

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: P601341

Luminaire Tested: 14CGSB-60-L950

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-233-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-60-L950
Description: 1x4 CGSB AT 6000lm 5000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

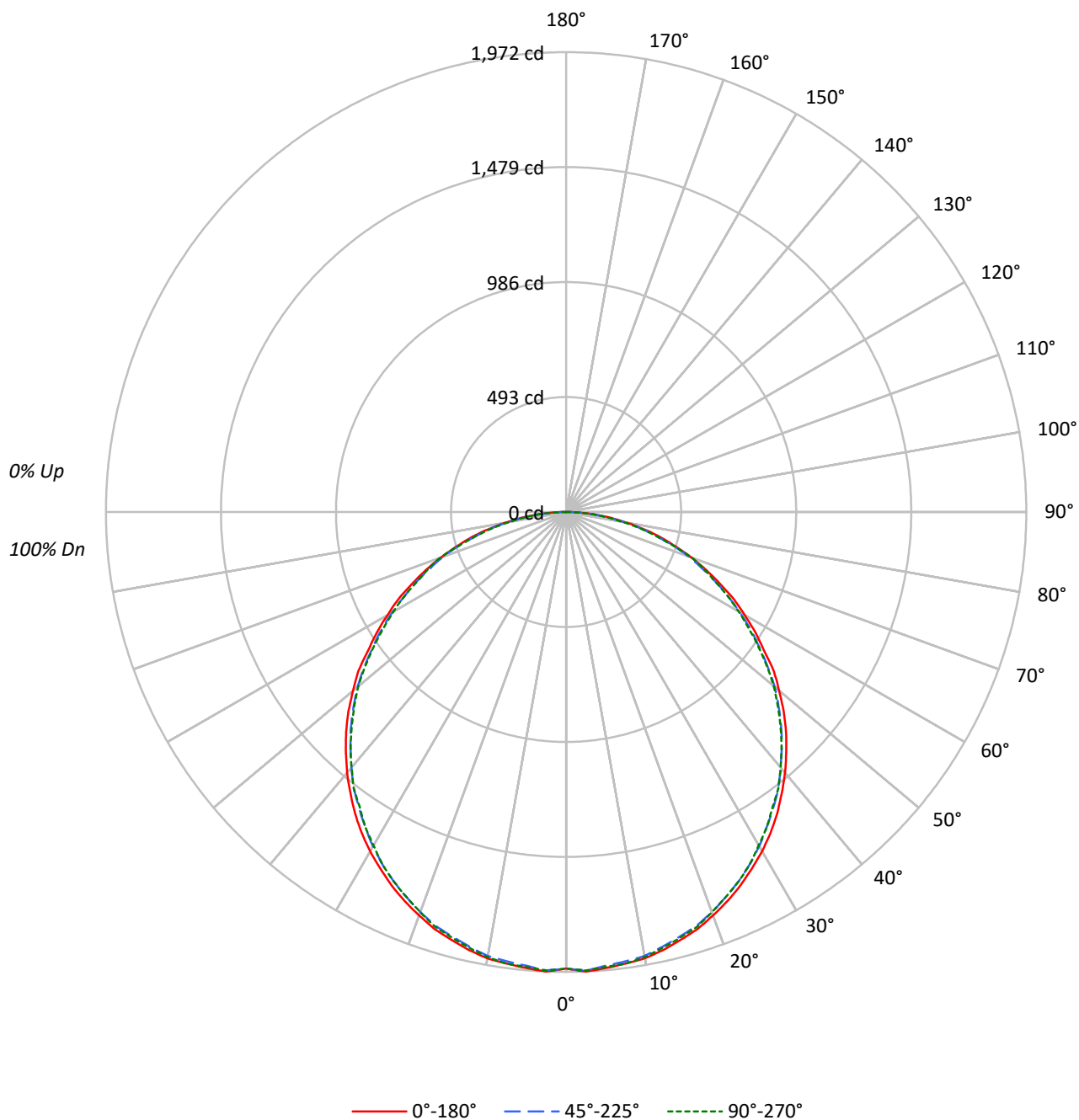
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5683.9 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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				0
RW	70	50	30	10	70	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		100
1	108	103	99	95	106	101	97	94	97	94	91		93	90	88		83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		69
3	90	79	71	64	87	77	70	63	74	68	62		71	66	61		58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		37
7	64	51	42	36	63	50	42	36	48	41	35		47	40	35		33
8	60	46	38	32	58	46	37	32	44	37	32		43	36	31		29
9	56	43	34	29	55	42	34	29	41	33	28		40	33	28		26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5268	5268	5268
5°	5302	5275	5289
10°	5310	5283	5296
15°	5291	5250	5264
20°	5271	5229	5229
25°	5248	5190	5190
30°	5219	5143	5128
35°	5181	5084	5068
40°	5128	5025	5025
45°	5073	4961	4942
50°	4987	4885	4865
55°	4856	4741	4718
60°	4756	4625	4598
65°	4632	4507	4476
70°	4494	4418	4533
75°	4366	4162	4162
80°	4085	4011	3859
85°	3770	3619	3619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	3.3
10°-20°	533.6	9.4
20°-30°	807.4	14.2
30°-40°	972.9	17.1
40°-50°	1010.3	17.8
50°-60°	909.8	16.0
60°-70°	703.0	12.4
70°-80°	428.3	7.5
80°-90°	132.4	2.3
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°	1527.2	26.9
0°-40°	2500.1	44.0
0°-60°	4420.2	77.8
0°-90°	5683.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5683.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1958	1958	1958	1958	1958	
