

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: P601451

Luminaire Tested: 22CGSB-30-L935

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601451
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-30-L935
Description: 2x2 CGSB AT 3000lm 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

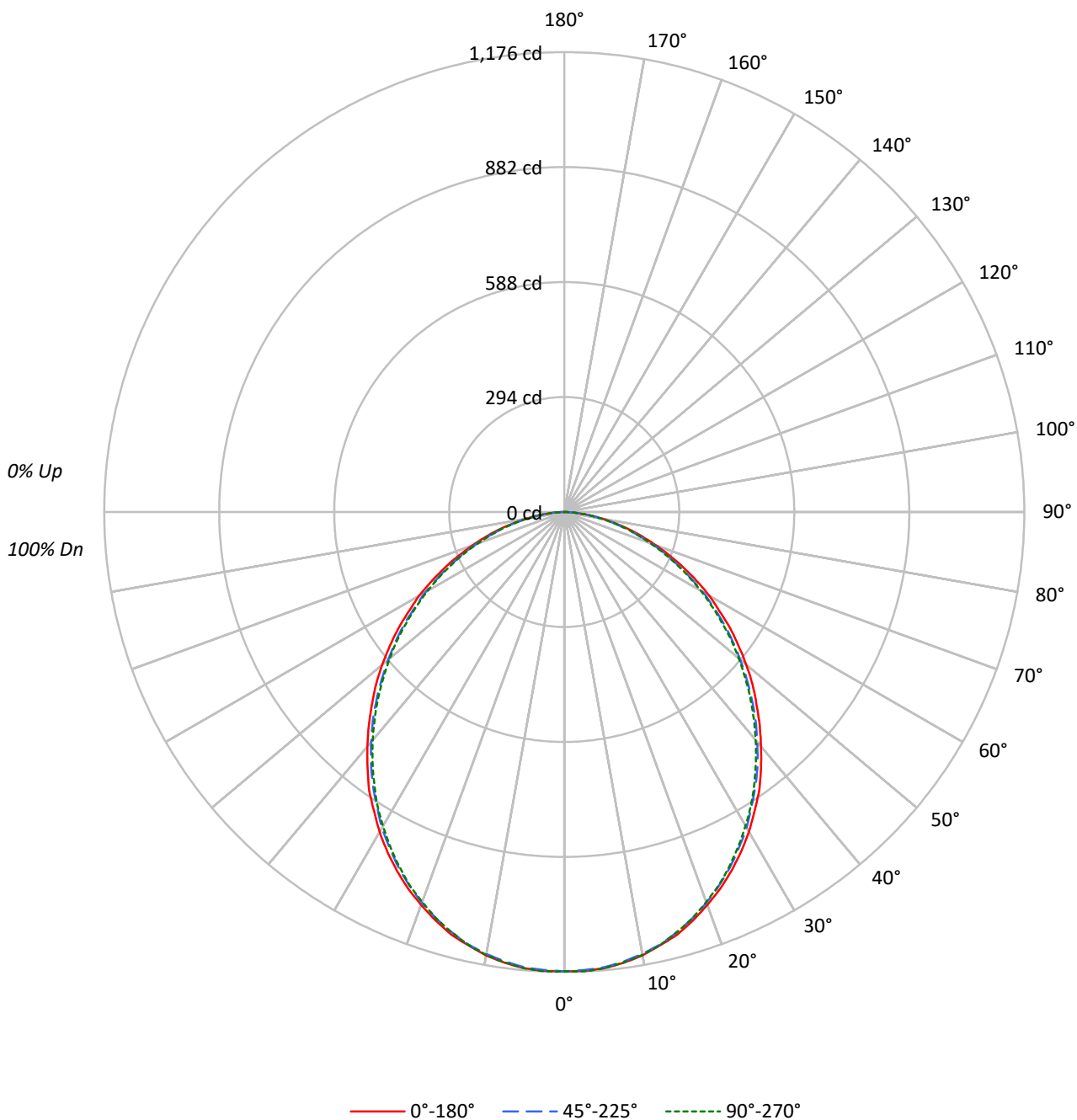
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2935.0 lumens
Efficiency: N/A
Efficacy: 117.9 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): 24.9
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

