

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: P601461

Luminaire Tested: 22CGSB-35-L950

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-35-L950
Description: 2x2 CGSB AT 3500lm 5000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

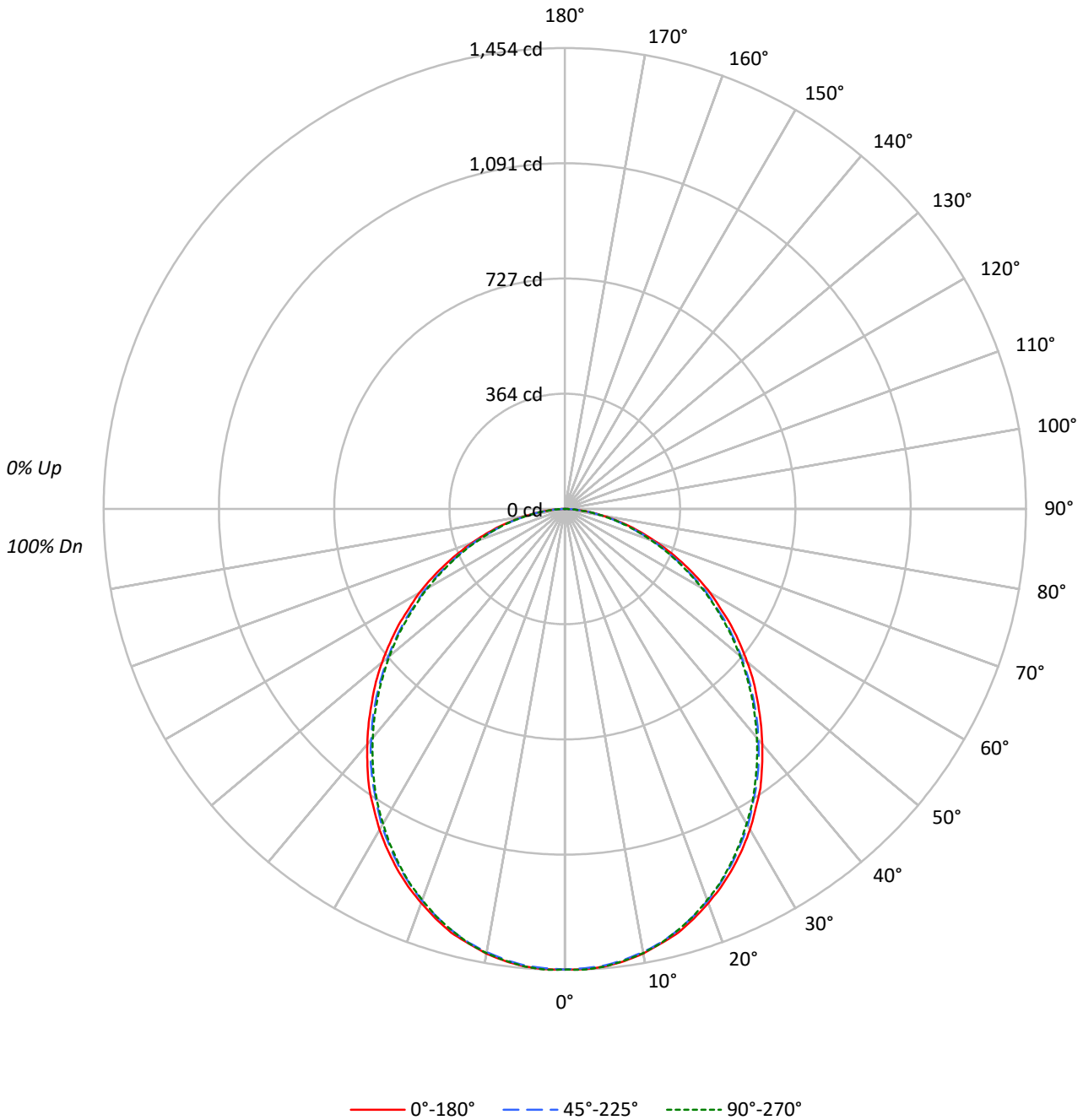
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3631.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
Input Voltage (V): 120
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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CATALOG NUMBER: 22CGSB-35-L950

