

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: P1584375

Luminaire Tested: 14CZSP-54HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584375
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-54HE-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 5000 lumens, 80CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

Summary

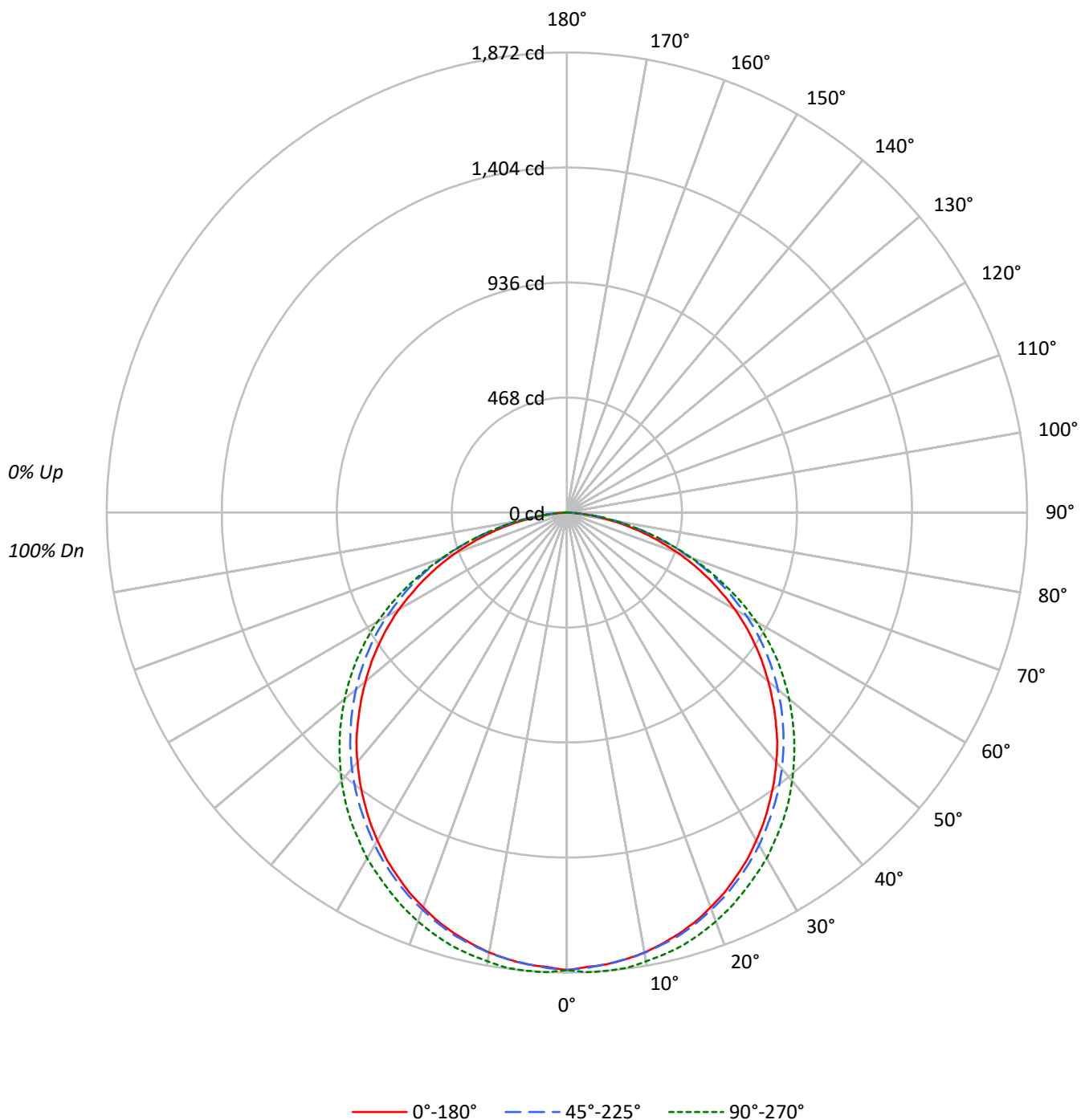
Lumens per Lamp: N/A
Luminaire Lumens: 5363.0 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 37.3
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	109	104	100	96	106	102	98	94	97	94	91		94	91	88		90
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62
5	76	63	54	47	73	61	53	47	59	52	46		57	51	46		55
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46
8	60	47	38	32	59	46	38	32	44	37	32		43	36	32		42
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6273	6273	6273
5°	6244	6238	6333
10°	6220	6226	6346
15°	6183	6207	6360
20°	6129	6167	6349
25°	6068	6127	6329
30°	5996	6085	6323
35°	5914	6029	6303
40°	5830	5984	6269
45°	5723	5931	6232
50°	5606	5872	6185
55°	5479	5798	6128
60°	5317	5695	6002
65°	5074	5549	5731
70°	4733	5233	5320
75°	4222	4725	4770
80°	3437	3980	3947
85°	2239	2780	2169

