

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: P601338

Luminaire Tested: 14CGSB-60-L930

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601338
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-L930
Description: 1x4 CGSB AT 6000lm 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

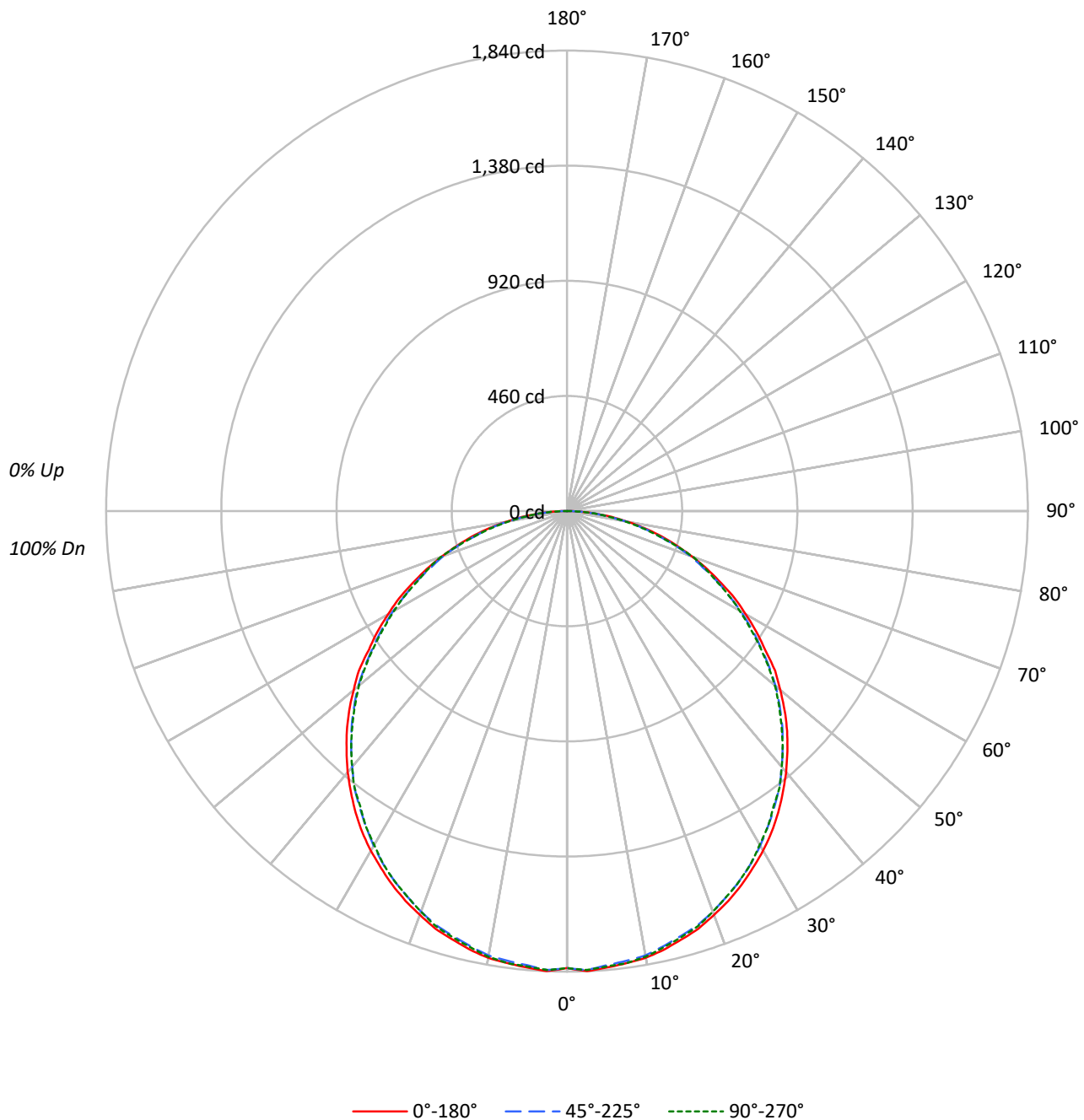
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5300.8 lumens
Efficiency: N/A
Efficacy: 77.6 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

