

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: P709211

Luminaire Tested: **14CGTS-L3C3-MED-4000K**

Issue Date: 9/13/2023

Test Information

Test Method: LM-79-08
Report Number: P709211
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-MED-4000K
Description: 1X4 CGT SELECTABLE AT 4000K, MED LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

Summary

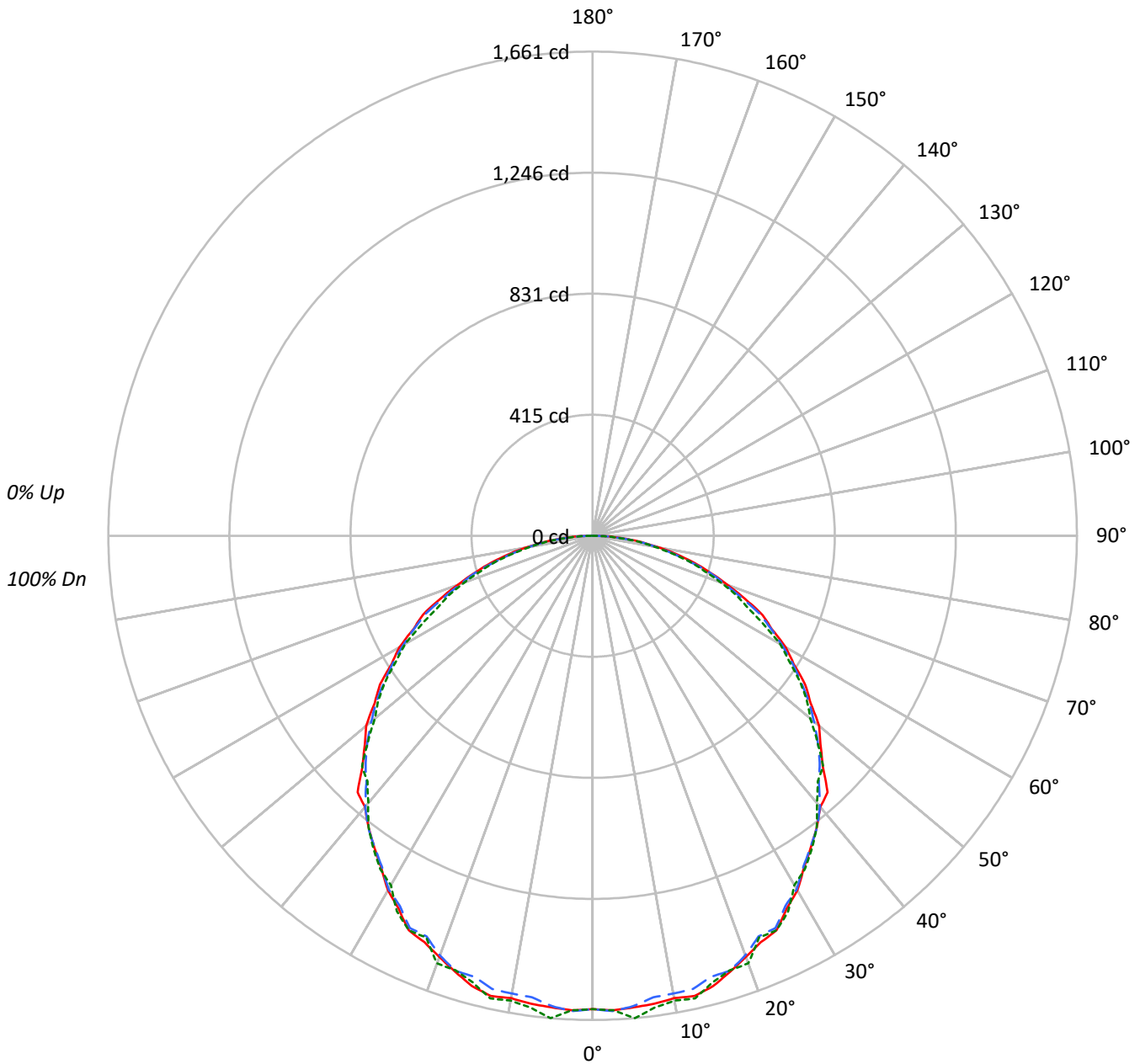
Lumens per Lamp: N/A
Luminaire Lumens: 4827.0 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.3
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

