

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: P1584746

Luminaire Tested: 14CZSP-A-65-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-65-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

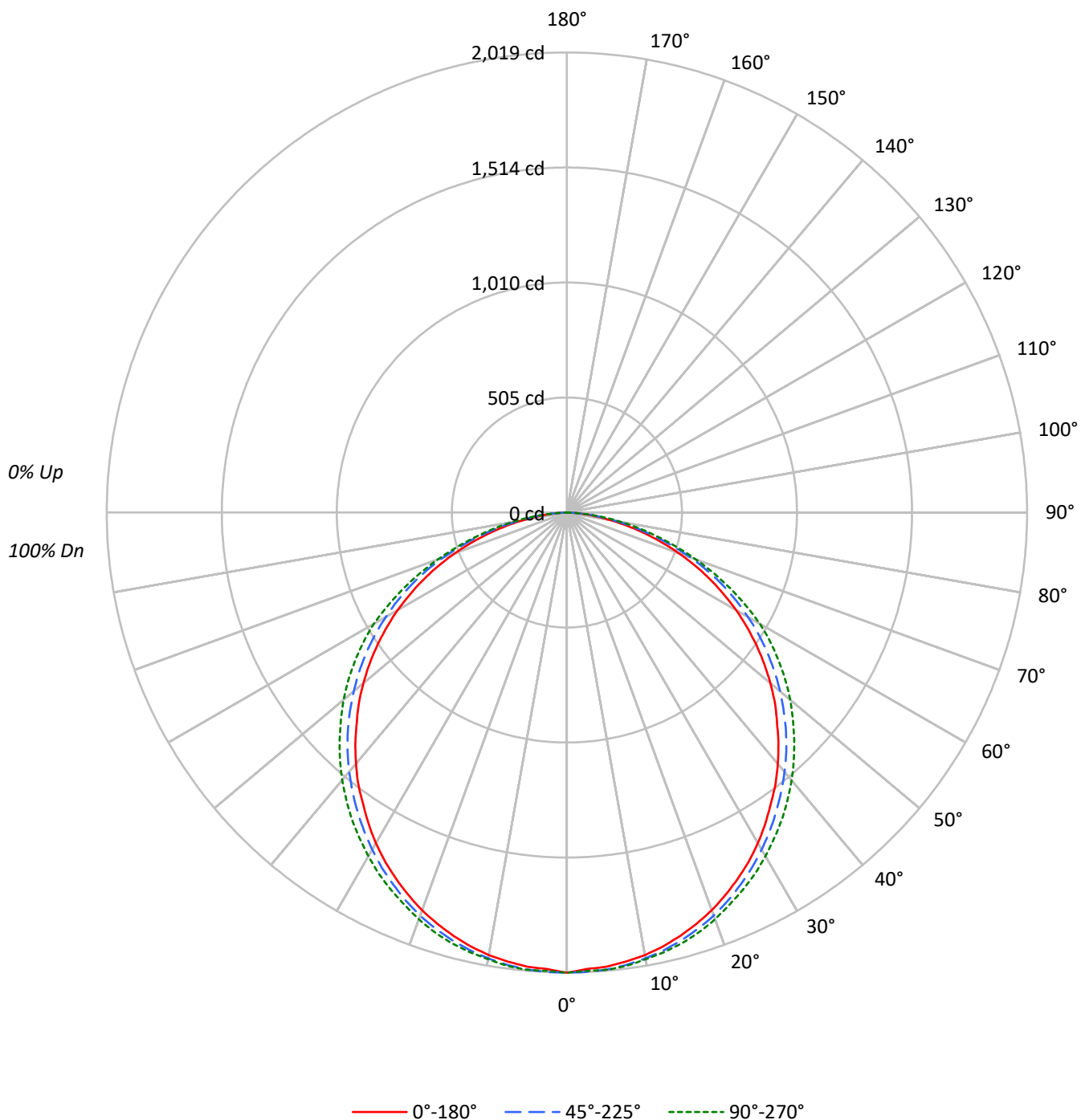
Lumens per Lamp: N/A
Luminaire Lumens: 5838.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 48.8
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: P1584746

CATALOG NUMBER: 14CZSP-A-65-L940-S

Luminous Intensity Polar Plot



TEST NUMBER: P1584746

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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	52		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	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°	6805	6805	6805
5°	6767	6810	6816
10°	6748	6798	6812
15°	6709	6778	6825
20°	6662	6751	6813
25°	6594	6700	6792
30°	6520	6647	6777
35°	6415	6589	6765
40°	6331	6535	6747
45°	6212	6478	6720
50°	6108	6401	6707
55°	5962	6310	6664
60°	5779	6185	6596
65°	5522	6016	6323
70°	5148	5681	5935
75°	4598	5124	5415
80°	3768	4319	4735
85°	2525	3155	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6720 cd/sqm

