

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: P601339

Luminaire Tested: 14CGSB-60-L935

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601339
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-L935
Description: 1x4 CGSB AT 6000lm 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

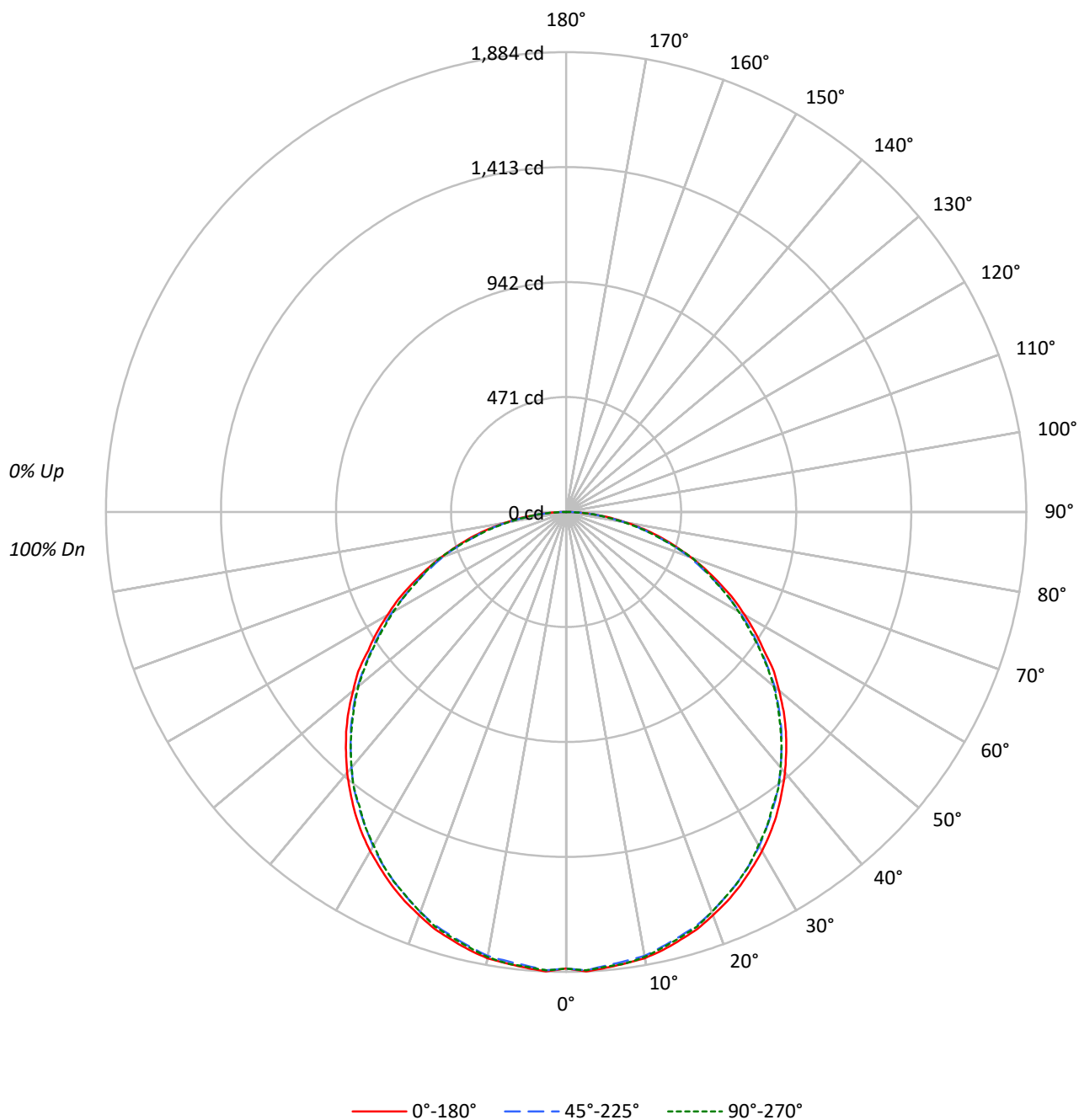
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5428.5 lumens
Efficiency: N/A
Efficacy: 79.5 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°	5032	5032	5032
5°	5064	5038	5051
10°	5071	5046	5058
15°	5053	5014	5027
20°	5034	4994	4994
25°	5012	4956	4956
30°	4984	4912	4897
35°	4948	4856	4841
40°	4898	4799	4799
45°	4845	4738	4720
50°	4763	4665	4646
55°	4638	4528	4506
60°	4542	4417	4392
65°	4424	4305	4275
70°	4293	4219	4329
75°	4169	3976	3976
80°	3902	3829	3685
85°	3600	3455	3455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.8	3.3
10°-20°	509.6	9.4
20°-30°	771.1	14.2
30°-40°	929.2	17.1
40°-50°	964.9	17.8
50°-60°	868.9	16.0
60°-70°	671.4	12.4
70°-80°	409.1	7.5
80°-90°	126.5	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°	1458.6	26.9
0°-40°	2387.8	44.0
0°-60°	4221.5	77.8
0°-90°	5428.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5428.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1870	1870	1870	1870	1870	
5°	1874	1870	1865	1865	1870	178
15°	1814	1809	1800	1800	1804	512
25°	1688	1683	1669	1665	1669	778
35°	1506	1497	1478	1474	1474	942
45°	1273	1264	1245	1240	1240	981
55°	988	979	965	960	960	888
65°	695	681	676	667	671	689