TEST NUMBER: P709211

CATALOG NUMBER: 14CGTS-L3C3-MED-4000K

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	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°	4369	4369	4369
5°	4386	4374	4487
10°	4401	4358	4425
15°	4455	4364	4420
20°	4403	4387	4469
25°	4433	4408	4433
30°	4363	4350	4300
35°	4287	4282	4306
40°	4267	4261	4206
45°	4245	4191	4256
50°	4243	4147	4081
55°	4176	4089	4061
60°	4118	4033	3994
65°	4096	4013	3748
70°	3874	3762	3682
75°	3762	3597	3583
80°	3581	3471	3315
85°	3369	3146	2970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	3.2
10°-20°	446.5	9.3
20°-30°	677.7	14.0
30°-40°	818.5	17.0
40°-50°	852.9	17.7
50°-60°	781.0	16.2
60°-70°	610.9	12.7
70°-80°	369.6	7.7
80°-90°	115.4	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°	1278.8	26.5
0°-40°	2097.2	43.4
0°-60°	3731.1	77.3
0°-90°	4827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4827.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1624	1624	1624	1624	1624	
5°	1624	1619	1619	1645	1661	155
15°	1599	1571	1566	1579	1586	449
25°	1493	1469	1484	1492	1493	683
35°	1305	1311	1304	1314	1311	818
45°	1116	1100	1101	1110	1118	865
55°	890	877	872	876	866	791
65°	643	620	630	613	589	626
75°	362	356	346	346	345	382
85°	109	106	102	99	96	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1623.7	1623.7	1623.7	1623.7	1623.7
2.5°	1629.5	1619.4	1632.4	1630.9	1629.5
5°	1623.7	1619.4	1619.4	1645.3	1661.1
7.5°	1619.4	1606.5	1596.5	1628.1	1632.4
10°	1610.8	1603.6	1595.0	1609.4	1619.4
12.5°	1616.6	1592.2	1592.2	1615.1	1625.2
15°	1599.3	1570.6	1566.3	1579.2	1586.4
17.5°	1567.8	1539.0	1564.9	1582.1	1563.4
20°	1537.6	1523.2	1531.9	1540.5	1560.6
22.5°	1508.9	1483.0	1487.4	1490.2	1491.7
25°	1493.1	1468.7	1484.5	1491.7	1493.1
27.5°	1441.4	1418.4	1431.4	1429.9	1452.9
30°	1404.1	1378.2	1399.8	1408.4	1384.0
32.5°	1349.5	1340.9	1345.2	1358.1	1355.3
35°	1305.0	1310.8	1303.6	1313.6	1310.8
37.5°	1262.0	1250.5	1263.4	1283.5	1262.0
40°	1214.6	1203.1	1213.1	1217.4	1197.4
42.5°	1193.0	1155.7	1148.5	1164.3	1142.8
45°	1115.5	1099.7	1101.2	1109.8	1118.4
47.5°	1059.5	1045.2	1048.0	1045.2	1045.2
50°	1013.6	993.5	990.6	1007.8	974.8
52.5°	941.8	936.1	934.6	934.6	926.0
55°	890.1	877.2	871.5	875.8	865.7
57.5°	816.9	811.2	811.2	805.4	798.2
60°	765.2	749.4	749.4	740.8	742.2
62.5°	692.0	684.8	689.1	683.4	663.3
65°	643.2	620.2	630.3	613.0	588.6
67.5°	565.7	562.8	549.9	542.7	534.1
70°	492.4	485.3	478.1	470.9	468.0
72.5°	426.4	422.1	422.1	403.4	402.0
75°	361.8	356.0	346.0	346.0	344.6
77.5°	298.6	292.9	282.8	277.1	275.6
80°	231.1	226.8	224.0	216.8	213.9
82.5°	168.0	165.1	163.7	156.5	160.8
85°	109.1	106.2	101.9	99.1	96.2
87.5°	51.7	50.2	48.8	44.5	45.9
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)