

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: P1584725

Luminaire Tested: 14CZSP-A-60VHE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584725
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

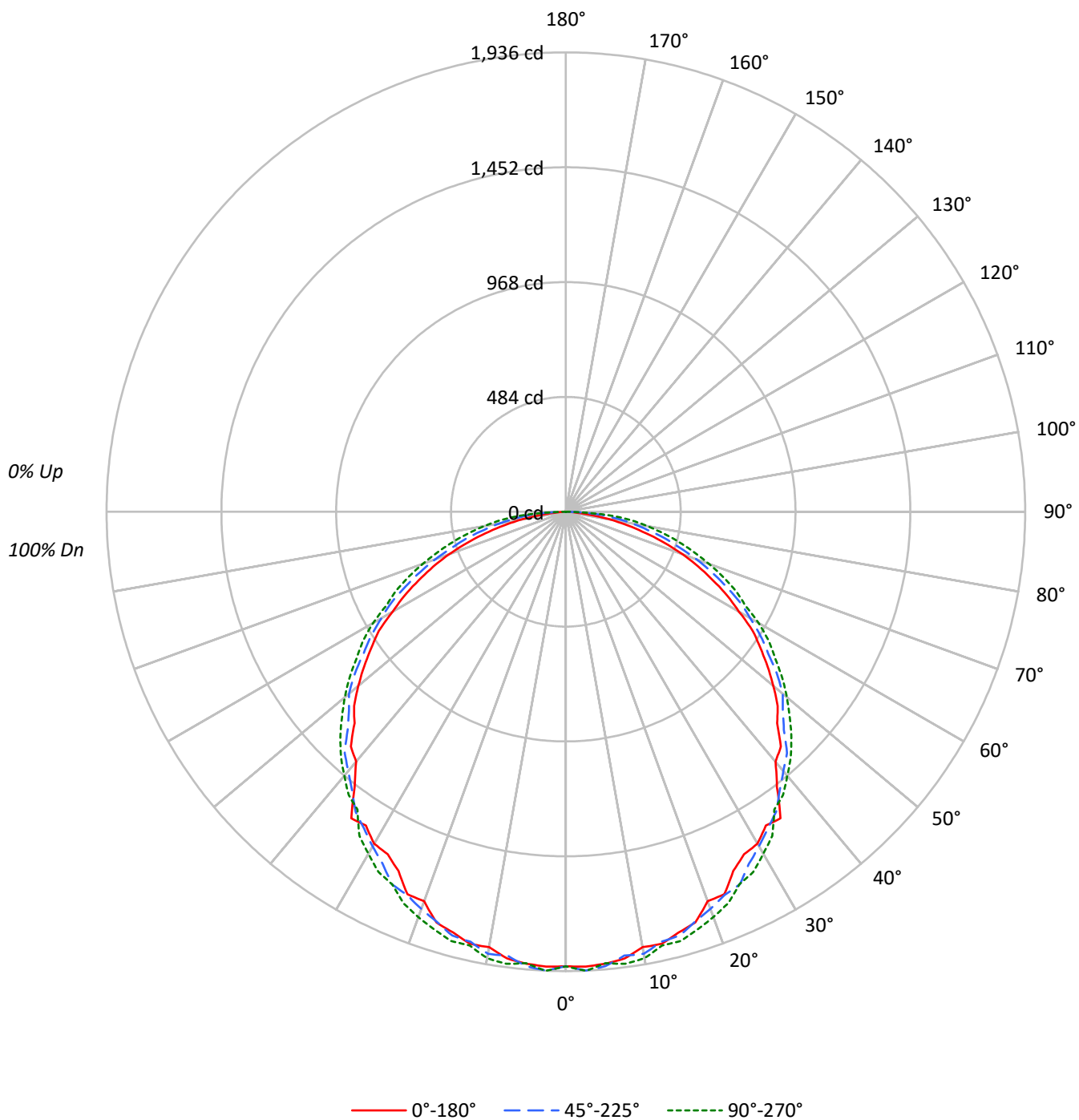
Lumens per Lamp: N/A
Luminaire Lumens: 5742.0 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	6455	6455	6455
5°	6466	6503	6459
10°	6375	6473	6538
15°	6404	6452	6531
20°	6264	6388	6519
25°	6209	6443	6440
30°	6286	6336	6474
35°	6487	6353	6301
40°	6047	6273	6386
45°	6001	6194	6406
50°	5986	6255	6374
55°	5879	6117	6325
60°	5680	6046	6325
65°	5461	5941	6311
70°	5163	5775	6320
75°	4562	5641	6438
80°	3753	5495	6817
85°	2099	5799	7593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 85°

