

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: P232609

Luminaire Tested: **4SKB1-LD5-7-W-UNV-L835-CD1-RS-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232609
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: 4SKB1-LD5-7-W-UNV-L835-CD1-RS-U
Description: METALUX SKYBAR 4' WAVESTREAM STRIP
WITH WIDE LENS AND REFLECTOR
Light Source: (238) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6304.0 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: 4' x H: 0.29')
CIE Type: Direct

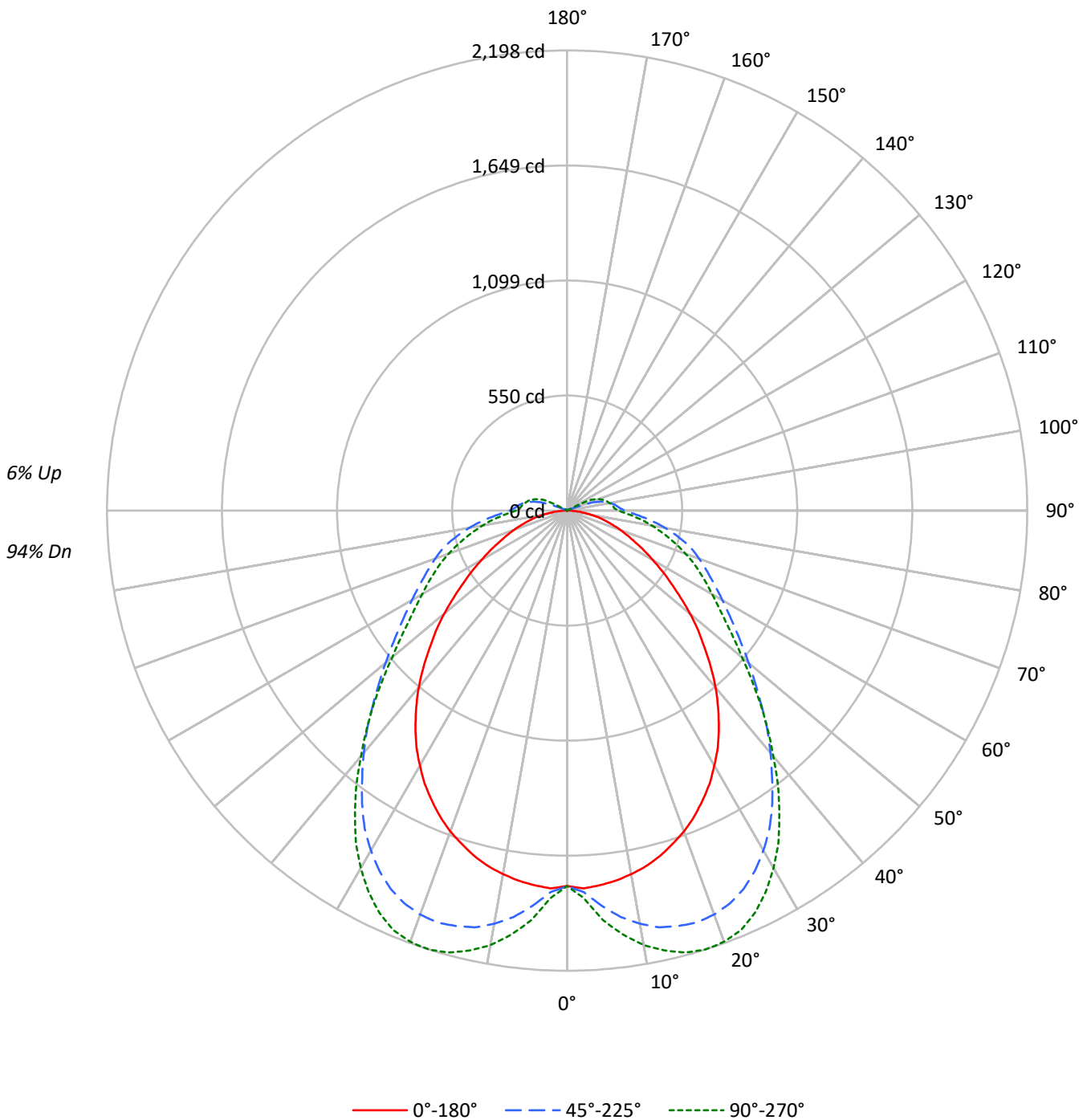
Input Watts (W): 52.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19284	19019	19251
10°	19029	18969	19105
15°	18682	18537	18551
20°	18206	17830	17621
25°	17559	16813	16311
30°	16772	15470	14644
35°	15793	13909	12780
40°	14609	12233	10880
45°	13186	10634	9170
50°	11812	9274	7637
55°	10298	8150	6502
60°	9026	7321	5697
65°	7907	6682	5079
70°	7084	6190	4506
75°	6205	5672	3900
80°	5205	4921	3333
85°	3462	4076	2755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	2.9
10°-20°	569.9	9.0
20°-30°	887.5	14.1
30°-40°	1020.4	16.2
40°-50°	956.0	15.2
50°-60°	804.1	12.8
60°-70°	658.7	10.4
70°-80°	512.8	8.1
80°-90°	330.5	5.2
90°-100°	203.4	3.2
100°-110°	126.5	2.0
110°-120°	41.6	0.7
120°-130°	5.7	0.1
130°-140°	2.6	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1640.6	26.0
0°-40°	2661.1	42.2
0°-60°	4421.2	70.1
0°-90°	5923.2	94.0
90°-120°	371.5	5.9
90°-150°	380.7	6.0
90°-180°	381.0	6.0
0°-180°	6304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1793	1793	1793	1793	1793	
5°	1796	1834	1895	1957	1964	170
15°	1709	1901	2054	2169	2185	481
25°	1529	1807	1994	2109	2121	703
35°	1263	1544	1708	1778	1767	788
45°	929	1188	1311	1333	1305	719
55°	606	868	978	961	924	546
65°	359	640	756	724	698	360
75°	190	488	582	526	502	203
85°	51	322	364	332	320	56
90°	3	224	274	252	245	4
95°	0	169	239	228	221	0
105°	0	35	165	191	188	0
115°	0	23	16	77	117	0
125°	0	14	11	0	0	0
135°	0	6	6	0	0	0
145°	1	2	3	0	0	0
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°	1793.3	1793.3	1793.3	1793.3	1793.3
2.5°	1806.4	1810.1	1824.2	1860.6	1853.1
