

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: P1584799

Luminaire Tested: 14CZSP-A-75-L845

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-75-L845
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 7200 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

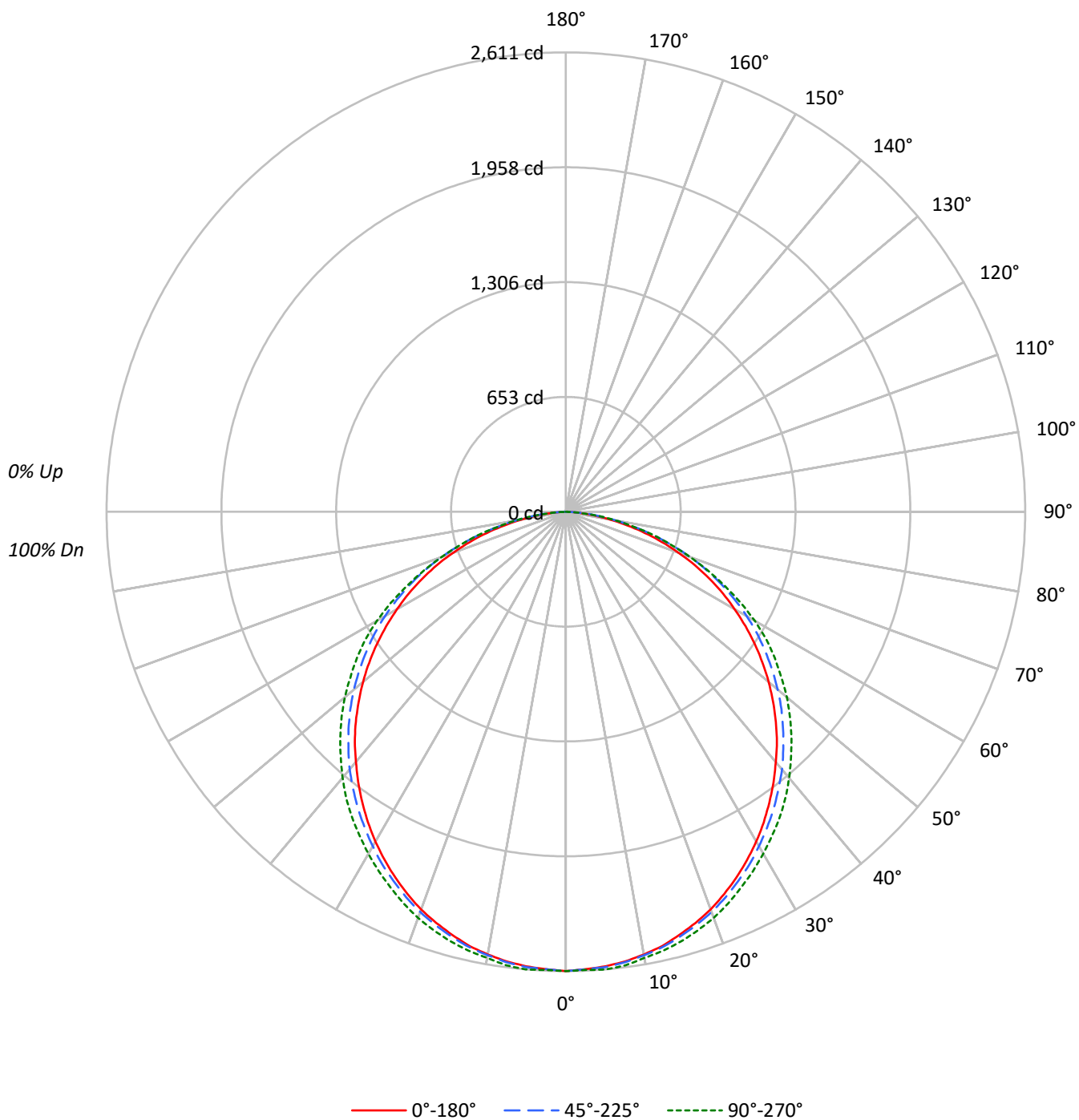
Lumens per Lamp: N/A
Luminaire Lumens: 7534.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
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			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	53		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	29		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°	8798	8798	8798
5°	8771	8786	8832
10°	8743	8758	8812
15°	8688	8727	8820
20°	8626	8682	8810
25°	8529	8611	8761
30°	8421	8543	8734
35°	8297	8471	8719
40°	8164	8410	8685
45°	8047	8324	8643
50°	7892	8243	8594
55°	7702	8135	8516
60°	7466	8008	8354
65°	7177	7783	7943
70°	6734	7394	7394
75°	6049	6718	6746
80°	4985	5678	5678
85°	3452	4145	3626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8643 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	3.3
10°-20°	708.3	9.4
20°-30°	1072.0	14.2
30°-40°	1294.2	17.2
40°-50°	1352.1	17.9
50°-60°	1238.7	16.4
60°-70°	955.0	12.7
70°-80°	538.8	7.2
80°-90°	127.5	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°	2027.7	26.9
0°-40°	3321.9	44.1
0°-60°	5912.7	78.5
0°-90°	7534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2611	2611	2611	2611	2611	
5°	2593	2611	2598	2602	2611	246
15°	2490	2506	2502	2522	2528	703
25°	2294	2314	2316	2348	2356	1057
35°	2017	2044	2059	2104	2120	1262
45°	1689	1718	1747	1798	1814	1302
55°	1311	1345	1385	1436	1450	1171
65°	900	929	976	1010	996	890
75°	465	500	516	529	518	492
85°	89	100	107	114	94	113
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2611.0	2611.0	2611.0	2611.0	2611.0
2.5°	2602.1	2620.0	2602.1	2611.0	2606.6
5°	2593.2	2611.0	2597.6	2602.1	2611.0
7.5°	2577.5	2595.4	2582.0	2588.7	2599.9
10°	2555.2	2573.1	2559.7	2570.8	2575.3
12.5°	2528.4	2544.0	2535.1	2548.5	2555.2
15°	2490.4	2506.1	2501.6	2521.7	2528.4
17.5°	2450.2	2468.1	2463.6	2488.2	2494.9
20°	2405.6	2421.2	2421.2	2443.5	2456.9
22.5°	2351.9	2369.8	2372.0	2396.6	2410.0
25°	2293.9	2314.0	2316.2	2347.5	2356.4