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6232 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.4	3.3
10°-20°	505.3	9.4
20°-30°	765.3	14.3
30°-40°	924.5	17.2
40°-50°	965.7	18.0
50°-60°	884.3	16.5
60°-70°	679.5	12.7
70°-80°	378.4	7.1
80°-90°	83.8	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°	1446.9	27.0
0°-40°	2371.4	44.2
0°-60°	4221.4	78.7
0°-90°	5363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5363.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1862	1862	1862	1862	1862	
5°	1846	1865	1844	1855	1872	175
15°	1772	1790	1779	1797	1823	500
25°	1632	1651	1648	1672	1702	752
35°	1438	1459	1466	1501	1532	900
45°	1201	1227	1245	1282	1308	927
55°	933	962	987	1022	1043	834
65°	636	670	696	710	719	629
75°	324	358	363	363	366	344
85°	58	68	72	60	56	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1861.8	1861.8	1861.8	1861.8	1861.8
2.5°	1851.3	1868.8	1854.8	1860.1	1872.3
5°	1846.0	1865.3	1844.3	1854.8	1872.3
7.5°	1833.8	1851.3	1833.8	1846.0	1868.8
10°	1818.0	1837.3	1819.7	1832.0	1854.8
12.5°	1797.0	1812.7	1800.5	1818.0	1840.8
15°	1772.4	1789.9	1779.4	1797.0	1823.3
17.5°	1744.4	1760.1	1751.4	1774.2	1798.7
20°	1709.3	1726.8	1719.8	1742.6	1770.7
22.5°	1674.2	1691.8	1686.5	1709.3	1739.1
25°	1632.2	1651.4	1647.9	1672.5	1702.3
27.5°	1590.1	1609.4	1607.6	1635.7	1663.7
30°	1541.0	1560.3	1563.8	1593.6	1625.1
32.5°	1491.9	1512.9	1514.7	1548.0	1577.8
35°	1437.6	1458.6	1465.6	1500.7	1532.2
37.5°	1383.2	1404.3	1414.8	1448.1	1481.4
40°	1325.4	1348.2	1360.4	1395.5	1425.3
42.5°	1267.5	1290.3	1304.3	1339.4	1367.4
45°	1200.9	1227.2	1244.7	1281.5	1307.8
47.5°	1136.0	1164.1	1183.4	1218.4	1244.7
50°	1069.4	1099.2	1120.2	1155.3	1179.9
52.5°	1002.8	1034.3	1055.4	1088.7	1113.2
55°	932.7	962.5	987.0	1022.1	1043.1
57.5°	862.5	892.3	918.6	950.2	969.5
60°	788.9	820.5	845.0	876.6	890.6
62.5°	711.8	745.1	769.6	794.2	806.4
65°	636.4	669.7	696.0	710.0	718.8
67.5°	559.2	592.6	617.1	624.1	629.4
70°	480.4	513.7	531.2	534.7	540.0
72.5°	401.5	434.8	448.8	448.8	450.6
75°	324.3	357.6	362.9	362.9	366.4
77.5°	248.9	278.7	282.3	282.3	282.3
80°	177.1	199.9	205.1	205.1	203.4
82.5°	112.2	128.0	136.7	129.7	126.2
85°	57.9	68.4	71.9	59.6	56.1
87.5°	17.5	21.0	17.5	10.5	8.8
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	18.12	19.77	18.49	20.09	20.40	18.63	20.28	19.00	20.59	20.91
	3H	19.90	21.39	20.27	21.71	22.07	20.43	21.92	20.80	22.24	22.60
	4H	20.52	21.92	20.92	22.27	22.65	21.06	22.46	21.46	22.81	23.19
	6H	20.92	22.22	21.33	22.59	22.98	21.48	22.78	21.89	23.15	23.54
	8H	21.02	22.26	21.44	22.65	23.05	21.59	22.83	22.01	23.22	23.62
	12H	21.07	22.26	21.49	22.64	23.07	21.63	22.82	22.05	23.20	23.63
4H	2H	18.85	20.25	19.24	20.60	20.97	19.24	20.65	19.64	20.99	21.37
	3H	20.84	22.02	21.25	22.41	22.81	21.25	22.43	21.66	22.83	23.23
	4H	21.60	22.66	22.03	23.07	23.51	22.01	23.07	22.44	23.48	23.92
	6H	22.12	23.05	22.57	23.49	23.94	22.54	23.47	23.00	23.91	24.37
	8H	22.25	23.12	22.71	23.56	24.03	22.69	23.56	23.15	24.00	24.46
	12H	22.32	23.11	22.80	23.58	24.05	22.75	23.53	23.23	24.01	24.48
8H	4H	21.93	22.80	22.39	23.24	23.70	22.29	23.16	22.75	23.60	24.07
	6H	22.56	23.28	23.06	23.77	24.25	22.93	23.66	23.43	24.14	24.62
	8H	22.75	23.40	23.26	23.91	24.39	23.13	23.77	23.64	24.28	24.77
	12H	22.88	23.45	23.38	23.94	24.50	23.23	23.81	23.74	24.30	24.86
12H	4H	21.96	22.74	22.44	23.22	23.69	22.32	23.10	22.80	23.57	24.04
	6H	22.61	23.26	23.12	23.77	24.25	22.97	23.62	23.48	24.13	24.61
	8H	22.86	23.43	23.36	23.92	24.48	23.22	23.79	23.72	24.28	24.84