

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: P601292

Luminaire Tested: 14CGSB-30-L940

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601292
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-L940
Description: 1x4 CGSB AT 3000lm 4000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

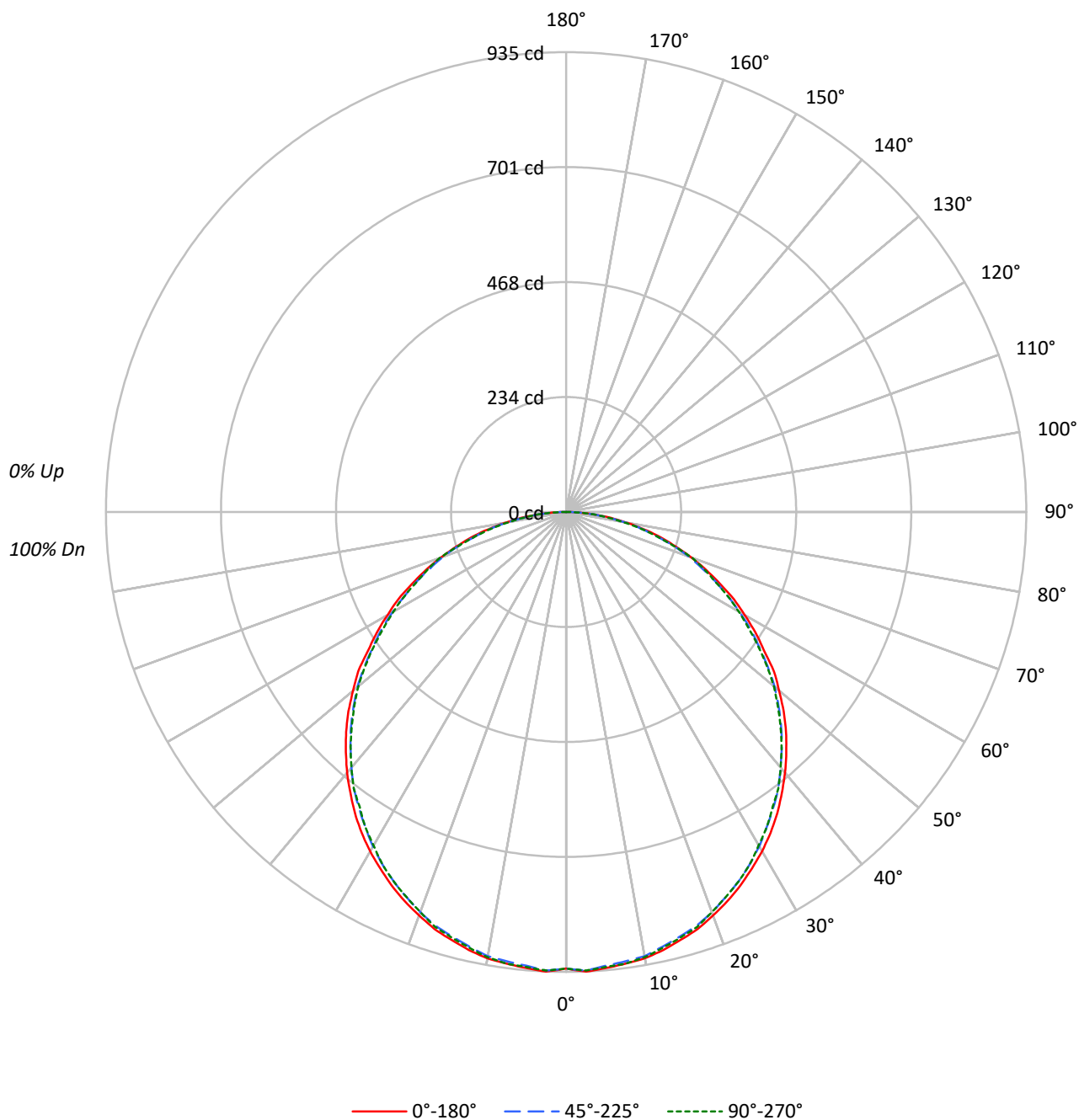
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2695.2 lumens
Efficiency: N/A
Efficacy: 82.4 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

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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°	2498	2498	2498
5°	2514	2501	2508
10°	2518	2505	2511
15°	2509	2489	2496
20°	2499	2479	2479
25°	2488	2461	2461
30°	2475	2439	2431
35°	2457	2411	2403
40°	2432	2383	2383
45°	2405	2352	2343
50°	2365	2316	2307
55°	2303	2248	2237
60°	2255	2193	2180
65°	2196	2138	2123
70°	2131	2094	2150
75°	2070	1973	1973
80°	1937	1901	1830
85°	1788	1717	1717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	3.3
10°-20°	253.0	9.4
20°-30°	382.9	14.2
30°-40°	461.3	17.1
40°-50°	479.0	17.8
50°-60°	431.4	16.0
60°-70°	333.3	12.4
70°-80°	203.1	7.5
80°-90°	62.8	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°	724.2	26.9
0°-40°	1185.5	44.0
0°-60°	2096.0	77.8
0°-90°	2695.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2695.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	931	928	926	926	928	89
15°	901	898	894	894	896	254
25°	838	836	829	826	829	386
35°	748	743	734	732	732	468
45°	632	627	618	616	616	487
55°	491	486	479	477	477	441
65°	345	338	336	331	333	342
75°	199	192	190	188	190	209
85°	58	58	56	53	56	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.3	928.3	928.3	928.3	928.3
2.5°	935.3	935.3	933.0	933.0	933.0
5°	930.7	928.3	926.0	926.0	928.3
7.5°	926.0	926.0	921.4	921.4	926.0
10°	921.4	919.1	916.8	916.8	919.1
12.5°	912.1	909.8	905.2	905.2	907.5
15°	900.6	898.2	893.6	893.6	895.9
17.5°	889.0	886.7	882.0	882.0	884.4
20°	872.8	870.5	865.8	863.5	865.8
22.5°	856.6	854.3	847.3	845.0	847.3
25°	838.1	835.7	828.8	826.5	828.8
27.5°	817.2	814.9	808.0	805.6	808.0
30°	796.4	791.8	784.8	780.2	782.5
32.5°	773.2	768.6	759.3	757.0	759.3
35°	747.8	743.1	733.9	731.6	731.6
37.5°	720.0	717.7	708.4	706.1	708.4
40°	692.2	687.6	678.3	676.0	678.3
42.5°	662.1	657.5	648.2	648.2	648.2
45°	632.0	627.4	618.1	615.8	615.8
47.5°	599.6	595.0	585.7	583.4	583.4
50°	564.9	560.2	553.3	551.0	551.0
52.5°	532.5	525.5	516.3	513.9	513.9
55°	490.8	486.2	479.2	476.9	476.9
57.5°	456.1	449.1	444.5	439.9	439.9
60°	419.0	412.1	407.5	405.1	405.1
62.5°	384.3	375.0	370.4	368.1	370.4
65°	344.9	338.0	335.7	331.1	333.4
67.5°	307.9	301.0	298.6	298.6	303.3
70°	270.9	263.9	266.2	259.3	273.2
72.5°	233.8	229.2	229.2	222.2	229.2
75°	199.1	192.2	189.8	187.5	189.8
77.5°	162.1	159.7	157.4	152.8	155.1
80°	125.0	129.6	122.7	115.8	118.1
82.5°	92.6	90.3	85.7	83.3	85.7
85°	57.9	57.9	55.6	53.2	55.6
87.5°	27.8	27.8	25.5	25.5	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)