

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: P232630

Luminaire Tested: **4SKB1-LD5-8-N-UNV-L835-CD1-RS-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-317-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SKB1-LD5-8-N-UNV-L835-CD1-RS-U
Description: METALUX SKYBAR 4' WAVESTREAM STRIP
WITH NARROW LENS AND REFLECTOR
Light Source: (238) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7994.9 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.5 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.29')
CIE Type: Direct

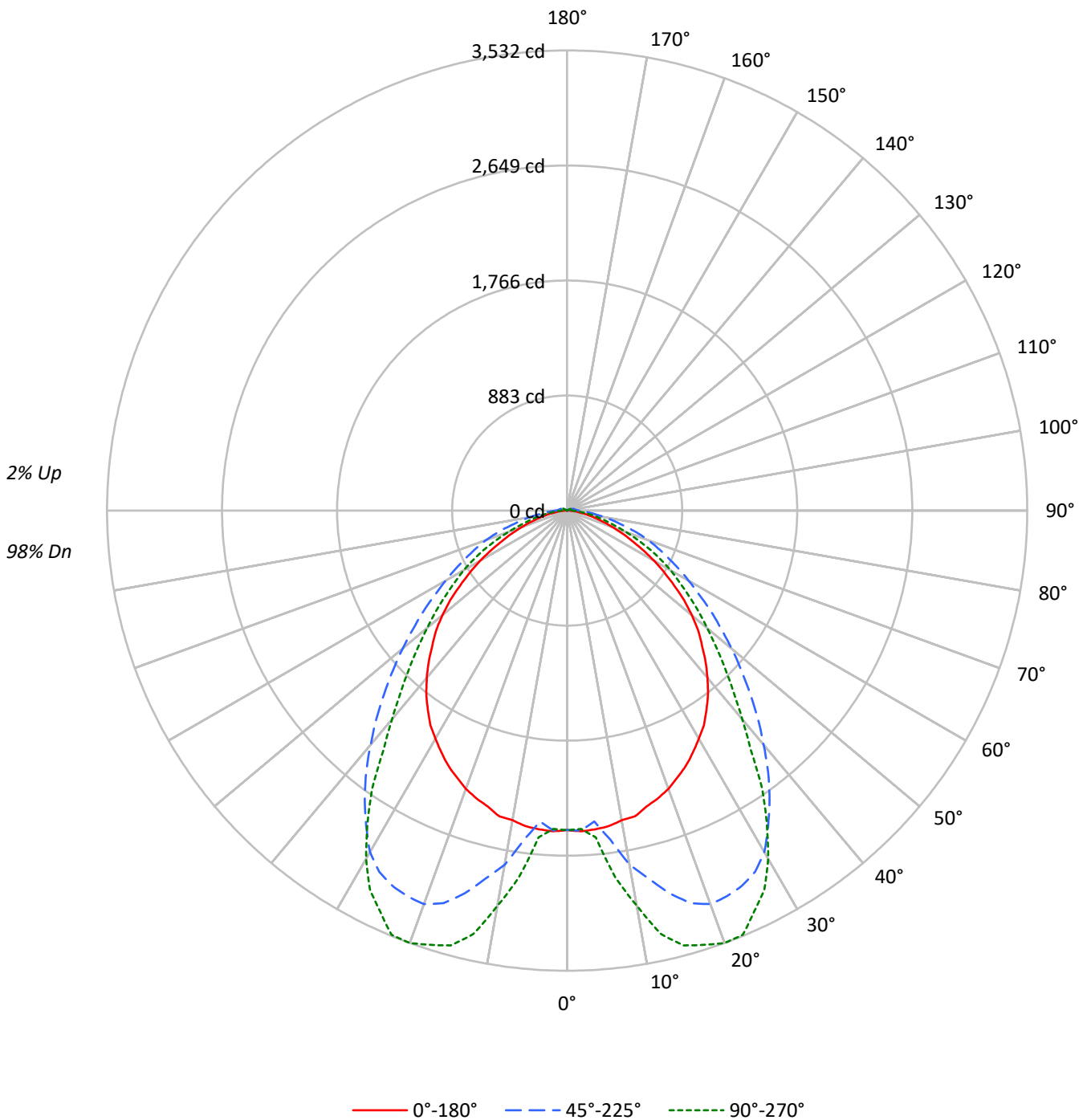
Input Watts (W): 65.23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	109	104	100	97	106	102	98	95	97	94	92	93	91	88	89	87	85	83
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	91	81	73	67	89	80	72	67	76	70	65	73	68	64	71	66	63	60
4	84	72	64	58	82	71	63	57	68	62	56	66	60	55	63	58	54	52
5	77	65	56	50	75	64	56	50	62	54	49	59	53	48	57	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	52	47	42	40
7	67	53	45	39	65	53	44	39	51	44	38	49	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	37	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26393	26393	26393
5°	26372	24029	24679
10°	26037	26115	27925
15°	25708	27445	29337
20°	25359	27913	28396
25°	24804	26787	26120
30°	24109	24982	22918
35°	23314	22055	18881
40°	22187	18998	14839
45°	20765	16097	12040
50°	19249	13510	9826
55°	17039	11210	8028
60°	14735	9203	6525
65°	12118	7530	5053
70°	9722	6084	3588
75°	7500	4436	2390
80°	5438	3002	1513
85°	3368	1816	815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.3	3.1
10°-20°	837.2	10.5
20°-30°	1372.8	17.2
30°-40°	1551.9	19.4
40°-50°	1398.2	17.5
50°-60°	1101.7	13.8
60°-70°	757.7	9.5
70°-80°	422.5	5.3
80°-90°	171.5	2.1
90°-100°	65.2	0.8
100°-110°	36.4	0.5
110°-120°	19.9	0.2
120°-130°	6.8	0.1
130°-140°	4.7	0.1
140°-150°	2.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2455.4	30.7
0°-40°	4007.2	50.1
0°-60°	6507.1	81.4
0°-90°	7858.8	98.3
90°-120°	121.5	1.5
90°-150°	135.9	1.7
90°-180°	136.0	1.7
0°-180°	7994.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2452	2452	2452	2452	2452	
5°	2456	2466	2394	2501	2517	233
15°	2352	2531	3041	3394	3456	665
25°	2160	2611	3177	3413	3396	993
35°	1865	2352	2709	2670	2611	1164
45°	1464	1828	1984	1833	1714	1131
55°	1002	1265	1345	1228	1141	899
65°	550	794	851	781	695	552
75°	229	484	456	364	308	248
