

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: P601291

Luminaire Tested: 14CGSB-30-L935

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601291
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-30-L935
Description: 1x4 CGSB AT 3000lm 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

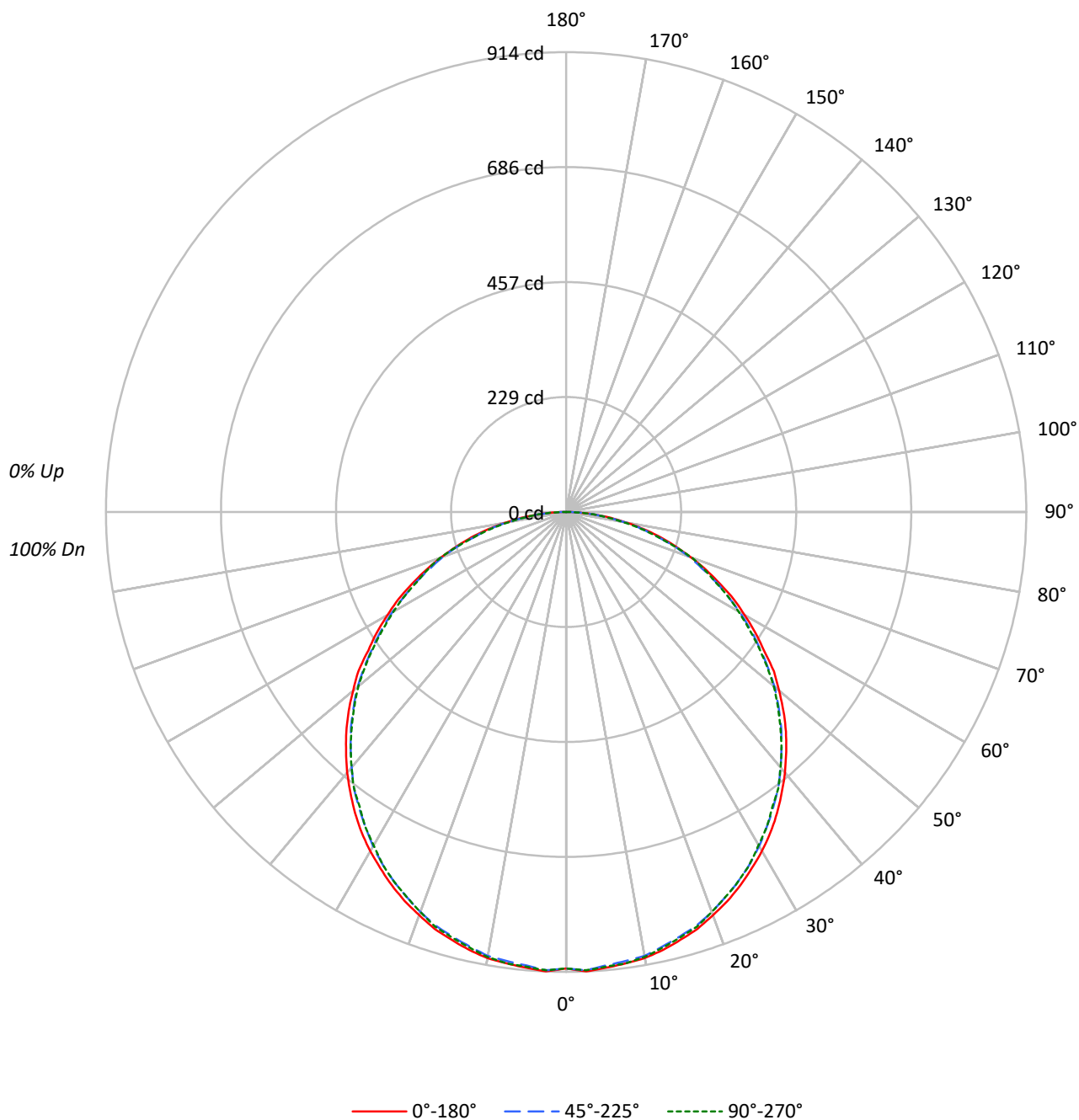
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2633.2 lumens
Efficiency: N/A
Efficacy: 80.5 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): 32.7
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: P601291
CATALOG NUMBER: 14CGSB-30-L935

