

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: P601282

Luminaire Tested: 14CGSB-25-L930

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601282
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-25-L930
Description: 1x4 CGSB AT 2500lm 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

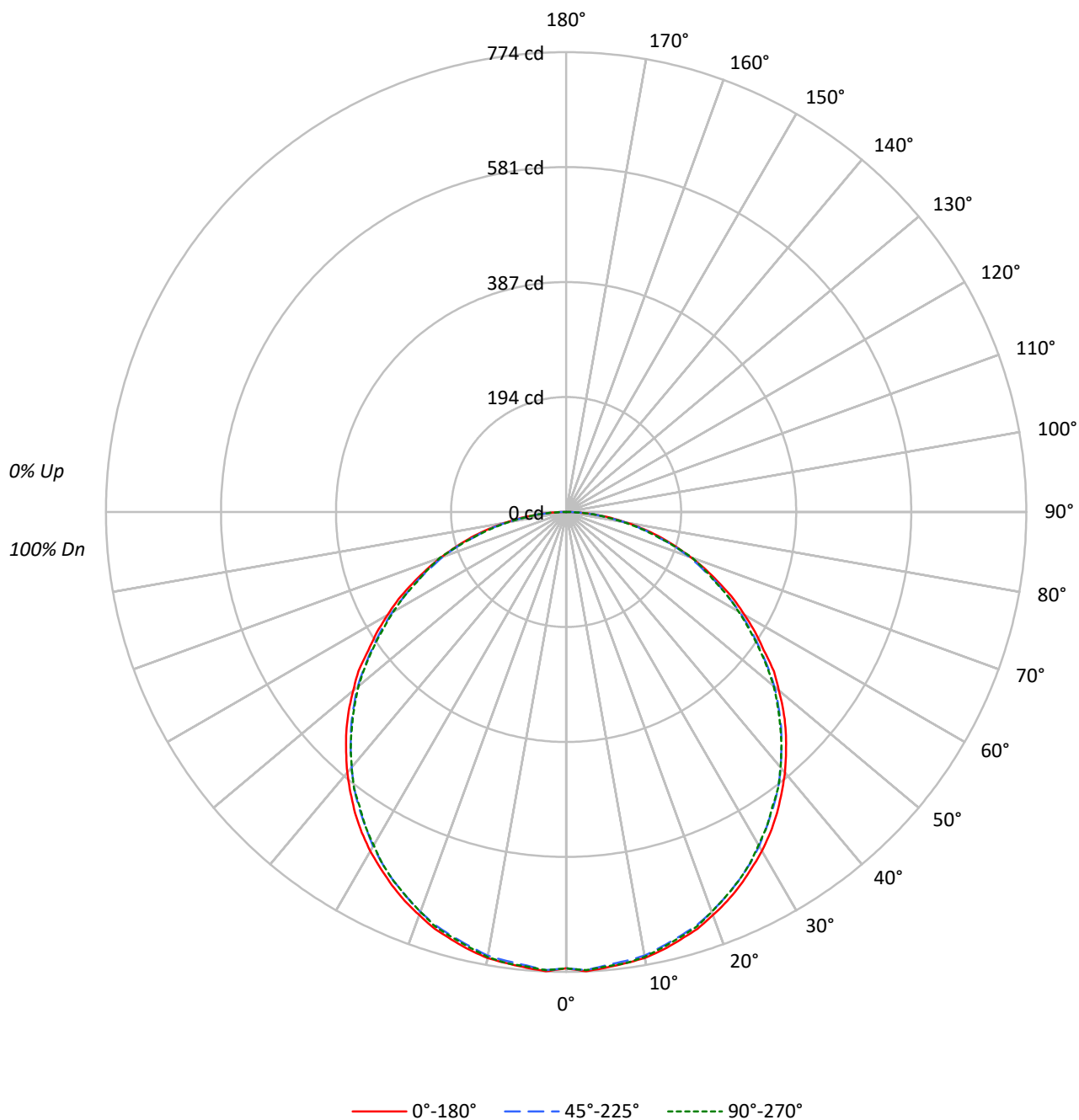
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2229.2 lumens
Efficiency: N/A
Efficacy: 77.9 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): 28.6
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					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°	2066	2066	2066
5°	2079	2069	2074
10°	2082	2072	2077
15°	2075	2059	2064
20°	2067	2051	2051
25°	2058	2035	2035
30°	2047	2017	2011
35°	2032	1994	1988
40°	2011	1971	1971
45°	1989	1945	1938
50°	1956	1916	1908
55°	1904	1860	1850
60°	1865	1814	1803
65°	1817	1768	1755
70°	1762	1733	1777
75°	1712	1632	1632
80°	1602	1573	1514
85°	1479	1420	1420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1989 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	3.3
10°-20°	209.3	9.4
20°-30°	316.7	14.2
30°-40°	381.6	17.1
40°-50°	396.2	17.8
50°-60°	356.8	16.0
60°-70°	275.7	12.4
70°-80°	168.0	7.5
80°-90°	51.9	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°	599.0	26.9
0°-40°	980.5	44.0
0°-60°	1733.5	77.8
0°-90°	2229.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	770	768	766	766	768	73
15°	745	743	739	739	741	210
25°	693	691	686	684	686	319
35°	618	615	607	605	605	387
45°	523	519	511	509	509	403
55°	406	402	396	394	394	365
65°	285	280	278	274	276	283
75°	165	159	157	155	157	173
85°	48	48	46	44	46	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	767.8	767.8	767.8	767.8	767.8
2.5°	773.6	773.6	771.7	771.7	771.7
5°	769.7	767.8	765.9	765.9	767.8
7.5°	765.9	765.9	762.1	762.1	765.9
10°	762.1	760.2	758.2	758.2	760.2
12.5°	754.4	752.5	748.7	748.7	750.6
15°	744.8	742.9	739.1	739.1	741.0
17.5°	735.3	733.4	729.5	729.5	731.4
20°	721.9	720.0	716.1	714.2	716.1
22.5°	708.5	706.5	700.8	698.9	700.8
25°	693.1	691.2	685.5	683.6	685.5
27.5°	675.9	674.0	668.3	666.3	668.3
30°	658.7	654.9	649.1	645.3	647.2
32.5°	639.5	635.7	628.0	626.1	628.0
35°	618.5	614.6	607.0	605.1	605.1
37.5°	595.5	593.6	585.9	584.0	585.9
40°	572.5	568.7	561.0	559.1	561.0
42.5°	547.6	543.8	536.1	536.1	536.1
45°	522.7	518.9	511.2	509.3	509.3
47.5°	495.9	492.1	484.4	482.5	482.5
50°	467.2	463.4	457.6	455.7	455.7
52.5°	440.4	434.7	427.0	425.1	425.1
55°	405.9	402.1	396.4	394.4	394.4
57.5°	377.2	371.5	367.6	363.8	363.8
60°	346.6	340.8	337.0	335.1	335.1
62.5°	317.9	310.2	306.4	304.4	306.4
65°	285.3	279.6	277.6	273.8	275.7
67.5°	254.7	248.9	247.0	247.0	250.8
70°	224.0	218.3	220.2	214.5	225.9
72.5°	193.4	189.6	189.6	183.8	189.6
75°	164.7	158.9	157.0	155.1	157.0
77.5°	134.0	132.1	130.2	126.4	128.3
80°	103.4	107.2	101.5	95.7	97.7
82.5°	76.6	74.7	70.8	68.9	70.8
85°	47.9	47.9	46.0	44.0	46.0
87.5°	23.0	23.0	21.1	21.1	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)