

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: P601286

Luminaire Tested: 14CGSB-30-L830

Issue Date: 1/24/2024

Test Information

Test Method: LM-79-2019
Report Number: P601286
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-L830
Description: 1x4 CGSB AT 3000lm 3000K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

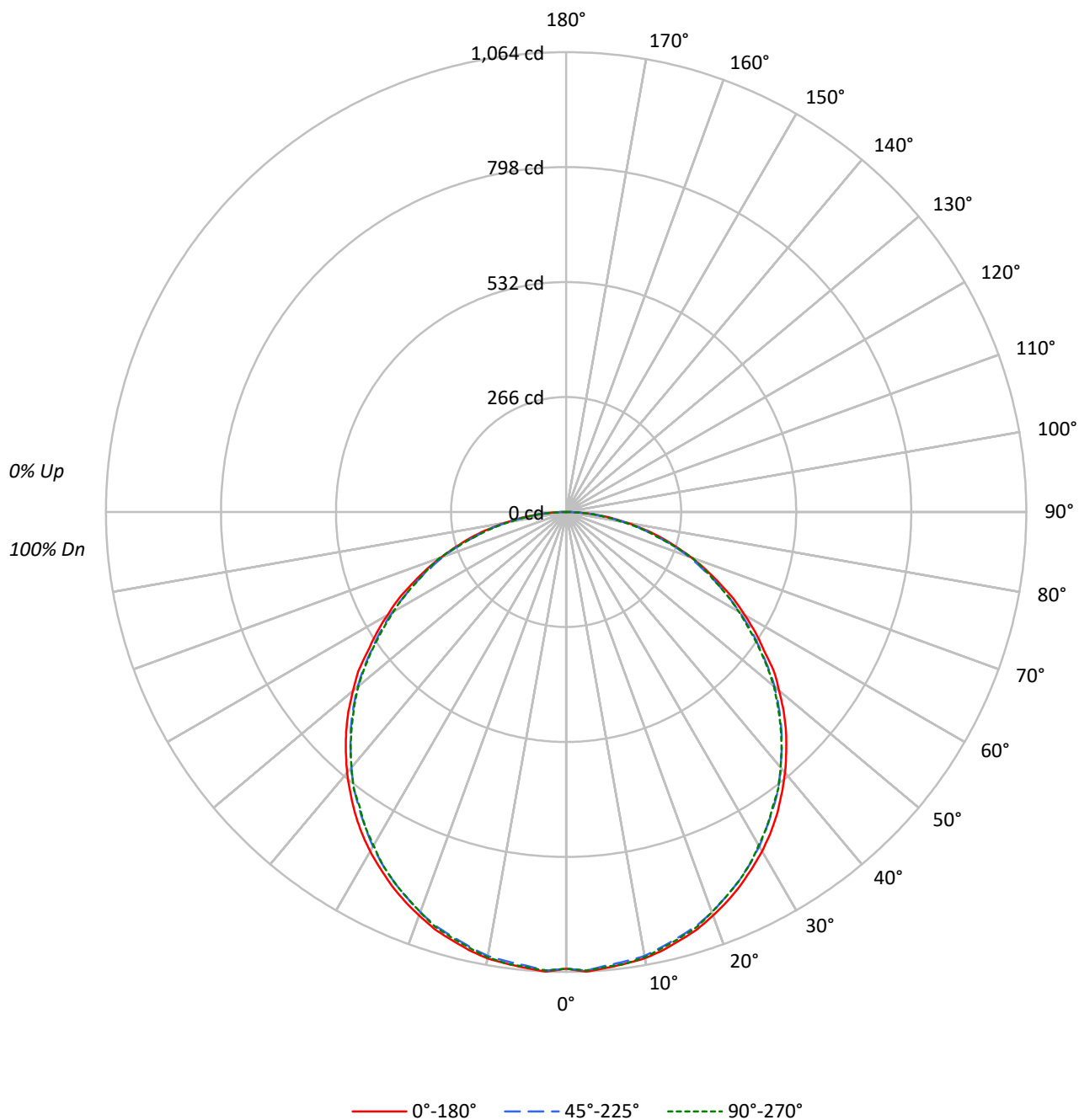
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3067.0 lumens
Efficiency: N/A
Efficacy: 93.8 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: P601286
CATALOG NUMBER: 14CGSB-30-L830

