

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: P601455

Luminaire Tested: 22CGSB-35-L835

Issue Date: 1/24/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P601455  
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-L835  
Description: 2x2 CGSB AT 3500lm 3500K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

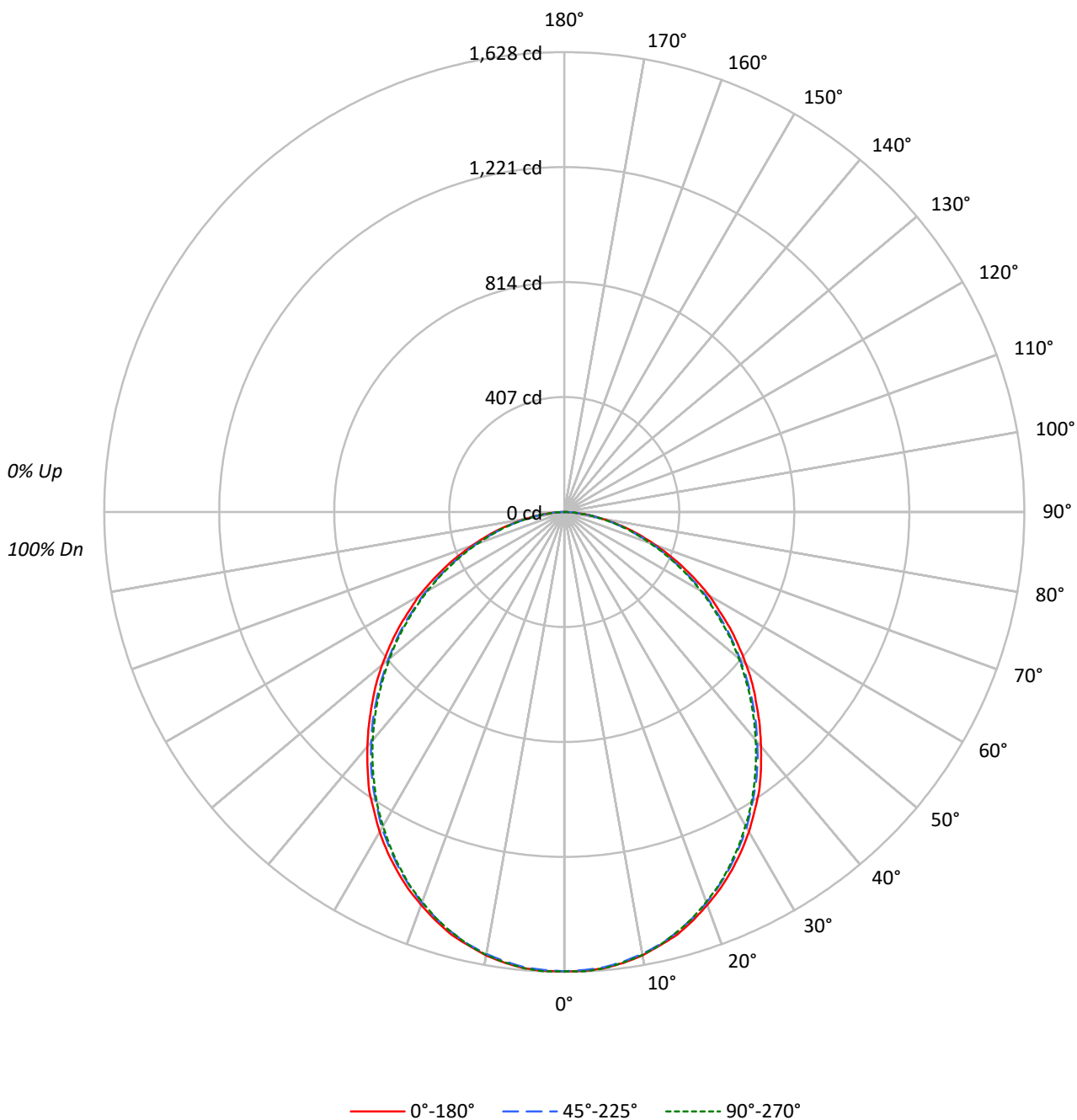
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4063.0 lumens  
Efficiency: N/A  
Efficacy: 139.1 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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### 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°	4375	4375	4375
5°	4379	4370	4379
10°	4354	4341	4350
15°	4313	4291	4291
20°	4239	4216	4206
25°	4159	4121	4106
30°	4061	4011	3985
35°	3953	3878	3852
40°	3806	3732	3704
45°	3661	3575	3544
50°	3519	3404	3376
55°	3358	3237	3191
60°	3190	3050	3007
65°	2970	2825	2795
70°	2714	2612	2548
75°	2476	2324	2340
80°	2134	2008	2033
85°	1649	1599	1501

