

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: P601293

Luminaire Tested: 14CGSB-30-L950

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601293
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-L950
Description: 1x4 CGSB AT 3000lm 5000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

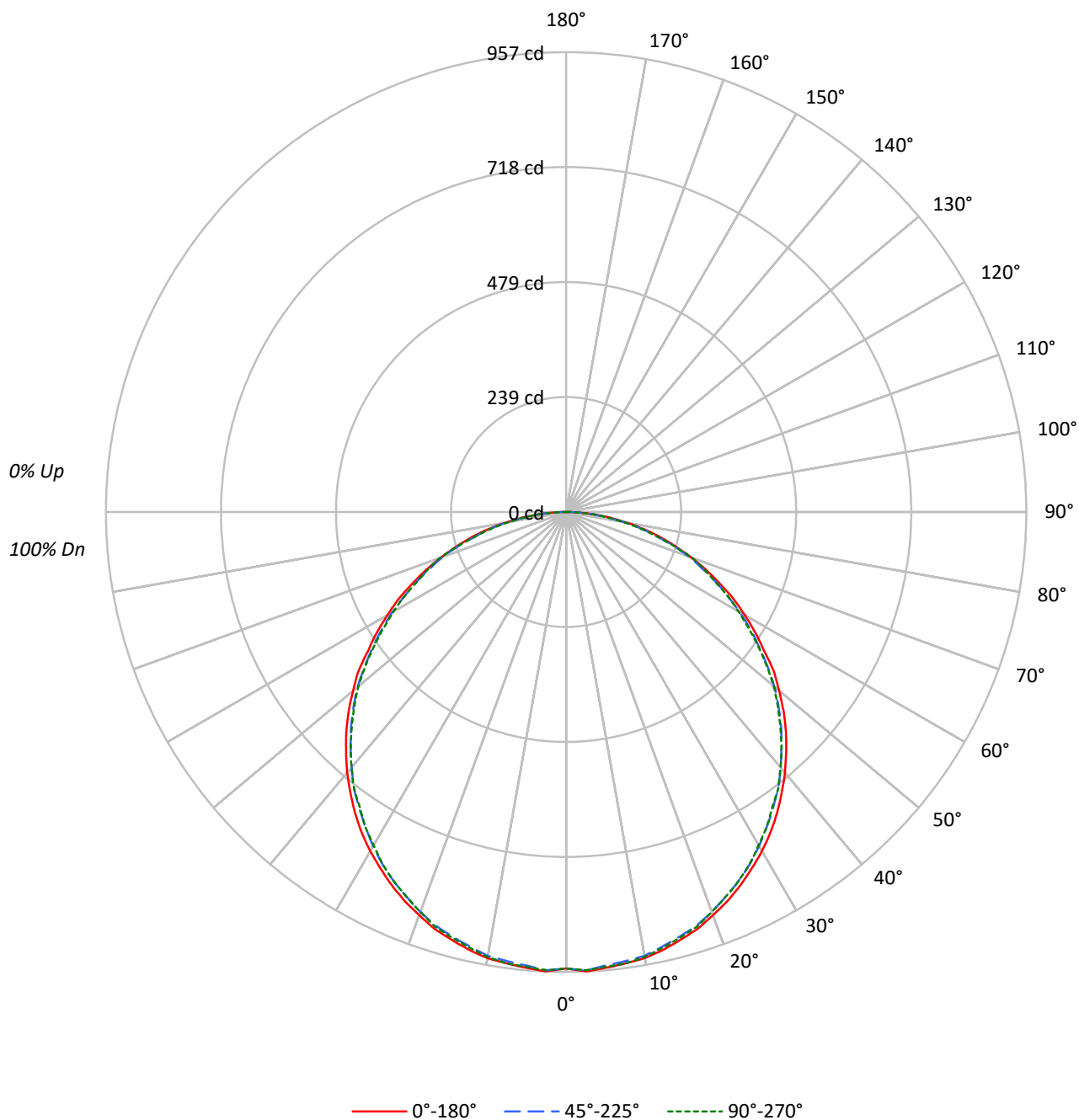
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2757.2 lumens
Efficiency: N/A
Efficacy: 84.3 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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	108	103	99	95	106	101	97	94		97	94	91			93	90	88			89
2	98	90	83	77	96	88	82	76		84	79	74			81	77	73			78
3	90	79	71	64	87	77	70	63		74	68	62			71	66	61			69
4	82	70	61	54	80	68	60	54		66	59	53			64	57	52			61
5	75	62	53	46	73	61	53	46		59	51	46			57	50	45			55
6	70	56	47	41	68	55	47	40		53	46	40			52	45	40			50
7	64	51	42	36	63	50	42	36		48	41	35			47	40	35			46
8	60	46	38	32	58	46	37	32		44	37	32			43	36	31			42
9	56	43	34	29	55	42	34	29		41	33	28			40	33	28			39
10	53	39	31	26	51	39	31	26		38	31	26			37	30	26			36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2556	2556	2556
5°	2572	2559	2565
10°	2576	2563	2569
15°	2567	2547	2553
20°	2557	2536	2536
25°	2545	2517	2517
30°	2531	2495	2487
35°	2513	2466	2459
40°	2487	2438	2438
45°	2460	2406	2398
50°	2419	2370	2360
55°	2356	2300	2289
60°	2307	2243	2231
65°	2247	2187	2171
70°	2180	2143	2199
75°	2118	2019	2019
80°	1982	1945	1872
85°	1828	1754	1754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2460 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	3.3
10°-20°	258.9	9.4
20°-30°	391.7	14.2
30°-40°	471.9	17.1
40°-50°	490.1	17.8
50°-60°	441.3	16.0
60°-70°	341.0	12.4
70°-80°	207.8	7.5
80°-90°	64.2	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°	740.8	26.9