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°	2843	2843	2843
5°	2861	2847	2854
10°	2865	2851	2858
15°	2855	2833	2840
20°	2844	2822	2822
25°	2831	2800	2800
30°	2816	2775	2767
35°	2795	2743	2735
40°	2767	2712	2712
45°	2737	2677	2667
50°	2691	2636	2625
55°	2620	2558	2546
60°	2566	2496	2481
65°	2499	2432	2416
70°	2425	2384	2446
75°	2356	2246	2246
80°	2205	2163	2083
85°	2035	1951	1951

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2737 cd/sqm

TEST NUMBER: P601286
 CATALOG NUMBER: 14CGSB-30-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	3.3
10°-20°	287.9	9.4
20°-30°	435.7	14.2
30°-40°	525.0	17.1
40°-50°	545.1	17.8
50°-60°	490.9	16.0
60°-70°	379.3	12.4
70°-80°	231.1	7.5
80°-90°	71.5	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°	824.1	26.9
0°-40°	1349.0	44.0
0°-60°	2385.1	77.8
0°-90°	3067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1059	1056	1054	1054	1056	101
15°	1025	1022	1017	1017	1020	289
25°	954	951	943	940	943	439
35°	851	846	835	832	832	532
45°	719	714	703	701	701	554
55°	558	553	545	543	543	502
65°	392	385	382	377	379	389
75°	227	219	216	213	216	238
85°	66	66	63	61	63	75
90°	0	0	0	0	0	

TEST NUMBER: P601286

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1056.4	1056.4	1056.4	1056.4	1056.4
2.5°	1064.3	1064.3	1061.7	1061.7	1061.7
5°	1059.0	1056.4	1053.8	1053.8	1056.4
7.5°	1053.8	1053.8	1048.5	1048.5	1053.8
10°	1048.5	1045.9	1043.2	1043.2	1045.9
12.5°	1037.9	1035.3	1030.0	1030.0	1032.7
15°	1024.8	1022.1	1016.9	1016.9	1019.5
17.5°	1011.6	1009.0	1003.7	1003.7	1006.3
20°	993.2	990.5	985.3	982.6	985.3
22.5°	974.7	972.1	964.2	961.6	964.2
25°	953.6	951.0	943.1	940.5	943.1
27.5°	929.9	927.3	919.4	916.8	919.4
30°	906.2	901.0	893.1	887.8	890.4
32.5°	879.9	874.6	864.1	861.4	864.1
35°	850.9	845.6	835.1	832.5	832.5
37.5°	819.3	816.7	806.1	803.5	806.1
40°	787.7	782.4	771.9	769.2	771.9
42.5°	753.4	748.2	737.6	737.6	737.6
45°	719.2	713.9	703.4	700.7	700.7
47.5°	682.3	677.0	666.5	663.9	663.9
50°	642.8	637.5	629.6	627.0	627.0
52.5°	605.9	598.0	587.5	584.8	584.8
55°	558.5	553.2	545.3	542.7	542.7
57.5°	519.0	511.1	505.8	500.5	500.5
60°	476.8	468.9	463.7	461.0	461.0
62.5°	437.3	426.8	421.5	418.9	421.5
65°	392.5	384.6	382.0	376.7	379.4
67.5°	350.4	342.5	339.8	339.8	345.1
70°	308.2	300.3	303.0	295.1	310.9
72.5°	266.1	260.8	260.8	252.9	260.8
75°	226.6	218.7	216.0	213.4	216.0
77.5°	184.4	181.8	179.1	173.9	176.5
80°	142.3	147.5	139.6	131.7	134.4
82.5°	105.4	102.7	97.5	94.8	97.5
85°	65.9	65.9	63.2	60.6	63.2
87.5°	31.6	31.6	29.0	29.0	31.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)