

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: P601495

Luminaire Tested: 22CGSB-60-L835

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601495
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-60-L835
Description: 2x2 CGSB AT 6000lm 3500K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

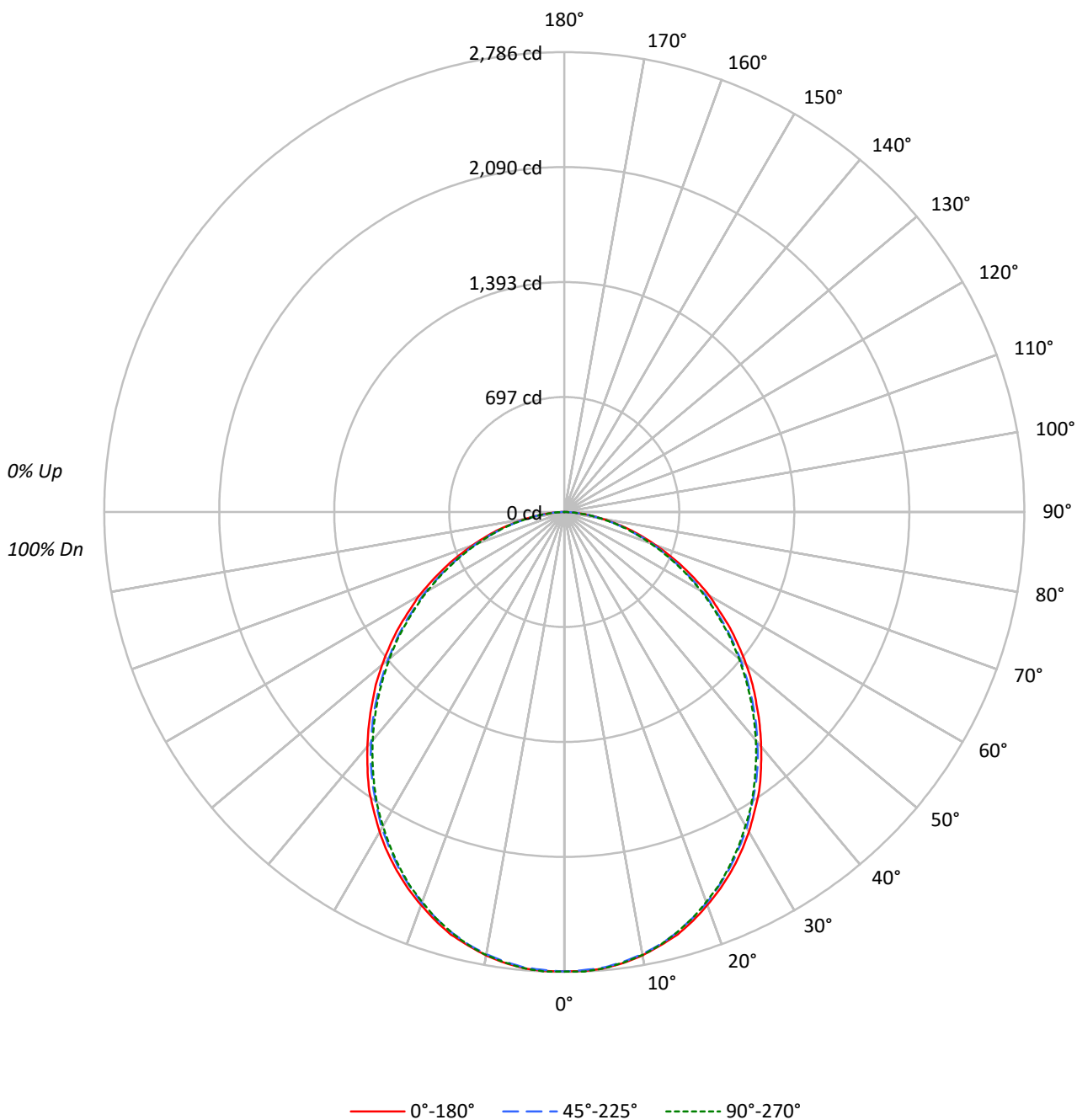
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6955.0 lumens
Efficiency: N/A
Efficacy: 129.8 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): 53.6
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°	7490	7490	7490
5°	7496	7481	7496
10°	7454	7431	7446
15°	7383	7344	7344
20°	7256	7216	7200
25°	7120	7054	7029
30°	6951	6865	6822
35°	6766	6639	6593
40°	6515	6388	6340
45°	6266	6119	6066
50°	6023	5826	5779
55°	5749	5540	5462
60°	5461	5222	5147
65°	5084	4837	4783
70°	4646	4471	4362
75°	4237	3978	4006
80°	3651	3437	3479
85°	2825	2739	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.9	3.8
10°-20°	743.4	10.7
20°-30°	1094.9	15.7
30°-40°	1266.5	18.2
40°-50°	1245.1	17.9
50°-60°	1061.2	15.3
60°-70°	760.3	10.9
70°-80°	412.9	5.9
80°-90°	107.7	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°	2101.1	30.2
0°-40°	3367.7	48.4
0°-60°	5674.0	81.6
0°-90°	6955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2783	2783	2783	2783	2783	
5°	2775	2769	2769	2769	2775	263
15°	2650	2639	2636	2634	2636	746
25°	2398	2387	2376	2370	2367	1104
35°	2060	2043	2021	2010	2007	1284
45°	1647	1636	1608	1594	1594	1272
55°	1225	1203	1181	1167	1164	1094
65°	798	782	760	751	751	791
