

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: P601453

Luminaire Tested: 22CGSB-30-L950

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601453
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-L950
Description: 2x2 CGSB AT 3000lm 5000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

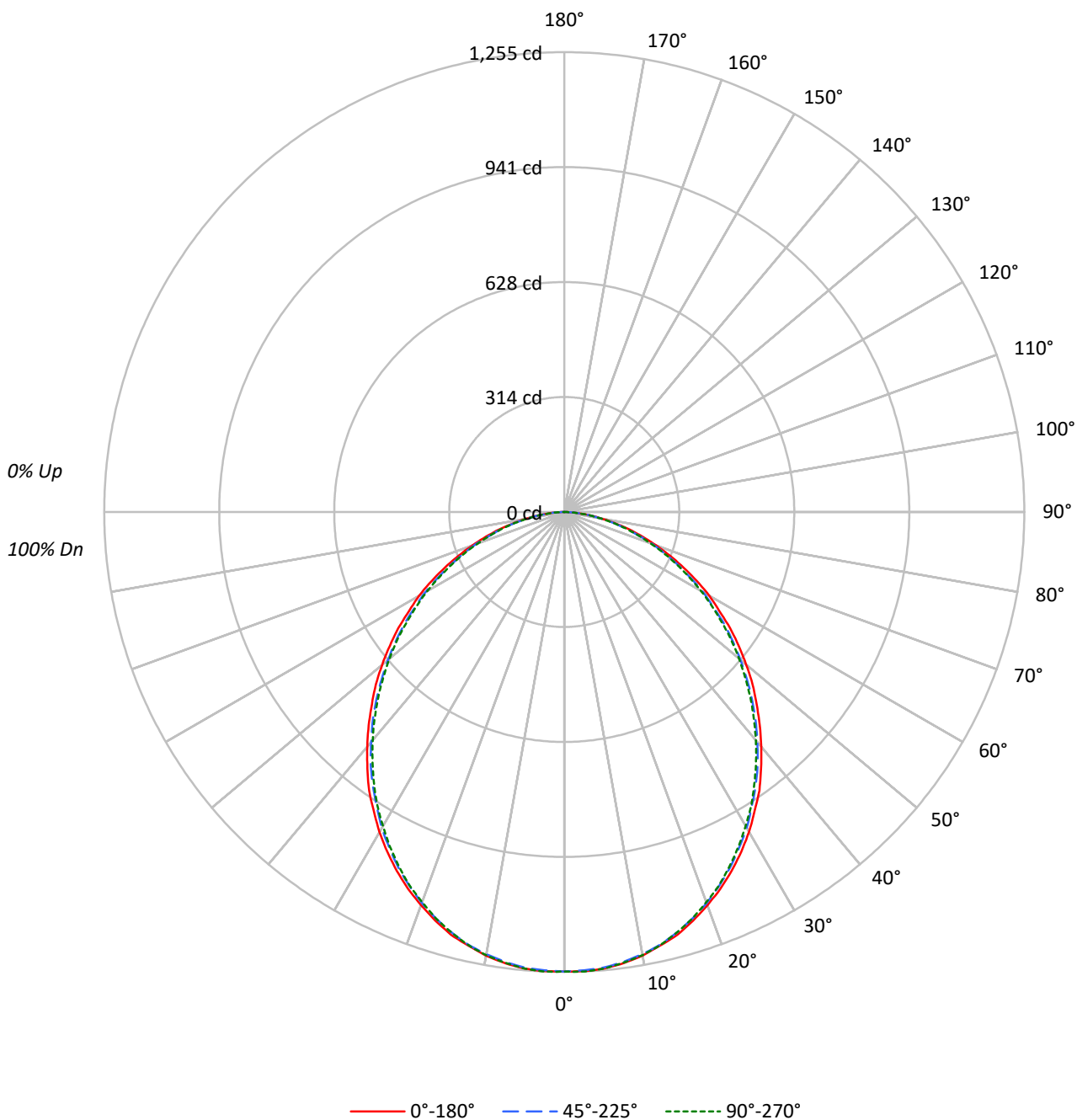
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3134.0 lumens
Efficiency: N/A
Efficacy: 125.9 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