0°-40°	1212.8	44.0
0°-60°	2144.1	77.8
0°-90°	2757.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2757.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	952	950	947	947	950	91
15°	921	919	914	914	916	260
25°	857	855	848	846	848	395
35°	765	760	751	748	748	478
45°	646	642	632	630	630	498
55°	502	497	490	488	488	451
65°	353	346	343	339	341	350
75°	204	197	194	192	194	214
85°	59	59	57	54	57	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	949.7	949.7	949.7	949.7	949.7
2.5°	956.8	956.8	954.4	954.4	954.4
5°	952.1	949.7	947.3	947.3	949.7
7.5°	947.3	947.3	942.6	942.6	947.3
10°	942.6	940.2	937.8	937.8	940.2
12.5°	933.1	930.7	926.0	926.0	928.4
15°	921.3	918.9	914.2	914.2	916.5
17.5°	909.4	907.1	902.3	902.3	904.7
20°	892.8	890.5	885.7	883.4	885.7
22.5°	876.3	873.9	866.8	864.4	866.8
25°	857.3	855.0	847.8	845.5	847.8
27.5°	836.0	833.6	826.5	824.2	826.5
30°	814.7	810.0	802.8	798.1	800.5
32.5°	791.0	786.3	776.8	774.4	776.8
35°	765.0	760.2	750.7	748.4	748.4
37.5°	736.5	734.2	724.7	722.3	724.7
40°	708.1	703.4	693.9	691.5	693.9
42.5°	677.3	672.6	663.1	663.1	663.1
45°	646.5	641.8	632.3	630.0	630.0
47.5°	613.4	608.6	599.2	596.8	596.8
50°	577.9	573.1	566.0	563.7	563.7
52.5°	544.7	537.6	528.1	525.8	525.8
55°	502.1	497.3	490.2	487.9	487.9
57.5°	466.6	459.4	454.7	450.0	450.0
60°	428.7	421.6	416.8	414.5	414.5
62.5°	393.1	383.7	378.9	376.6	378.9
65°	352.9	345.8	343.4	338.7	341.0
67.5°	315.0	307.9	305.5	305.5	310.2
70°	277.1	270.0	272.4	265.2	279.5
72.5°	239.2	234.5	234.5	227.4	234.5
75°	203.7	196.6	194.2	191.8	194.2
77.5°	165.8	163.4	161.0	156.3	158.7
80°	127.9	132.6	125.5	118.4	120.8
82.5°	94.7	92.4	87.6	85.3	87.6
85°	59.2	59.2	56.8	54.5	56.8
87.5°	28.4	28.4	26.1	26.1	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)