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3661 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.6	3.8
10°-20°	434.3	10.7
20°-30°	639.6	15.7
30°-40°	739.9	18.2
40°-50°	727.4	17.9
50°-60°	619.9	15.3
60°-70°	444.2	10.9
70°-80°	241.2	5.9
80°-90°	62.9	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°	1227.5	30.2
0°-40°	1967.3	48.4
0°-60°	3314.7	81.6
0°-90°	4063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4063.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1626	1626	1626	1626	1626	
5°	1621	1618	1618	1618	1621	154
15°	1548	1542	1540	1538	1540	436
25°	1401	1394	1388	1385	1383	645
35°	1203	1194	1181	1174	1172	750
45°	962	956	939	931	931	743
55°	716	703	690	682	680	639
65°	466	457	444	439	439	462
75°	238	230	224	220	225	251
85°	53	53	52	50	49	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1625.9	1625.9	1625.9	1625.9	1625.9
2.5°	1625.9	1624.3	1622.7	1624.3	1627.5
5°	1621.1	1617.8	1617.8	1617.8	1621.1
7.5°	1609.7	1606.5	1604.9	1606.5	1608.1
10°	1593.5	1590.3	1588.7	1590.3	1591.9
12.5°	1570.9	1569.2	1567.6	1567.6	1569.2
15°	1548.2	1541.7	1540.1	1538.5	1540.1
17.5°	1515.8	1514.2	1507.7	1507.7	1507.7
20°	1480.2	1476.9	1472.1	1468.8	1468.8
22.5°	1442.9	1439.7	1431.6	1428.3	1430.0
25°	1400.8	1394.3	1387.9	1384.6	1383.0
27.5°	1355.5	1349.0	1339.3	1334.4	1334.4
30°	1306.9	1302.0	1290.7	1284.2	1282.6
32.5°	1253.4	1250.2	1234.0	1230.8	1230.8
35°	1203.2	1193.5	1180.6	1174.1	1172.5
37.5°	1143.3	1136.8	1123.9	1115.8	1114.2
40°	1083.4	1075.3	1062.3	1055.9	1054.3
42.5°	1023.5	1015.4	1002.4	994.3	992.7
45°	961.9	955.5	939.3	931.2	931.2
47.5°	903.6	890.7	876.1	869.6	868.0
50°	840.5	829.2	813.0	806.5	806.5
52.5°	777.3	769.2	751.4	748.2	744.9
55°	715.8	702.8	689.9	681.8	680.2
57.5°	649.4	638.1	625.1	618.6	618.6
60°	592.7	578.1	566.8	558.7	558.7
62.5°	527.9	515.0	503.6	498.8	497.2
65°	466.4	456.7	443.7	438.9	438.9
67.5°	404.9	396.8	385.4	380.6	382.2
70°	344.9	340.1	332.0	325.5	323.9
72.5°	289.9	283.4	275.3	273.7	273.7
75°	238.1	230.0	223.5	220.2	225.1
77.5°	184.6	179.8	176.5	174.9	176.5
80°	137.7	131.2	129.6	131.2	131.2
82.5°	95.5	92.3	90.7	90.7	90.7
85°	53.4	53.4	51.8	50.2	48.6
87.5°	21.1	21.1	22.7	22.7	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)