85°	50	241	162	121	95	56
90°	2	154	89	59	41	3
95°	0	108	66	45	32	0
105°	0	27	49	42	33	0
115°	0	21	9	33	37	0
125°	1	15	8	6	0	1
135°	1	9	8	8	0	1
145°	1	4	5	6	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°	2452.0	2452.0	2452.0	2452.0	2452.0
2.5°	2464.0	2459.6	2457.4	2478.1	2445.5
5°	2456.3	2466.1	2394.4	2500.9	2517.2
7.5°	2443.3	2415.0	2548.8	2783.6	2840.2
10°	2412.8	2382.4	2758.6	3018.5	3080.5
12.5°	2404.1	2444.4	2893.5	3242.5	3329.5
15°	2352.0	2531.4	3041.3	3393.6	3455.6
17.5°	2316.1	2593.3	3159.9	3451.3	3494.8
20°	2272.6	2611.8	3214.2	3483.9	3531.7
22.5°	2214.9	2630.3	3204.4	3485.0	3524.1
25°	2159.5	2610.7	3177.3	3413.2	3395.8
27.5°	2092.1	2567.3	3125.1	3304.5	3279.5
30°	2021.4	2520.5	3027.2	3128.3	3085.9
32.5°	1952.9	2450.9	2870.6	2901.1	2852.1
35°	1864.8	2352.0	2708.6	2669.5	2610.7
37.5°	1775.7	2235.6	2535.7	2432.4	2315.0
40°	1675.6	2104.0	2346.5	2225.8	2089.9
42.5°	1572.3	1963.8	2167.1	2020.3	1889.8
45°	1463.6	1827.8	1984.4	1833.3	1713.7
47.5°	1365.7	1689.8	1812.6	1657.1	1552.7
50°	1249.4	1546.2	1649.5	1499.5	1402.7
52.5°	1131.9	1408.1	1487.5	1355.9	1267.9
55°	1002.5	1264.6	1345.1	1227.6	1140.6
57.5°	884.0	1137.4	1200.4	1108.0	1019.9
60°	770.9	1010.2	1076.5	988.4	915.6
62.5°	654.6	900.3	963.4	886.2	804.6
65°	550.2	793.8	851.4	780.7	694.8
67.5°	457.8	703.5	755.7	661.1	579.6
70°	370.8	623.1	658.9	553.5	479.5
72.5°	293.6	548.0	560.0	450.2	384.9
75°	229.4	483.9	455.6	364.3	307.7
77.5°	170.7	427.3	367.5	289.2	241.4
80°	124.0	370.8	289.2	220.7	185.9
82.5°	85.9	305.5	221.8	166.4	137.0
85°	50.0	241.4	162.0	120.7	94.6
87.5°	18.5	195.7	118.5	81.6	63.1
90°	2.2	154.4	89.2	58.7	41.3
92.5°	1.1	130.5	73.9	48.9	33.7
95°	0.0	107.6	66.3	44.6	31.5
97.5°	0.0	84.8	60.9	43.5	31.5
100°	0.0	55.5	56.5	41.3	30.4
102.5°	0.0	31.5	53.3	41.3	31.5
105°	0.0	27.2	48.9	42.4	32.6
107.5°	0.0	25.0	43.5	44.6	34.8
110°	0.0	23.9	28.3	45.7	37.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.7	10.9	46.8	39.1
115°	0.0	20.7	8.7	32.6	37.0
117.5°	0.0	19.6	8.7	22.8	23.9
120°	1.1	17.4	8.7	6.5	6.5
122.5°	1.1	16.3	7.6	6.5	0.0
125°	1.1	15.2	7.6	6.5	0.0
127.5°	1.1	13.0	7.6	7.6	0.0
130°	1.1	12.0	7.6	6.5	0.0
132.5°	1.1	10.9	7.6	7.6	0.0
135°	1.1	8.7	7.6	7.6	0.0
137.5°	1.1	7.6	6.5	7.6	0.0
140°	1.1	6.5	6.5	7.6	0.0
142.5°	1.1	5.4	6.5	7.6	0.0
145°	1.1	4.3	5.4	6.5	0.0
147.5°	1.1	3.3	5.4	6.5	0.0
150°	1.1	3.3	4.3	6.5	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)