

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P709204

Luminaire Tested: **14CGTS-L3C3-HIGH-3500K**

Issue Date: 9/13/2023



Test Information

Test Method: LM-79-08
Report Number: P709204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-983-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTS-L3C3-HIGH-3500K
Description: 1X4 CGT SELECTABLE AT 3500K, HIGH LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

Summary

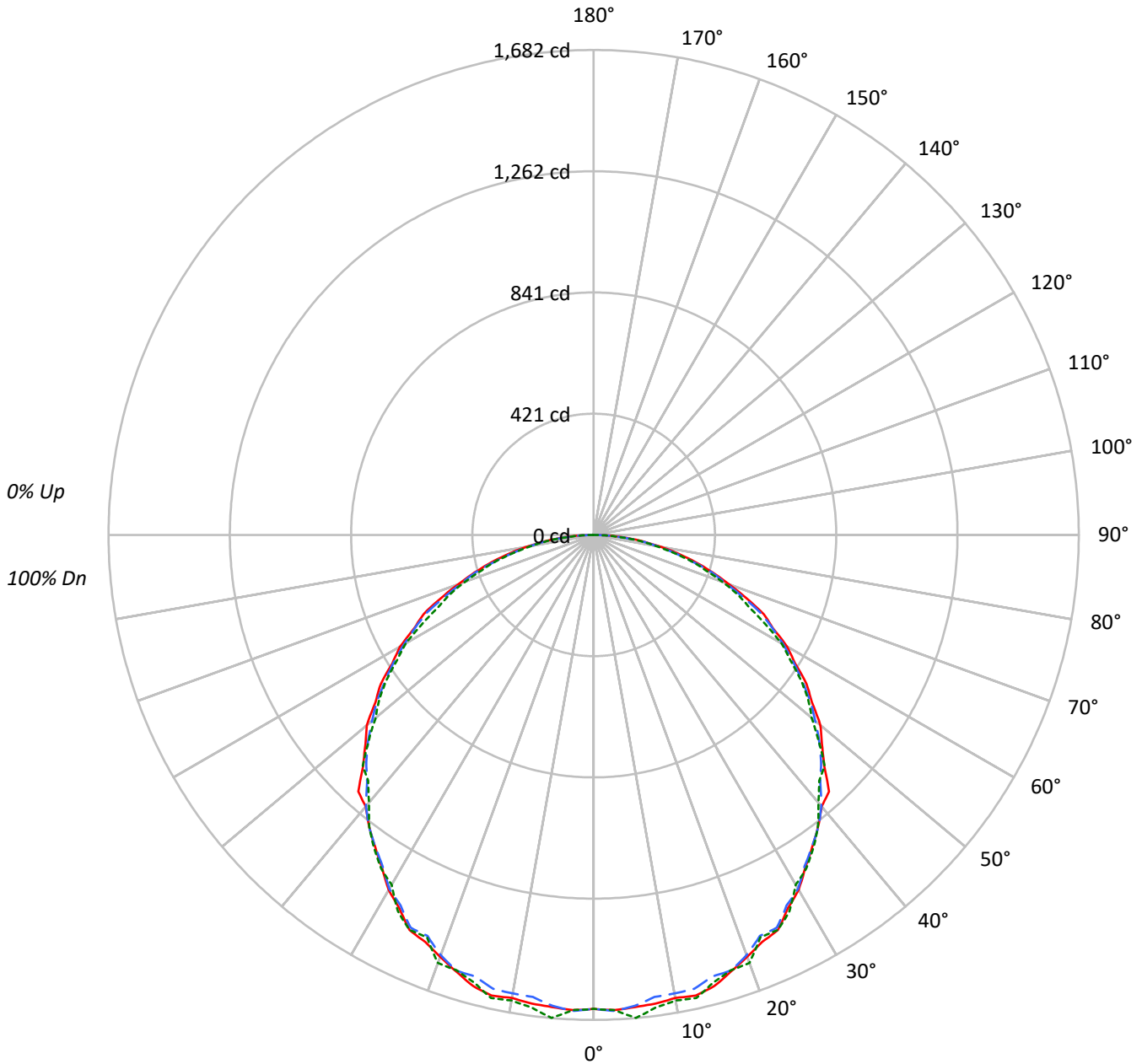
Lumens per Lamp: N/A
Luminaire Lumens: 4887.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4424	4424	4424
5°	4441	4429	4543
10°	4456	4413	4480
15°	4511	4418	4474
20°	4458	4441	4525
25°	4488	4462	4488
30°	4417	4404	4354
35°	4340	4336	4360
40°	4320	4314	4258
45°	4298	4243	4309
50°	4296	4199	4132
55°	4228	4139	4112
60°	4169	4083	4045
65°	4146	4063	3794
70°	3923	3808	3728
75°	3808	3642	3627
80°	3626	3513	3357
85°	3412	3186	3007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	3.2
10°-20°	452.1	9.3
20°-30°	686.1	14.0
30°-40°	828.6	17.0
40°-50°	863.5	17.7
50°-60°	790.7	16.2
60°-70°	618.4	12.7
70°-80°	374.2	7.7
80°-90°	116.9	2.4
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°	1294.7	26.5
0°-40°	2123.3	43.4
0°-60°	3777.5	77.3
0°-90°	4887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1644	1644	1644	1644	1644	
5°	1644	1640	1640	1666	1682	157
15°	1619	1590	1586	1599	1606	455
25°	1512	1487	1503	1510	1512	691
35°	1321	1327	1320	1330	1327	829
45°	1129	1113	1115	1124	1132	876
55°	901	888	882	887	876	801
65°	651	628	638	621	596	634