75°	401	387	382	378	382	421
85°	117	117	112	107	112	132
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1869.8	1869.8	1869.8	1869.8	1869.8
2.5°	1883.8	1883.8	1879.1	1879.1	1879.1
5°	1874.5	1869.8	1865.1	1865.1	1869.8
7.5°	1865.1	1865.1	1855.8	1855.8	1865.1
10°	1855.8	1851.1	1846.5	1846.5	1851.1
12.5°	1837.2	1832.5	1823.2	1823.2	1827.8
15°	1813.8	1809.2	1799.9	1799.9	1804.5
17.5°	1790.5	1785.9	1776.5	1776.5	1781.2
20°	1757.9	1753.2	1743.9	1739.2	1743.9
22.5°	1725.2	1720.6	1706.6	1701.9	1706.6
25°	1687.9	1683.3	1669.3	1664.6	1669.3
27.5°	1646.0	1641.3	1627.3	1622.7	1627.3
30°	1604.0	1594.7	1580.7	1571.4	1576.0
32.5°	1557.4	1548.1	1529.4	1524.7	1529.4
35°	1506.1	1496.8	1478.1	1473.5	1473.5
37.5°	1450.1	1445.5	1426.8	1422.2	1426.8
40°	1394.2	1384.9	1366.2	1361.5	1366.2
42.5°	1333.6	1324.2	1305.6	1305.6	1305.6
45°	1273.0	1263.6	1245.0	1240.3	1240.3
47.5°	1207.7	1198.3	1179.7	1175.0	1175.0
50°	1137.7	1128.4	1114.4	1109.8	1109.8
52.5°	1072.5	1058.5	1039.8	1035.1	1035.1
55°	988.5	979.2	965.2	960.5	960.5
57.5°	918.6	904.6	895.3	885.9	885.9
60°	844.0	830.0	820.7	816.0	816.0
62.5°	774.0	755.4	746.1	741.4	746.1
65°	694.8	680.8	676.1	666.8	671.4
67.5°	620.2	606.2	601.5	601.5	610.8
70°	545.6	531.6	536.2	522.2	550.2
72.5°	470.9	461.6	461.6	447.6	461.6
75°	401.0	387.0	382.4	377.7	382.4
77.5°	326.4	321.7	317.1	307.7	312.4
80°	251.8	261.1	247.1	233.1	237.8
82.5°	186.5	181.9	172.5	167.9	172.5
85°	116.6	116.6	111.9	107.2	111.9
87.5°	56.0	56.0	51.3	51.3	56.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)