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CATALOG NUMBER: 22CGSB-30-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°	3375	3375	3375
5°	3378	3371	3378
10°	3359	3348	3355
15°	3327	3309	3309
20°	3269	3252	3245
25°	3208	3178	3168
30°	3132	3094	3074
35°	3049	2991	2971
40°	2936	2878	2857
45°	2824	2757	2734
50°	2714	2625	2604
55°	2590	2496	2461
60°	2461	2353	2320
65°	2291	2180	2155
70°	2094	2015	1965
75°	1909	1792	1805
80°	1646	1548	1568
85°	1272	1235	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2824 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	3.8
10°-20°	335.0	10.7
20°-30°	493.4	15.7
30°-40°	570.7	18.2
40°-50°	561.1	17.9
50°-60°	478.2	15.3
60°-70°	342.6	10.9
70°-80°	186.1	5.9
80°-90°	48.5	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°	946.8	30.2
0°-40°	1517.5	48.4
0°-60°	2556.8	81.6
0°-90°	3134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1250	1248	1248	1248	1250	119
15°	1194	1189	1188	1187	1188	336
25°	1080	1076	1070	1068	1067	497
35°	928	921	911	906	904	579
45°	742	737	724	718	718	573
55°	552	542	532	526	525	493
65°	360	352	342	338	338	356
75°	184	177	172	170	174	194
85°	41	41	40	39	38	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.1	1254.1	1254.1	1254.1	<i>1254.1</i>
2.5°	<i>1254.1</i>	<i>1252.9</i>	<i>1251.7</i>	<i>1252.9</i>	<i>1255.4</i>
5°	1250.4	1247.9	1247.9	1247.9	<i>1250.4</i>
7.5°	1241.7	1239.2	1237.9	1239.2	<i>1240.4</i>
10°	1229.2	1226.7	1225.4	1226.7	<i>1227.9</i>
12.5°	1211.7	1210.4	1209.2	1209.2	<i>1210.4</i>
15°	1194.2	1189.2	1187.9	1186.7	<i>1187.9</i>
17.5°	1169.2	1168.0	1163.0	1163.0	<i>1163.0</i>
20°	1141.7	1139.2	1135.5	1133.0	<i>1133.0</i>
22.5°	1113.0	1110.5	1104.3	1101.8	<i>1103.0</i>
25°	1080.5	1075.5	1070.5	1068.0	<i>1066.8</i>
27.5°	1045.5	1040.5	1033.0	1029.3	<i>1029.3</i>
30°	1008.1	1004.3	995.6	990.6	<i>989.3</i>
32.5°	966.8	964.3	951.9	949.4	<i>949.4</i>
35°	928.1	920.6	910.6	905.6	<i>904.4</i>
37.5°	881.9	876.9	866.9	860.7	<i>859.4</i>
40°	835.7	829.4	819.4	814.4	<i>813.2</i>
42.5°	789.5	783.2	773.2	767.0	<i>765.7</i>
45°	742.0	737.0	724.5	718.3	<i>718.3</i>
47.5°	697.0	687.0	675.8	670.8	<i>669.5</i>
50°	648.3	639.6	627.1	622.1	<i>622.1</i>
52.5°	599.6	593.3	579.6	577.1	<i>574.6</i>
55°	552.1	542.1	532.1	525.9	<i>524.6</i>
57.5°	500.9	492.2	482.2	477.2	<i>477.2</i>
60°	457.2	445.9	437.2	431.0	<i>431.0</i>
62.5°	407.2	397.2	388.5	384.7	<i>383.5</i>
65°	359.8	352.3	342.3	338.5	<i>338.5</i>
67.5°	312.3	306.0	297.3	293.6	<i>294.8</i>
70°	266.1	262.3	256.1	251.1	<i>249.8</i>
72.5°	223.6	218.6	212.4	211.1	<i>211.1</i>
75°	183.6	177.4	172.4	169.9	<i>173.6</i>
77.5°	142.4	138.7	136.2	134.9	<i>136.2</i>
80°	106.2	101.2	99.9	101.2	<i>101.2</i>
82.5°	73.7	71.2	70.0	70.0	<i>70.0</i>
85°	41.2	41.2	40.0	38.7	<i>37.5</i>
87.5°	16.2	16.2	17.5	17.5	<i>18.7</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)