5°	1796.1	1833.5	1895.2	1956.9	1963.5
7.5°	1783.0	1865.3	1957.9	2036.4	2042.9
10°	1763.4	1886.8	2003.7	2099.0	2107.5
12.5°	1740.0	1900.8	2039.2	2143.9	2152.3
15°	1709.2	1900.8	2054.2	2169.2	2185.1
17.5°	1670.8	1893.3	2062.6	2183.2	2198.2
20°	1631.6	1875.6	2053.2	2177.6	2191.6
22.5°	1583.9	1847.5	2030.8	2152.3	2169.2
25°	1528.7	1807.3	1994.3	2109.3	2120.6
27.5°	1472.6	1756.8	1941.0	2045.8	2054.2
30°	1406.2	1694.2	1874.6	1968.1	1971.9
32.5°	1339.8	1627.8	1799.8	1881.2	1878.4
35°	1263.2	1543.7	1708.2	1778.3	1767.1
37.5°	1183.7	1462.3	1608.2	1665.2	1654.0
40°	1103.3	1372.6	1510.9	1550.2	1532.4
42.5°	1016.3	1279.1	1413.7	1438.9	1417.4
45°	929.4	1188.4	1310.9	1333.3	1305.2
47.5°	849.0	1098.6	1217.4	1221.1	1194.0
50°	766.7	1017.3	1132.3	1128.5	1090.2
52.5°	682.5	938.7	1051.9	1042.5	1003.2
55°	605.9	867.7	978.0	961.2	923.8
57.5°	538.6	802.2	914.4	888.2	857.4
60°	472.2	742.4	856.4	827.5	799.4
62.5°	415.1	686.3	803.2	773.2	748.9
65°	359.0	640.5	755.5	723.7	698.4
67.5°	312.3	594.7	712.5	676.9	652.6
70°	270.2	556.3	670.4	629.2	602.1
72.5°	229.1	522.7	630.2	575.0	551.6
75°	189.8	488.1	582.5	526.4	502.1
77.5°	156.1	456.3	528.3	475.0	455.3
80°	118.7	423.5	474.0	426.4	409.5
82.5°	84.1	376.8	420.7	377.7	365.6
85°	51.4	321.6	363.7	331.9	319.8
87.5°	22.4	265.5	313.2	287.0	278.6
90°	2.8	223.5	274.0	252.4	245.0
92.5°	0.9	196.3	253.4	235.6	227.2
95°	0.0	169.2	239.4	228.1	220.7
97.5°	0.0	137.4	226.3	221.6	214.1
100°	0.0	88.8	209.4	212.2	205.7
102.5°	0.0	37.4	189.8	202.0	196.3
105°	0.0	34.6	164.6	190.7	187.9
107.5°	0.0	31.8	130.0	175.8	173.9
110°	0.0	29.0	67.3	158.0	158.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.2	16.8	134.6	140.2
115°	0.0	23.4	15.9	76.7	116.9
117.5°	0.0	21.5	14.0	0.9	40.2
120°	0.0	18.7	13.1	0.9	0.0
122.5°	0.0	15.9	12.2	0.0	0.0
125°	0.0	14.0	11.2	0.0	0.0
127.5°	0.0	12.2	9.3	0.0	0.0
130°	0.0	10.3	8.4	0.0	0.0
132.5°	0.0	8.4	7.5	0.0	0.0
135°	0.0	6.5	6.5	0.0	0.0
137.5°	0.0	5.6	5.6	0.0	0.0
140°	0.0	3.7	4.7	0.0	0.0
142.5°	0.9	2.8	3.7	0.0	0.0
145°	0.9	1.9	2.8	0.0	0.0
147.5°	0.9	1.9	2.8	0.0	0.0
150°	0.9	0.9	1.9	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)