75°	408	394	383	377	385	430
85°	92	92	89	86	83	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2783.2	2783.2	2783.2	2783.2	2783.2
2.5°	2783.2	2780.4	2777.7	2780.4	2786.0
5°	2774.9	2769.4	2769.4	2769.4	2774.9
7.5°	2755.5	2750.0	2747.2	2750.0	2752.7
10°	2727.8	2722.2	2719.5	2722.2	2725.0
12.5°	2689.0	2686.2	2683.4	2683.4	2686.2
15°	2650.2	2639.1	2636.3	2633.5	2636.3
17.5°	2594.7	2591.9	2580.9	2580.9	2580.9
20°	2533.7	2528.2	2519.9	2514.3	2514.3
22.5°	2470.0	2464.4	2450.6	2445.0	2447.8
25°	2397.9	2386.8	2375.7	2370.2	2367.4
27.5°	2320.3	2309.2	2292.6	2284.2	2284.2
30°	2237.1	2228.8	2209.4	2198.3	2195.5
32.5°	2145.6	2140.1	2112.4	2106.8	2106.8
35°	2059.7	2043.1	2020.9	2009.8	2007.0
37.5°	1957.1	1946.0	1923.9	1910.0	1907.2
40°	1854.6	1840.7	1818.5	1807.4	1804.7
42.5°	1752.0	1738.1	1715.9	1702.1	1699.3
45°	1646.6	1635.6	1607.8	1594.0	1594.0
47.5°	1546.8	1524.7	1499.7	1488.6	1485.9
50°	1438.7	1419.3	1391.6	1380.5	1380.5
52.5°	1330.6	1316.8	1286.3	1280.7	1275.2
55°	1225.3	1203.1	1180.9	1167.1	1164.3
57.5°	1111.6	1092.2	1070.0	1059.0	1059.0
60°	1014.6	989.7	970.2	956.4	956.4
62.5°	903.7	881.5	862.1	853.8	851.0
65°	798.4	781.7	759.6	751.2	751.2
67.5°	693.0	679.2	659.8	651.5	654.2
70°	590.5	582.1	568.3	557.2	554.4
72.5°	496.2	485.1	471.3	468.5	468.5
75°	407.5	393.6	382.6	377.0	385.3
77.5°	316.0	307.7	302.2	299.4	302.2
80°	235.6	224.5	221.8	224.5	224.5
82.5°	163.6	158.0	155.2	155.2	155.2
85°	91.5	91.5	88.7	85.9	83.2
87.5°	36.0	36.0	38.8	38.8	41.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)