75°	366	360	350	350	349	387
85°	110	108	103	100	97	122
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1643.9	1643.9	1643.9	1643.9	1643.9
2.5°	1649.7	1639.6	1652.6	1651.2	1649.7
5°	1643.9	1639.6	1639.6	1665.7	1681.7
7.5°	1639.6	1626.5	1616.3	1648.3	1652.6
10°	1630.8	1623.6	1614.9	1629.4	1639.6
12.5°	1636.7	1612.0	1612.0	1635.2	1645.4
15°	1619.2	1590.1	1585.8	1598.9	1606.1
17.5°	1587.2	1558.2	1584.3	1601.8	1582.9
20°	1556.7	1542.2	1550.9	1559.6	1580.0
22.5°	1527.6	1501.5	1505.8	1508.8	1510.2
25°	1511.7	1486.9	1502.9	1510.2	1511.7
27.5°	1459.3	1436.1	1449.2	1447.7	1471.0
30°	1421.5	1395.4	1417.2	1425.9	1401.2
32.5°	1366.3	1357.6	1361.9	1375.0	1372.1
35°	1321.2	1327.1	1319.8	1330.0	1327.1
37.5°	1277.6	1266.0	1279.1	1299.4	1277.6
40°	1229.7	1218.0	1228.2	1232.6	1212.2
42.5°	1207.9	1170.1	1162.8	1178.8	1157.0
45°	1129.4	1113.4	1114.8	1123.6	1132.3
47.5°	1072.7	1058.2	1061.1	1058.2	1058.2
50°	1026.2	1005.8	1002.9	1020.4	986.9
52.5°	953.5	947.7	946.2	946.2	937.5
55°	901.2	888.1	882.3	886.6	876.5
57.5°	827.1	821.2	821.2	815.4	808.2
60°	774.7	758.7	758.7	750.0	751.5
62.5°	700.6	693.3	697.7	691.9	671.5
65°	651.2	627.9	638.1	620.7	595.9
67.5°	572.7	569.8	556.7	549.4	540.7
70°	498.6	491.3	484.0	476.8	473.8
72.5°	431.7	427.3	427.3	408.4	407.0
75°	366.3	360.5	350.3	350.3	348.8
77.5°	302.3	296.5	286.3	280.5	279.1
80°	234.0	229.7	226.7	219.5	216.6
82.5°	170.1	167.2	165.7	158.4	162.8
85°	110.5	107.6	103.2	100.3	97.4
87.5°	52.3	50.9	49.4	45.1	46.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)