27.5°	2231.3	2251.4	2260.4	2293.9	2302.8
30°	2164.3	2184.4	2195.6	2233.6	2244.7
32.5°	2092.9	2117.4	2128.6	2171.0	2182.2
35°	2016.9	2043.7	2059.4	2104.0	2119.7
37.5°	1938.7	1965.5	1985.6	2032.5	2050.4
40°	1856.1	1885.1	1911.9	1958.8	1974.5
42.5°	1775.7	1804.7	1829.3	1878.4	1894.1
45°	1688.6	1717.6	1746.7	1798.0	1813.7
47.5°	1597.0	1628.3	1661.8	1708.7	1728.8
50°	1505.4	1536.7	1572.4	1621.6	1639.4
52.5°	1409.4	1442.9	1478.6	1530.0	1543.4
55°	1311.1	1344.6	1384.8	1436.2	1449.6
57.5°	1210.6	1246.3	1288.8	1337.9	1351.3
60°	1107.9	1143.6	1188.3	1235.2	1239.6
62.5°	1007.3	1038.6	1083.3	1128.0	1121.3
65°	900.1	929.2	976.1	1009.6	996.2
67.5°	792.9	824.2	866.6	891.2	873.3
70°	683.5	717.0	750.5	768.3	750.5
72.5°	574.0	609.8	634.3	645.5	629.9
75°	464.6	500.3	516.0	529.4	518.2
77.5°	359.6	393.1	399.8	415.4	399.8
80°	256.9	288.1	292.6	308.2	292.6
82.5°	165.3	185.4	194.3	207.7	192.1
85°	89.3	100.5	107.2	113.9	93.8
87.5°	31.3	35.7	31.3	26.8	11.2
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	19.27	20.92	19.63	21.23	21.55	19.81	21.46	20.18	21.78	22.09
	3H	21.06	22.55	21.43	22.87	23.23	21.62	23.11	22.00	23.44	23.80
	4H	21.69	23.10	22.09	23.45	23.82	22.26	23.67	22.66	24.02	24.39
	6H	22.12	23.42	22.53	23.79	24.18	22.70	24.01	23.11	24.37	24.76
	8H	22.23	23.47	22.65	23.86	24.26	22.83	24.07	23.25	24.46	24.86
	12H	22.28	23.48	22.71	23.86	24.29	22.88	24.08	23.31	24.46	24.89
4H	2H	19.99	21.40	20.39	21.75	22.12	20.42	21.83	20.82	22.17	22.55
	3H	22.00	23.18	22.41	23.58	23.98	22.46	23.64	22.86	24.03	24.43
	4H	22.77	23.84	23.20	24.25	24.68	23.24	24.30	23.67	24.72	25.15
	6H	23.31	24.25	23.77	24.69	25.14	23.80	24.74	24.26	25.18	25.63
	8H	23.46	24.33	23.92	24.77	25.24	23.97	24.84	24.43	25.28	25.75
	12H	23.54	24.33	24.02	24.80	25.27	24.06	24.85	24.54	25.32	25.79
8H	4H	23.11	23.99	23.57	24.43	24.89	23.52	24.40	23.98	24.84	25.30
	6H	23.77	24.50	24.26	24.98	25.46	24.21	24.93	24.70	25.42	25.89
	8H	23.98	24.63	24.49	25.13	25.62	24.44	25.09	24.95	25.59	26.08
	12H	24.11	24.69	24.62	25.18	25.74	24.59	25.16	25.10	25.65	26.21
12H	4H	23.15	23.93	23.63	24.41	24.88	23.55	24.33	24.03	24.81	25.28
	6H	23.83	24.48	24.33	24.98	25.47	24.25	24.90	24.75	25.40	25.89
	8H	24.08	24.66	24.59	25.15	25.71	24.53	25.11	25.04	25.60	26.16