TEST NUMBER: P601451
CATALOG NUMBER: 22CGSB-30-L935

Luminous Intensity Polar Plot





TEST NUMBER: P601451
 CATALOG NUMBER: 22CGSB-30-L935

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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°	3161	3161	3161
5°	3163	3157	3163
10°	3145	3136	3142
15°	3116	3099	3099
20°	3062	3045	3038
25°	3004	2977	2966
30°	2934	2897	2879
35°	2855	2802	2782
40°	2749	2696	2675
45°	2645	2582	2560
50°	2542	2459	2439
55°	2426	2338	2305
60°	2305	2203	2172
65°	2145	2041	2018
70°	1961	1887	1841
75°	1788	1678	1691
80°	1540	1450	1469
85°	1192	1155	1084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2645 cd/sqm



TEST NUMBER: P601451
 CATALOG NUMBER: 22CGSB-30-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	3.8
10°-20°	313.7	10.7
20°-30°	462.0	15.7
30°-40°	534.5	18.2
40°-50°	525.5	17.9
50°-60°	447.8	15.3
60°-70°	320.9	10.9
70°-80°	174.3	5.9
80°-90°	45.5	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°	886.7	30.2
0°-40°	1421.2	48.4
0°-60°	2394.4	81.6
0°-90°	2935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1171	1169	1169	1169	1171	111
15°	1118	1114	1112	1111	1112	315
25°	1012	1007	1002	1000	999	466
35°	869	862	853	848	847	542
45°	695	690	678	673	673	537
55°	517	508	498	492	491	462
65°	337	330	320	317	317	334
75°	172	166	161	159	163	182
85°	39	39	37	36	35	47
90°	0	0	0	0	0	



TEST NUMBER: P601451
 CATALOG NUMBER: 22CGSB-30-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1174.5	1174.5	1174.5	1174.5	1174.5
2.5°	1174.5	1173.3	1172.2	1173.3	1175.7
5°	1171.0	1168.7	1168.7	1168.7	1171.0
7.5°	1162.8	1160.5	1159.3	1160.5	1161.6
10°	1151.1	1148.8	1147.6	1148.8	1149.9
12.5°	1134.7	1133.6	1132.4	1132.4	1133.6
15°	1118.4	1113.7	1112.5	1111.3	1112.5
17.5°	1095.0	1093.8	1089.1	1089.1	1089.1
20°	1069.2	1066.9	1063.4	1061.0	1061.0
22.5°	1042.3	1040.0	1034.1	1031.8	1033.0
25°	1011.9	1007.2	1002.5	1000.2	999.0
27.5°	979.2	974.5	967.5	963.9	963.9
30°	944.1	940.5	932.4	927.7	926.5
32.5°	905.5	903.1	891.4	889.1	889.1
35°	869.2	862.2	852.8	848.1	847.0
37.5°	825.9	821.2	811.9	806.0	804.8
40°	782.6	776.8	767.4	762.7	761.6
42.5°	739.3	733.5	724.1	718.3	717.1
45°	694.9	690.2	678.5	672.7	672.7
47.5°	652.8	643.4	632.9	628.2	627.0
50°	607.1	599.0	587.3	582.6	582.6
52.5°	561.5	555.7	542.8	540.5	538.1
55°	517.1	507.7	498.3	492.5	491.3
57.5°	469.1	460.9	451.6	446.9	446.9
60°	428.2	417.6	409.4	403.6	403.6
62.5°	381.4	372.0	363.8	360.3	359.1
65°	336.9	329.9	320.5	317.0	317.0
67.5°	292.5	286.6	278.4	274.9	276.1
70°	249.2	245.7	239.8	235.1	234.0
72.5°	209.4	204.7	198.9	197.7	197.7
75°	172.0	166.1	161.4	159.1	162.6
77.5°	133.4	129.9	127.5	126.3	127.5
80°	99.4	94.8	93.6	94.8	94.8
82.5°	69.0	66.7	65.5	65.5	65.5
85°	38.6	38.6	37.4	36.3	35.1
87.5°	15.2	15.2	16.4	16.4	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)