.47	24.21	24.69	24.19	24.94	24.68	25.42	25.90
	8H	23.19	23.86	23.70	24.37	24.85	24.73	25.40	25.23	25.91	26.39
	12H	23.33	23.92	23.83	24.41	24.97	25.23	25.83	25.73	26.31	26.87
12H	4H	22.38	23.19	22.86	23.66	24.13	23.10	23.91	23.58	24.39	24.85
	6H	23.11	23.78	23.61	24.29	24.77	24.25	24.92	24.75	25.43	25.91
	8H	23.39	23.99	23.90	24.48	25.04	24.86	25.46	25.37	25.95	26.51