

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: P232626

Luminaire Tested: **4SKB1-LD5-6-N-UNV-L850-CD1-RS-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232626
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-LD5-6-N-UNV-L850-CD1-RS-U
Description: METALUX SKYBAR 4' WAVESTREAM STRIP
WITH NARROW LENS AND REFLECTOR
Light Source: (196) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6603.0 lumens
Efficiency: N/A
Efficacy: 140.0 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

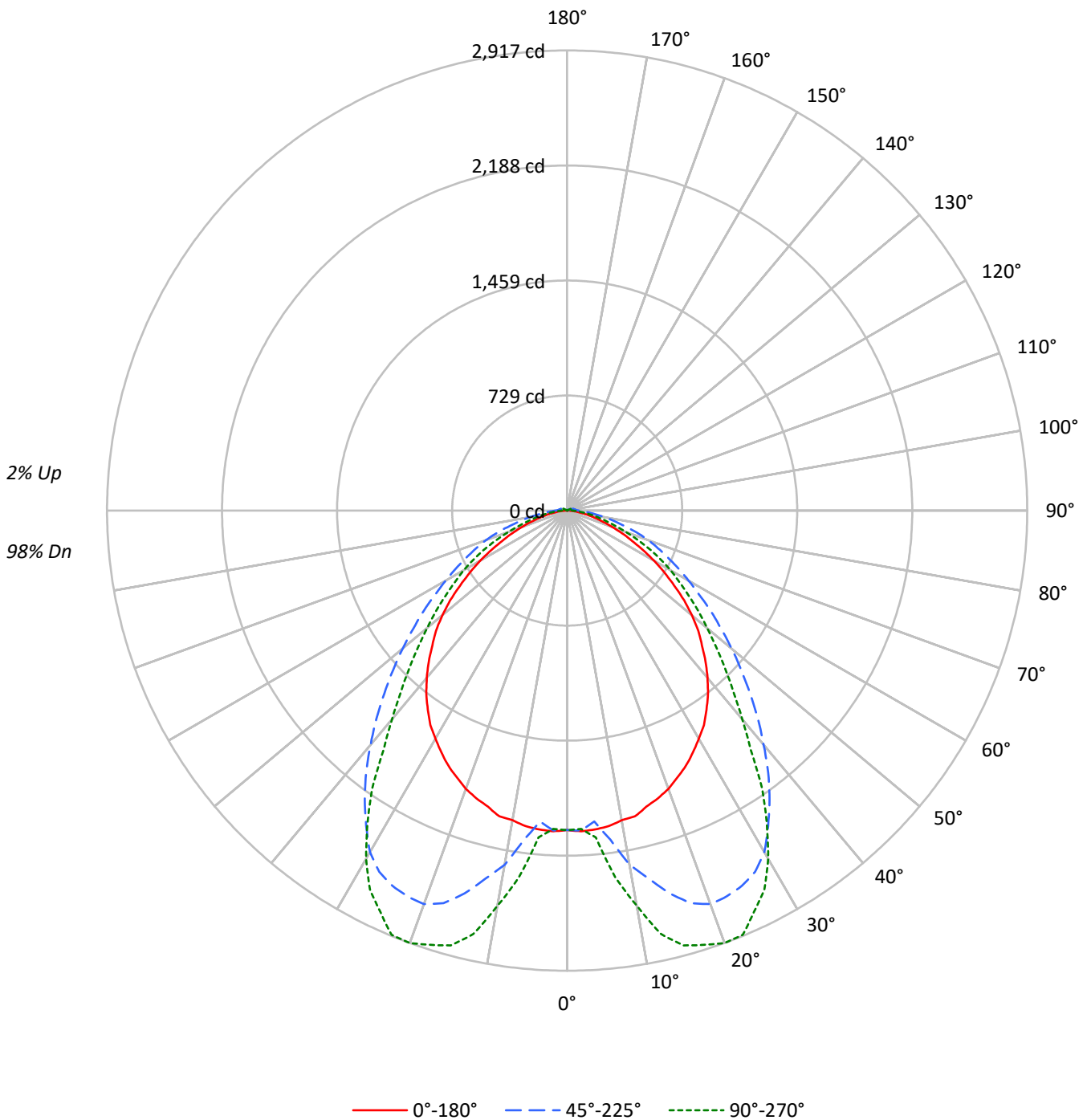
Input Watts (W): 47.16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P232626