5°	1963	1958	1953	1953	1958	187
15°	1899	1894	1885	1885	1889	536
25°	1767	1762	1748	1743	1748	814
35°	1577	1567	1548	1543	1543	986
45°	1333	1323	1304	1299	1299	1027
55°	1035	1025	1011	1006	1006	930
65°	728	713	708	698	703	721
75°	420	405	400	396	400	441
85°	122	122	117	112	117	138
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1972.4	1972.4	1967.6	1967.6	1967.6
5°	1962.7	1957.8	1952.9	1952.9	1957.8
7.5°	1952.9	1952.9	1943.1	1943.1	1952.9
10°	1943.1	1938.3	1933.4	1933.4	1938.3
12.5°	1923.6	1918.7	1909.0	1909.0	1913.8
15°	1899.2	1894.3	1884.6	1884.6	1889.4
17.5°	1874.8	1869.9	1860.1	1860.1	1865.0
20°	1840.6	1835.7	1826.0	1821.1	1826.0
22.5°	1806.4	1801.6	1786.9	1782.0	1786.9
25°	1767.4	1762.5	1747.9	1743.0	1747.9
27.5°	1723.4	1718.6	1703.9	1699.0	1703.9
30°	1679.5	1669.7	1655.1	1645.3	1650.2
32.5°	1630.7	1620.9	1601.4	1596.5	1601.4
35°	1577.0	1567.2	1547.7	1542.8	1542.8
37.5°	1518.4	1513.5	1494.0	1489.1	1494.0
40°	1459.8	1450.0	1430.5	1425.6	1430.5
42.5°	1396.3	1386.6	1367.0	1367.0	1367.0
45°	1332.9	1323.1	1303.6	1298.7	1298.7
47.5°	1264.5	1254.7	1235.2	1230.3	1230.3
50°	1191.3	1181.5	1166.9	1162.0	1162.0
52.5°	1122.9	1108.3	1088.7	1083.9	1083.9
55°	1035.0	1025.3	1010.6	1005.7	1005.7
57.5°	961.8	947.2	937.4	927.6	927.6
60°	883.7	869.0	859.3	854.4	854.4
62.5°	810.5	790.9	781.2	776.3	781.2
65°	727.5	712.8	707.9	698.2	703.0
67.5°	649.3	634.7	629.8	629.8	639.6
70°	571.2	556.6	561.5	546.8	576.1
72.5°	493.1	483.3	483.3	468.7	483.3
75°	419.9	405.2	400.3	395.5	400.3
77.5°	341.8	336.9	332.0	322.2	327.1
80°	263.6	273.4	258.8	244.1	249.0
82.5°	195.3	190.4	180.6	175.8	180.6
85°	122.1	122.1	117.2	112.3	117.2
87.5°	58.6	58.6	53.7	53.7	58.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)