

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P232537

Luminaire Tested: **8SKB1-LD5-14-W-UNV-L835-CD2-RS-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-317-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SKB1-LD5-14-W-UNV-L835-CD2-RS-U
Description: METALUX SKYBAR 8' WAVESTREAM STRIP
WITH WIDE LENS AND REFLECTOR
Light Source: (476) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12608.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.47 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.29')
CIE Type: Direct

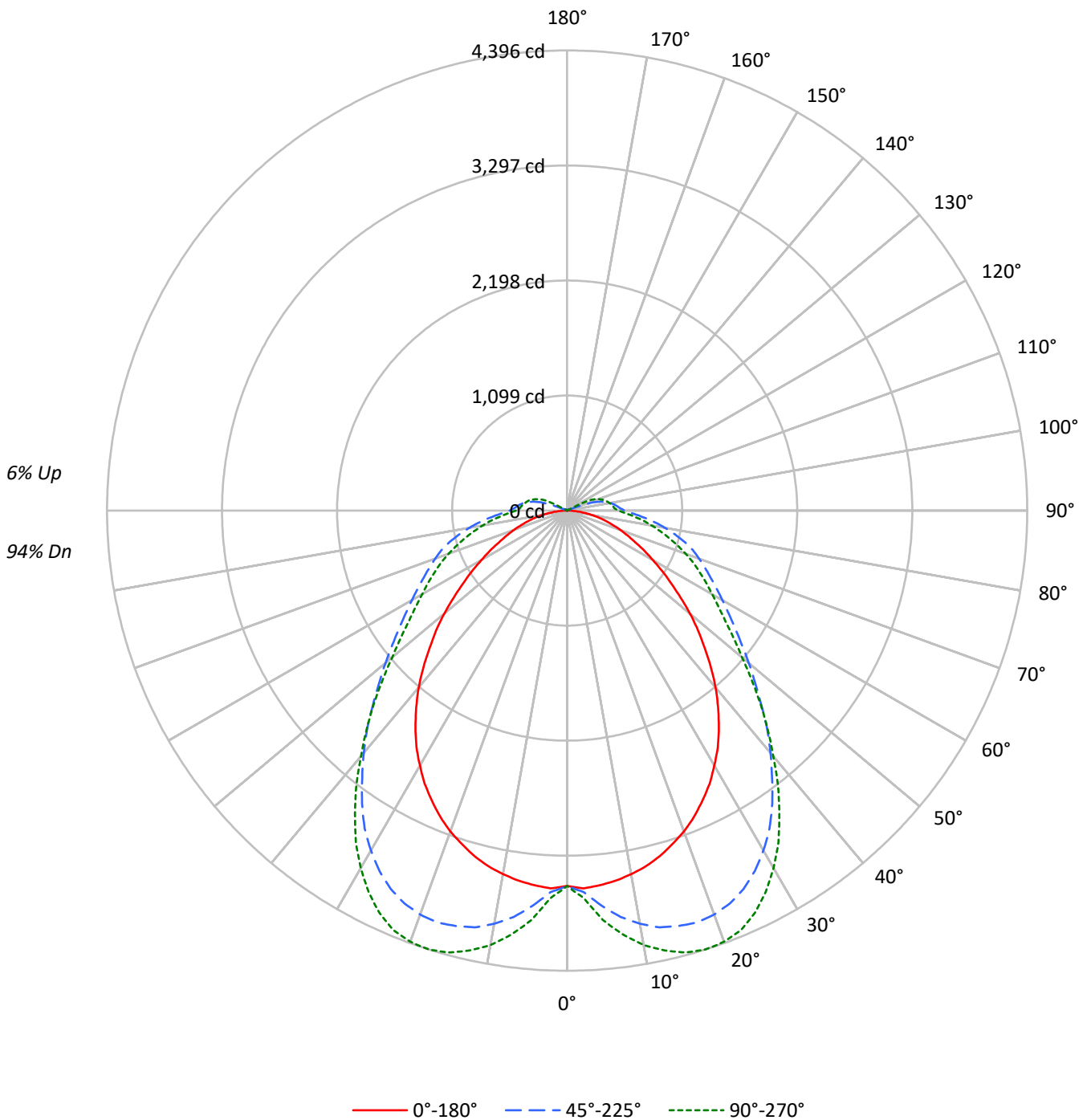
Input Watts (W): 105.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	106	101	96	91	103	98	93	89	92	89	85	87	84	82	83	80	78	76
2	96	87	80	74	93	85	78	73	80	75	70	76	72	68	72	69	65	63
3	88	77	68	62	85	75	67	61	71	64	59	67	62	57	64	59	55	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	45	57	49	44	54	48	43	52	46	42	39
6	68	55	46	39	66	54	45	39	51	44	38	49	42	37	47	41	37	34
7	63	50	41	35	61	49	41	35	47	39	34	45	38	33	43	37	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	39	34	29	27
9	55	42	34	28	54	41	33	28	39	32	27	38	32	27	37	31	27	25
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19303	19303	19303
5°	19345	19059	19250
10°	19151	19044	19104
15°	18862	18641	18550
20°	18444	17958	17621
25°	17852	16958	16311
30°	17117	15625	14644
35°	16185	14067	12780
40°	15043	12388	10881
45°	13650	10782	9170
50°	12304	9415	7637
55°	10807	8286	6502
60°	9561	7454	5697
65°	8482	6812	5080
70°	7729	6322	4506
75°	6948	5802	3900
80°	6100	5045	3333
85°	4481	4188	2755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.5	2.9
10°-20°	1139.7	9.0
20°-30°	1775.0	14.1
30°-40°	2040.9	16.2
40°-50°	1912.0	15.2
50°-60°	1608.3	12.8
60°-70°	1317.4	10.4
70°-80°	1025.7	8.1
80°-90°	661.0	5.2
90°-100°	406.9	3.2
100°-110°	253.0	2.0
110°-120°	83.2	0.7
120°-130°	11.3	0.1
130°-140°	5.3	0.0
140°-150°	1.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3281.3	26.0
0°-40°	5322.1	42.2
0°-60°	8842.4	70.1
0°-90°	11846.4	94.0
90°-120°	743.1	5.9
90°-150°	761.5	6.0
90°-180°	762.0	6.0
0°-180°	12608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3587	3587	3587	3587	3587	
5°	3592	3667	3790	3914	3927	341
15°	3418	3802	4108	4338	4370	962
25°	3057	3615	3989	4219	4241	1407
35°	2526	3087	3416	3557	3534	1576
45°	1859	2377	2622	2667	2610	1437
55°	1212	1735	1956	1922	1848	1092
65°	718	1281	1511	1447	1397	721
75°	380	976	1165	1053	1004	406
85°	103	643	727	664	640	112
