

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: P709205

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

Issue Date: 9/13/2023

Test Information

Test Method: LM-79-08
Report Number: P709205
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-4000K
Description: 1X4 CGT SELECTABLE AT 4000K, HIGH LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

Summary

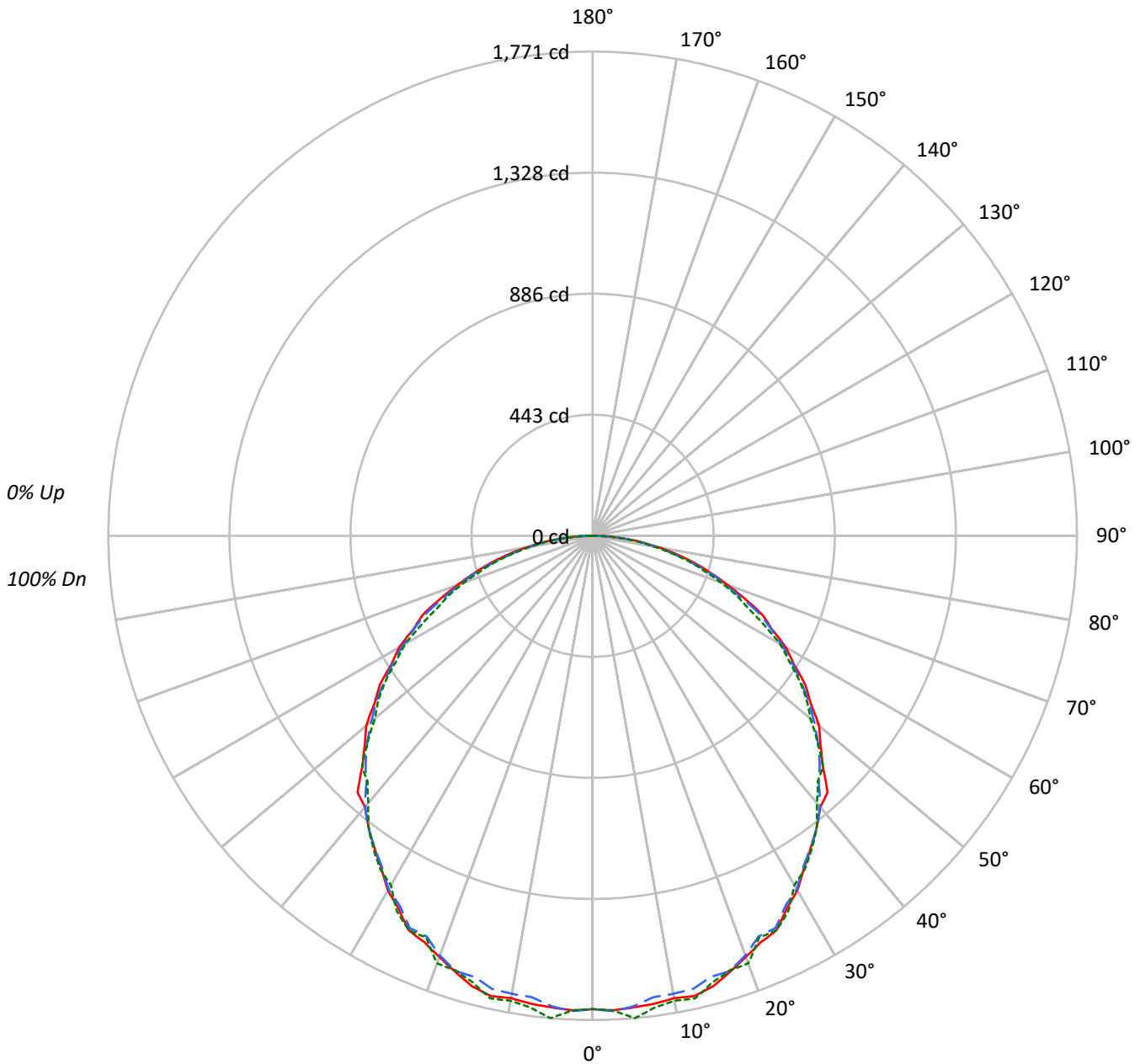
Lumens per Lamp: N/A
Luminaire Lumens: 5147.0 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.5
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°	4659	4659	4659
5°	4677	4665	4784
10°	4693	4647	4718
15°	4751	4653	4713
20°	4695	4678	4765
25°	4727	4700	4727
30°	4652	4638	4585
35°	4571	4566	4592
40°	4549	4544	4485
45°	4527	4469	4538
50°	4525	4422	4351
55°	4453	4359	4331
60°	4391	4301	4259
65°	4367	4279	3996
70°	4131	4011	3927
75°	4011	3836	3820
80°	3820	3701	3535
85°	3591	3356	3168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	3.2
10°-20°	476.1	9.3
20°-30°	722.7	14.0
30°-40°	872.7	17.0
40°-50°	909.4	17.7
50°-60°	832.8	16.2
60°-70°	651.3	12.7
70°-80°	394.1	7.7
80°-90°	123.1	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°	1363.5	26.5
0°-40°	2236.3	43.4
0°-60°	3978.5	77.3
0°-90°	5147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1731	1731	1731	1731	1731	
5°	1731	1727	1727	1754	1771	165
15°	1705	1675	1670	1684	1692	479
25°	1592	1566	1583	1591	1592	728
35°	1392	1398	1390	1401	1398	873
45°	1190	1173	1174	1183	1192	923
55°	949	935	929	934	923	844
65°	686	661	672	654	628	668