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°	2441	2441	2441
5°	2456	2444	2450
10°	2460	2447	2454
15°	2451	2432	2439
20°	2442	2422	2422
25°	2431	2404	2404
30°	2418	2383	2376
35°	2400	2355	2348
40°	2376	2328	2328
45°	2350	2298	2290
50°	2310	2263	2254
55°	2250	2197	2186
60°	2203	2143	2130
65°	2146	2089	2074
70°	2082	2046	2100
75°	2022	1929	1929
80°	1892	1858	1788
85°	1744	1677	1677

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2350 cd/sqm

TEST NUMBER: P601291
 CATALOG NUMBER: 14CGSB-30-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	3.3
10°-20°	247.2	9.4
20°-30°	374.1	14.2
30°-40°	450.7	17.1
40°-50°	468.0	17.8
50°-60°	421.5	16.0
60°-70°	325.7	12.4
70°-80°	198.4	7.5
80°-90°	61.3	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°	707.5	26.9
0°-40°	1158.3	44.0
0°-60°	2047.8	77.8
0°-90°	2633.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2633.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	909	907	905	905	907	86
15°	880	878	873	873	875	248
25°	819	816	810	808	810	377
35°	731	726	717	715	715	457
45°	618	613	604	602	602	476
55°	480	475	468	466	466	431
65°	337	330	328	323	326	334
75°	194	188	186	183	186	204
85°	56	56	54	52	54	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	907.0	907.0	907.0	907.0	907.0
2.5°	913.8	913.8	911.5	911.5	911.5
5°	909.3	907.0	904.7	904.7	907.0
7.5°	904.7	904.7	900.2	900.2	904.7
10°	900.2	898.0	895.7	895.7	898.0
12.5°	891.2	888.9	884.4	884.4	886.6
15°	879.9	877.6	873.1	873.1	875.3
17.5°	868.5	866.3	861.8	861.8	864.0
20°	852.7	850.5	845.9	843.7	845.9
22.5°	836.9	834.6	827.8	825.6	827.8
25°	818.8	816.5	809.7	807.5	809.7
27.5°	798.4	796.2	789.4	787.1	789.4
30°	778.1	773.6	766.8	762.2	764.5
32.5°	755.5	750.9	741.9	739.6	741.9
35°	730.6	726.1	717.0	714.7	714.7
37.5°	703.4	701.2	692.1	689.9	692.1
40°	676.3	671.8	662.7	660.5	662.7
42.5°	646.9	642.4	633.3	633.3	633.3
45°	617.5	613.0	603.9	601.7	601.7
47.5°	585.8	581.3	572.2	570.0	570.0
50°	551.9	547.4	540.6	538.3	538.3
52.5°	520.2	513.4	504.4	502.1	502.1
55°	479.5	475.0	468.2	465.9	465.9
57.5°	445.6	438.8	434.3	429.8	429.8
60°	409.4	402.6	398.1	395.8	395.8
62.5°	375.5	366.4	361.9	359.6	361.9
65°	337.0	330.2	328.0	323.4	325.7
67.5°	300.8	294.0	291.8	291.8	296.3
70°	264.6	257.9	260.1	253.3	266.9
72.5°	228.4	223.9	223.9	217.1	223.9
75°	194.5	187.7	185.5	183.2	185.5
77.5°	158.3	156.1	153.8	149.3	151.5
80°	122.1	126.7	119.9	113.1	115.4
82.5°	90.5	88.2	83.7	81.4	83.7
85°	56.5	56.5	54.3	52.0	54.3
87.5°	27.1	27.1	24.9	24.9	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)