90°	6	447	548	505	490	8
95°	0	338	479	456	441	0
105°	0	69	329	382	376	0
115°	0	47	32	153	234	0
125°	0	28	22	0	0	0
135°	0	13	13	0	0	0
145°	2	4	6	0	0	1
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3586.6	3586.6	3586.6	3586.6	3586.6
2.5°	3612.8	3620.3	3648.3	3721.2	3706.3
5°	3592.2	3667.0	3790.4	3913.9	3926.9
7.5°	3566.0	3730.6	3915.7	4072.8	4085.9
10°	3526.8	3773.6	4007.4	4198.1	4214.9
12.5°	3480.0	3801.7	4078.4	4287.8	4304.7
15°	3418.3	3801.7	4108.3	4338.3	4370.1
17.5°	3341.6	3786.7	4125.2	4366.4	4396.3
20°	3263.1	3751.2	4106.5	4355.2	4383.2
22.5°	3167.7	3695.1	4061.6	4304.7	4338.3
25°	3057.4	3614.7	3988.7	4218.7	4241.1
27.5°	2945.2	3513.7	3882.1	4091.5	4108.3
30°	2812.4	3388.4	3749.3	3936.3	3943.8
32.5°	2679.7	3255.6	3599.7	3762.4	3756.8
35°	2526.3	3087.3	3416.4	3556.7	3534.3
37.5°	2367.4	2924.6	3216.4	3330.4	3308.0
40°	2206.6	2745.1	3021.9	3100.4	3064.9
42.5°	2032.7	2558.1	2827.4	2877.9	2834.9
45°	1858.8	2376.7	2621.7	2666.6	2610.5
47.5°	1697.9	2197.2	2434.7	2442.2	2388.0
50°	1533.4	2034.5	2264.5	2257.1	2180.4
52.5°	1365.1	1877.5	2103.7	2085.0	2006.5
55°	1211.7	1735.3	1956.0	1922.3	1847.5
57.5°	1077.1	1604.4	1828.8	1776.5	1714.8
60°	944.3	1484.8	1712.9	1654.9	1598.8
62.5°	830.3	1372.6	1606.3	1546.5	1497.8
65°	718.1	1280.9	1510.9	1447.4	1396.9
67.5°	624.6	1189.3	1424.9	1353.9	1305.2
70°	540.4	1112.6	1340.8	1258.5	1204.3
72.5°	458.1	1045.3	1260.4	1150.0	1103.3
75°	379.6	976.1	1165.0	1052.8	1004.2
77.5°	312.3	912.5	1056.5	949.9	910.7
80°	237.5	847.1	948.1	852.7	819.0
82.5°	168.3	753.6	841.5	755.5	731.2
85°	102.8	643.3	727.4	663.8	639.5
87.5°	44.9	531.1	626.4	574.1	557.3
90°	5.6	446.9	547.9	504.9	489.9
92.5°	1.9	392.7	506.8	471.2	454.4
95°	0.0	338.5	478.7	456.3	441.3
97.5°	0.0	274.9	452.5	443.2	428.2
100°	0.0	177.6	418.9	424.5	411.4
102.5°	0.0	74.8	379.6	403.9	392.7
105°	0.0	69.2	329.1	381.5	375.9
107.5°	0.0	63.6	259.9	351.6	347.8
110°	0.0	58.0	134.6	316.0	317.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	52.4	33.7	269.3	280.5
115°	0.0	46.7	31.8	153.3	233.7
117.5°	0.0	43.0	28.0	1.9	80.4
120°	0.0	37.4	26.2	1.9	0.0
122.5°	0.0	31.8	24.3	0.0	0.0
125°	0.0	28.0	22.4	0.0	0.0
127.5°	0.0	24.3	18.7	0.0	0.0
130°	0.0	20.6	16.8	0.0	0.0
132.5°	0.0	16.8	15.0	0.0	0.0
135°	0.0	13.1	13.1	0.0	0.0
137.5°	0.0	11.2	11.2	0.0	0.0
140°	0.0	7.5	9.3	0.0	0.0
142.5°	1.9	5.6	7.5	0.0	0.0
145°	1.9	3.7	5.6	0.0	0.0
147.5°	1.9	3.7	5.6	0.0	0.0
150°	1.9	1.9	3.7	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)