TEST NUMBER: P1584746

CATALOG NUMBER: 14CZSP-A-65-L940-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	3.3
10°-20°	548.3	9.4
20°-30°	830.2	14.2
30°-40°	1002.6	17.2
40°-50°	1047.8	17.9
50°-60°	960.1	16.4
60°-70°	741.1	12.7
70°-80°	416.9	7.1
80°-90°	99.7	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°	1569.8	26.9
0°-40°	2572.3	44.1
0°-60°	4580.2	78.5
0°-90°	5838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2019	2019	2019	2019	2019	
5°	2000	2015	2013	2015	2015	190
15°	1923	1939	1943	1951	1957	543
25°	1774	1789	1802	1811	1827	817
35°	1560	1579	1602	1623	1645	977
45°	1304	1329	1359	1387	1410	1007
55°	1015	1042	1074	1108	1134	907
65°	693	723	754	784	793	684
75°	353	386	394	410	416	374
85°	65	75	82	89	91	84
90°	0	0	0	0	0	

TEST NUMBER: P1584746

CATALOG NUMBER: 14CZSP-A-65-L940-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	2005.6	2021.1	2017.7	2022.8	2013.4
5°	2000.5	2015.1	2013.4	2015.1	2015.1
7.5°	1987.6	2003.0	2002.2	2004.8	2006.5
10°	1972.1	1986.7	1986.7	1989.3	1991.0
12.5°	1950.6	1966.1	1967.8	1972.1	1975.5
15°	1923.1	1938.6	1942.9	1950.6	1956.6
17.5°	1892.2	1908.5	1915.4	1923.1	1930.9
20°	1857.8	1872.4	1882.7	1888.8	1899.9
22.5°	1817.4	1833.8	1844.9	1850.9	1863.0
25°	1773.6	1789.1	1802.0	1811.4	1826.9
27.5°	1727.2	1742.7	1758.1	1769.3	1787.4
30°	1675.6	1692.0	1708.3	1725.5	1741.8
32.5°	1619.8	1638.7	1656.7	1675.6	1693.7
35°	1559.6	1579.4	1601.7	1623.2	1644.7
37.5°	1503.8	1521.8	1545.0	1568.2	1589.7
40°	1439.3	1459.1	1485.7	1511.5	1533.9
42.5°	1374.0	1395.5	1424.7	1449.6	1473.7
45°	1303.6	1329.3	1359.4	1386.9	1410.1
47.5°	1238.3	1260.6	1290.7	1320.8	1344.8
50°	1165.2	1190.1	1221.1	1252.9	1279.5
52.5°	1091.3	1117.1	1148.9	1180.7	1208.2
55°	1014.8	1041.5	1074.1	1107.6	1134.3
57.5°	936.6	965.0	998.5	1032.0	1058.7
60°	857.6	885.9	917.7	954.7	978.7
62.5°	775.1	806.9	837.0	871.3	885.9
65°	692.6	722.7	754.5	784.5	793.1
67.5°	608.4	639.3	667.7	687.4	698.6
70°	522.5	556.0	576.6	595.5	602.4
72.5°	437.4	470.9	482.9	501.0	507.8
75°	353.2	385.8	393.6	409.9	415.9
77.5°	271.5	301.6	304.2	323.1	328.3
80°	194.2	218.3	222.6	240.6	244.0
82.5°	124.6	141.8	147.8	163.3	168.4
85°	65.3	74.8	81.6	89.4	91.1
87.5°	21.5	26.6	22.3	23.2	21.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584746

CATALOG NUMBER: 14CZSP-A-65-L940-S

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	18.37	20.02	18.74	20.34	20.65	18.91	20.56	19.28	20.88	21.19
	3H	20.15	21.64	20.53	21.97	22.33	20.77	22.26	21.15	22.59	22.95
	4H	20.78	22.18	21.17	22.53	22.91	21.44	22.85	21.84	23.19	23.57
	6H	21.19	22.49	21.60	22.85	23.24	21.92	23.22	22.33	23.59	23.98
	8H	21.29	22.54	21.71	22.92	23.32	22.06	23.31	22.49	23.70	24.10
	12H	21.34	22.53	21.77	22.91	23.34	22.15	23.34	22.57	23.72	24.15
4H	2H	19.10	20.51	19.50	20.85	21.23	19.52	20.93	19.92	21.28	21.65
	3H	21.09	22.27	21.50	22.67	23.07	21.59	22.77	22.00	23.17	23.57
	4H	21.85	22.92	22.28	23.33	23.77	22.39	23.46	22.82	23.87	24.31
	6H	22.38	23.31	22.83	23.75	24.21	22.99	23.93	23.45	24.37	24.82
	8H	22.52	23.39	22.98	23.83	24.30	23.18	24.06	23.64	24.50	24.96
	12H	22.60	23.38	23.08	23.86	24.33	23.30	24.09	23.78	24.56	25.03
8H	4H	22.19	23.06	22.65	23.50	23.97	22.67	23.54	23.12	23.98	24.45
	6H	22.83	23.55	23.32	24.04	24.52	23.38	24.10	23.87	24.59	25.07
	8H	23.03	23.68	23.54	24.18	24.67	23.64	24.29	24.14	24.79	25.28
	12H	23.16	23.73	23.66	24.22	24.78	23.82	24.39	24.32	24.88	25.44
12H	4H	22.23	23.01	22.70	23.49	23.95	22.69	23.47	23.17	23.95	24.42
	6H	22.88	23.54	23.39	24.04	24.53	23.41	24.07	23.92	24.57	25.06
	8H	23.14	23.71	23.64	24.20	24.76	23.72	24.30	24.23	24.79	25.35