TEST NUMBER: P601338
CATALOG NUMBER: 14CGSB-60-L930

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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	108	103	99	95	106	101	97	94		97	94	91		93	90	88		89	87	85
2	98	90	83	77	96	88	82	76		84	79	74		81	77	73		78	74	71
3	90	79	71	64	87	77	70	63		74	68	62		71	66	61		69	64	60
4	82	70	61	54	80	68	60	54		66	59	53		64	57	52		61	56	51
5	75	62	53	46	73	61	53	46		59	51	46		57	50	45		55	49	45
6	70	56	47	41	68	55	47	40		53	46	40		52	45	40		50	44	39
7	64	51	42	36	63	50	42	36		48	41	35		47	40	35		46	39	35
8	60	46	38	32	58	46	37	32		44	37	32		43	36	31		42	36	31
9	56	43	34	29	55	42	34	29		41	33	28		40	33	28		39	33	28
10	53	39	31	26	51	39	31	26		38	31	26		37	30	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4913	4913	4913
5°	4944	4920	4932
10°	4952	4927	4939
15°	4934	4896	4909
20°	4916	4877	4877
25°	4894	4840	4840
30°	4867	4796	4782
35°	4831	4741	4727
40°	4782	4686	4686
45°	4730	4626	4609
50°	4651	4556	4536
55°	4529	4422	4400
60°	4435	4313	4288
65°	4320	4204	4174
70°	4191	4120	4227
75°	4072	3882	3882
80°	3811	3739	3598
85°	3514	3375	3375

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4730 cd/sqm

TEST NUMBER: P601338
 CATALOG NUMBER: 14CGSB-60-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	3.3
10°-20°	497.6	9.4
20°-30°	753.0	14.2
30°-40°	907.3	17.1
40°-50°	942.2	17.8
50°-60°	848.4	16.0
60°-70°	655.6	12.4
70°-80°	399.5	7.5
80°-90°	123.5	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°	1424.3	26.9
0°-40°	2331.6	44.0
0°-60°	4122.2	77.8
0°-90°	5300.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5300.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1826	1826	1826	1826	1826	
5°	1830	1826	1821	1821	1826	174
15°	1771	1767	1758	1758	1762	500
25°	1648	1644	1630	1626	1630	760
35°	1471	1462	1443	1439	1439	920
45°	1243	1234	1216	1211	1211	958
55°	965	956	942	938	938	867
65°	678	665	660	651	656	673
75°	392	378	373	369	373	411
85°	114	114	109	105	109	129
90°	0	0	0	0	0	

TEST NUMBER: P601338

CATALOG NUMBER: 14CGSB-60-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1825.8	1825.8	1825.8	1825.8	1825.8
2.5°	1839.5	1839.5	1834.9	1834.9	1834.9
5°	1830.4	1825.8	1821.2	1821.2	1825.8
7.5°	1821.2	1821.2	1812.1	1812.1	1821.2
10°	1812.1	1807.6	1803.0	1803.0	1807.6
12.5°	1793.9	1789.4	1780.3	1780.3	1784.8
15°	1771.2	1766.6	1757.5	1757.5	1762.1
17.5°	1748.4	1743.8	1734.7	1734.7	1739.3
20°	1716.5	1712.0	1702.9	1698.3	1702.9
22.5°	1684.7	1680.1	1666.4	1661.9	1666.4
25°	1648.2	1643.7	1630.0	1625.5	1630.0
27.5°	1607.3	1602.7	1589.0	1584.5	1589.0
30°	1566.3	1557.2	1543.5	1534.4	1539.0
32.5°	1520.7	1511.6	1493.4	1488.9	1493.4
35°	1470.7	1461.6	1443.3	1438.8	1438.8
37.5°	1416.0	1411.5	1393.3	1388.7	1393.3
40°	1361.4	1352.3	1334.1	1329.5	1334.1
42.5°	1302.2	1293.1	1274.9	1274.9	1274.9
45°	1243.0	1233.9	1215.7	1211.1	1211.1
47.5°	1179.3	1170.2	1151.9	1147.4	1147.4
50°	1111.0	1101.9	1088.2	1083.6	1083.6
52.5°	1047.2	1033.6	1015.3	1010.8	1010.8
55°	965.3	956.2	942.5	937.9	937.9
57.5°	897.0	883.3	874.2	865.1	865.1
60°	824.1	810.5	801.3	796.8	796.8
62.5°	755.8	737.6	728.5	723.9	728.5
65°	678.4	664.8	660.2	651.1	655.6
67.5°	605.6	591.9	587.4	587.4	596.5
70°	532.7	519.1	523.6	509.9	537.3
72.5°	459.9	450.8	450.8	437.1	450.8
75°	391.6	377.9	373.4	368.8	373.4
77.5°	318.7	314.2	309.6	300.5	305.1
80°	245.9	255.0	241.3	227.7	232.2
82.5°	182.1	177.6	168.5	163.9	168.5
85°	113.8	113.8	109.3	104.7	109.3
87.5°	54.6	54.6	50.1	50.1	54.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)