75°	386	380	369	369	367	407
85°	116	113	109	106	103	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1731.4	1731.4	1731.4	1731.4	1731.4
2.5°	1737.5	1726.8	1740.6	1739.0	1737.5
5°	1731.4	1726.8	1726.8	1754.4	1771.2
7.5°	1726.8	1713.0	1702.3	1736.0	1740.6
10°	1717.6	1710.0	1700.8	1716.1	1726.8
12.5°	1723.7	1697.7	1697.7	1722.2	1732.9
15°	1705.4	1674.7	1670.2	1683.9	1691.6
17.5°	1671.7	1641.1	1668.6	1687.0	1667.1
20°	1639.5	1624.2	1633.4	1642.6	1664.0
22.5°	1608.9	1581.4	1586.0	1589.0	1590.6
25°	1592.1	1566.1	1582.9	1590.6	1592.1
27.5°	1537.0	1512.5	1526.3	1524.7	1549.2
30°	1497.2	1469.6	1492.6	1501.8	1475.7
32.5°	1439.0	1429.8	1434.4	1448.2	1445.1
35°	1391.5	1397.7	1390.0	1400.7	1397.7
37.5°	1345.6	1333.4	1347.1	1368.6	1345.6
40°	1295.1	1282.9	1293.6	1298.2	1276.7
42.5°	1272.1	1232.3	1224.7	1241.5	1218.6
45°	1189.5	1172.6	1174.2	1183.3	1192.5
47.5°	1129.8	1114.5	1117.5	1114.5	1114.5
50°	1080.8	1059.3	1056.3	1074.7	1039.4
52.5°	1004.2	998.1	996.6	996.6	987.4
55°	949.1	935.3	929.2	933.8	923.1
57.5°	871.1	864.9	864.9	858.8	851.2
60°	815.9	799.1	799.1	789.9	791.4
62.5°	737.9	730.2	734.8	728.7	707.3
65°	685.8	661.3	672.0	653.7	627.6
67.5°	603.2	600.1	586.3	578.7	569.5
70°	525.1	517.4	509.8	502.1	499.1
72.5°	454.7	450.1	450.1	430.2	428.6
75°	385.8	379.7	368.9	368.9	367.4
77.5°	318.4	312.3	301.6	295.5	293.9
80°	246.5	241.9	238.8	231.2	228.1
82.5°	179.1	176.0	174.5	166.9	171.5
85°	116.3	113.3	108.7	105.6	102.6
87.5°	55.1	53.6	52.0	47.5	49.0
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)