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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3910	3910	3910
5°	3913	3905	3913
10°	3891	3879	3887
15°	3855	3834	3834
20°	3788	3767	3759
25°	3717	3683	3670
30°	3629	3584	3562
35°	3532	3466	3442
40°	3401	3335	3310
45°	3272	3194	3167
50°	3144	3041	3017
55°	3001	2892	2852
60°	2851	2726	2687
65°	2654	2525	2497
70°	2426	2334	2277
75°	2211	2076	2092
80°	1906	1795	1816
85°	1476	1430	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3272 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	3.8
10°-20°	388.1	10.7
20°-30°	571.6	15.7
30°-40°	661.2	18.2
40°-50°	650.1	17.9
50°-60°	554.0	15.3
60°-70°	396.9	10.9
70°-80°	215.6	5.9
80°-90°	56.2	1.5
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°	1096.9	30.2
0°-40°	1758.2	48.4
0°-60°	2962.2	81.6
0°-90°	3631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3631.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1453	1453	1453	1453	1453	
5°	1449	1446	1446	1446	1449	137
15°	1384	1378	1376	1375	1376	389
25°	1252	1246	1240	1237	1236	576
35°	1075	1067	1055	1049	1048	671
45°	860	854	839	832	832	664
55°	640	628	616	609	608	571
65°	417	408	396	392	392	413
75°	213	206	200	197	201	225
85°	48	48	46	45	43	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1453.0	1453.0	1453.0	1453.0	1453.0
2.5°	1453.0	1451.6	1450.1	1451.6	1454.5
5°	1448.7	1445.8	1445.8	1445.8	1448.7
7.5°	1438.6	1435.7	1434.2	1435.7	1437.1
10°	1424.1	1421.2	1419.7	1421.2	1422.6
12.5°	1403.8	1402.4	1400.9	1400.9	1402.4
15°	1383.6	1377.8	1376.3	1374.9	1376.3
17.5°	1354.6	1353.2	1347.4	1347.4	1347.4
20°	1322.8	1319.9	1315.5	1312.7	1312.7
22.5°	1289.5	1286.6	1279.4	1276.5	1277.9
25°	1251.9	1246.1	1240.3	1237.4	1235.9
27.5°	1211.3	1205.6	1196.9	1192.5	1192.5
30°	1167.9	1163.6	1153.5	1147.7	1146.2
32.5°	1120.2	1117.3	1102.8	1099.9	1099.9
35°	1075.3	1066.6	1055.0	1049.3	1047.8
37.5°	1021.8	1016.0	1004.4	997.2	995.7
40°	968.2	961.0	949.4	943.6	942.2
42.5°	914.7	907.4	895.8	888.6	887.2
45°	859.7	853.9	839.4	832.2	832.2
47.5°	807.6	796.0	783.0	777.2	775.7
50°	751.1	741.0	726.5	720.7	720.7
52.5°	694.7	687.4	671.5	668.6	665.7
55°	639.7	628.1	616.5	609.3	607.8
57.5°	580.3	570.2	558.6	552.8	552.8
60°	529.7	516.7	506.5	499.3	499.3
62.5°	471.8	460.2	450.1	445.8	444.3
65°	416.8	408.1	396.5	392.2	392.2
67.5°	361.8	354.6	344.4	340.1	341.6
70°	308.3	303.9	296.7	290.9	289.4
72.5°	259.1	253.3	246.0	244.6	244.6
75°	212.7	205.5	199.7	196.8	201.2
77.5°	165.0	160.6	157.7	156.3	157.7
80°	123.0	117.2	115.8	117.2	117.2
82.5°	85.4	82.5	81.0	81.0	81.0
85°	47.8	47.8	46.3	44.9	43.4
87.5°	18.8	18.8	20.3	20.3	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)