Luminance: 7593 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	3.2
10°-20°	521.1	9.1
20°-30°	792.0	13.8
30°-40°	963.1	16.8
40°-50°	1011.0	17.6
50°-60°	935.1	16.3
60°-70°	736.6	12.8
70°-80°	452.8	7.9
80°-90°	148.7	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°	1494.7	26.0
0°-40°	2457.9	42.8
0°-60°	4403.9	76.7
0°-90°	5742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1912	1878	1922	1906	1910	181
15°	1836	1831	1850	1874	1872	517
25°	1670	1700	1733	1728	1732	776
35°	1577	1521	1544	1568	1532	956
45°	1259	1286	1300	1337	1344	979
55°	1001	1032	1041	1068	1077	895
65°	685	712	745	778	792	678
75°	350	389	433	478	494	373
85°	54	95	150	184	196	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1915.6	1915.6	1915.6	1915.6	1915.6
2.5°	1918.6	1921.6	1935.4	1904.8	1936.4
5°	1911.7	1878.1	1922.5	1905.8	1909.7
7.5°	1898.9	1902.8	1887.0	1896.9	1921.6
10°	1863.3	1888.0	1891.9	1895.9	1910.7
12.5°	1865.3	1849.5	1856.4	1885.0	1872.2
15°	1835.7	1830.8	1849.5	1874.2	1872.2
17.5°	1815.0	1804.1	1811.0	1822.9	1845.6
20°	1746.9	1775.5	1781.4	1817.9	1817.9
22.5°	1744.9	1743.9	1747.9	1766.6	1786.3
25°	1669.9	1700.5	1733.0	1728.1	1732.1
27.5°	1626.5	1661.0	1671.9	1705.4	1711.3
30°	1615.6	1621.5	1628.4	1664.9	1664.0
32.5°	1568.2	1578.1	1583.0	1603.8	1619.6
35°	1577.1	1520.9	1544.5	1568.2	1531.7
37.5°	1461.6	1470.5	1480.4	1498.2	1504.1
40°	1374.8	1397.5	1426.1	1446.8	1451.8
42.5°	1341.2	1374.8	1379.7	1398.5	1403.4
45°	1259.3	1286.0	1299.8	1337.3	1344.2
47.5°	1211.0	1214.9	1239.6	1275.1	1280.0
50°	1141.9	1168.5	1193.2	1209.0	1215.9
52.5°	1071.8	1101.4	1121.2	1136.0	1149.8
55°	1000.7	1032.3	1041.2	1067.9	1076.7
57.5°	934.6	944.5	973.1	998.8	1014.6
60°	842.8	876.4	897.1	944.5	938.6
62.5°	768.8	791.5	830.0	853.7	850.7
65°	684.9	711.6	745.1	777.7	791.5
67.5°	605.0	640.5	665.2	707.6	717.5
70°	524.1	540.8	586.2	627.7	641.5
72.5°	437.2	463.9	503.3	548.7	565.5
75°	350.4	388.8	433.3	477.7	494.5
77.5°	268.4	302.0	352.3	403.7	420.4
80°	193.4	224.0	283.2	330.6	351.3
82.5°	113.5	154.9	213.2	265.5	281.3
85°	54.3	94.7	150.0	183.6	196.4
87.5°	14.8	42.4	66.1	85.9	88.8
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	18.28	19.95	18.65	20.27	20.58	18.72	20.39	19.08	20.70	21.01
	3H	20.09	21.61	20.47	21.93	22.29	20.80	22.32	21.18	22.64	23.00
	4H	20.73	22.16	21.13	22.51	22.88	21.68	23.11	22.08	23.46	23.83
	6H	21.14	22.47	21.55	22.84	23.23	22.47	23.79	22.88	24.16	24.55
	8H	21.24	22.51	21.67	22.90	23.30	22.81	24.08	23.23	24.46	24.86
	12H	21.28	22.50	21.71	22.88	23.31	23.09	24.31	23.52	24.69	25.12
4H	2H	19.02	20.45	19.41	20.79	21.17	19.35	20.78	19.75	21.13	21.50
	3H	21.04	22.25	21.45	22.64	23.04	21.66	22.87	22.07	23.27	23.67
	4H	21.82	22.91	22.25	23.33	23.76	22.70	23.80	23.13	24.21	24.64
	6H	22.36	23.32	22.81	23.76	24.21	23.66	24.62	24.11	25.05	25.51
	8H	22.50	23.40	22.96	23.84	24.30	24.07	24.97	24.53	25.41	25.88
	12H	22.57	23.38	23.05	23.86	24.32	24.44	25.25	24.92	25.73	26.19
8H	4H	22.25	23.15	22.71	23.59	24.06	23.03	23.92	23.48	24.37	24.83
	6H	22.93	23.68	23.42	24.17	24.64	24.14	24.89	24.63	25.38	25.85
	8H	23.14	23.82	23.65	24.32	24.81	24.68	25.36	25.19	25.86	26.34
	12H	23.28	23.88	23.79	24.37	24.93	25.18	25.78	25.69	26.27	26.83
12H	4H	22.34	23.15	22.81	23.62	24.09	23.06	23.87	23.54	24.34	24.81
	6H	23.06	23.74	23.57	24.24	24.73	24.20	24.88	24.71	25.38	25.87
	8H	23.35	23.95	23.85	24.44	24.99	24.82	25.42	25.32	25.90	26.46