CATALOG NUMBER: 4SKB1-LD5-6-N-UNV-L850-CD1-RS-U

Luminous Intensity Polar Plot





TEST NUMBER: P232626

CATALOG NUMBER: 4SKB1-LD5-6-N-UNV-L850-CD1-RS-U

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21798	21798	21798
5°	21781	19845	20383
10°	21504	21568	23062
15°	21232	22667	24229
20°	20944	23053	23452
25°	20485	22123	21573
30°	19912	20632	18927
35°	19254	18215	15594
40°	18324	15691	12255
45°	17150	13295	9943
50°	15897	11157	8116
55°	14073	9258	6630
60°	12170	7601	5388
65°	10008	6219	4173
70°	8028	5025	2963
75°	6195	3664	1974
80°	4490	2480	1250
85°	2782	1500	673



TEST NUMBER: P232626

CATALOG NUMBER: 4SKB1-LD5-6-N-UNV-L850-CD1-RS-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.6	3.1
10°-20°	691.4	10.5
20°-30°	1133.8	17.2
30°-40°	1281.7	19.4
40°-50°	1154.8	17.5
50°-60°	909.9	13.8
60°-70°	625.8	9.5
70°-80°	348.9	5.3
80°-90°	141.6	2.1
90°-100°	53.9	0.8
100°-110°	30.0	0.5
110°-120°	16.4	0.2
120°-130°	5.6	0.1
130°-140°	3.9	0.1
140°-150°	2.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2027.9	30.7
0°-40°	3309.6	50.1
0°-60°	5374.2	81.4
0°-90°	6490.6	98.3
90°-120°	100.4	1.5
90°-150°	112.2	1.7
90°-180°	112.0	1.7
0°-180°	6603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2025	2025	2025	2025	2025	
5°	2029	2037	1978	2066	2079	193
15°	1942	2091	2512	2803	2854	549
25°	1784	2156	2624	2819	2805	820
35°	1540	1942	2237	2205	2156	962
45°	1209	1510	1639	1514	1415	934
55°	828	1044	1111	1014	942	743
65°	454	656	703	645	574	456
75°	190	400	376	301	254	205
85°	41	199	134	100	78	47
90°	2	128	74	48	34	3
95°	0	89	55	37	26	0
105°	0	22	40	35	27	0
115°	0	17	7	27	30	0
125°	1	13	6	5	0	1
135°	1	7	6	6	0	1
145°	1	4	4	5	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



TEST NUMBER: P232626

CATALOG NUMBER: 4SKB1-LD5-6-N-UNV-L850-CD1-RS-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2025.1	2025.1	2025.1	2025.1	2025.1
2.5°	2035.0	2031.4	2029.6	2046.6	2019.7
5°	2028.7	2036.8	1977.5	2065.5	2079.0
7.5°	2017.9	1994.5	2105.0	2299.0	2345.7
10°	1992.7	1967.6	2278.3	2493.0	2544.1
12.5°	1985.6	2018.8	2389.7	2678.0	2749.8
15°	1942.5	2090.6	2511.8	2802.8	2854.0
17.5°	1912.8	2141.8	2609.7	2850.4	2886.3
20°	1876.9	2157.1	2654.6	2877.3	2916.8
22.5°	1829.3	2172.4	2646.5	2878.2	2910.5
25°	1783.5	2156.2	2624.1	2818.9	2804.6
27.5°	1727.8	2120.3	2581.0	2729.1	2708.5
30°	1669.5	2081.7	2500.1	2583.7	2548.6
32.5°	1612.9	2024.2	2370.8	2396.0	2355.6
35°	1540.1	1942.5	2237.0	2204.7	2156.2
37.5°	1466.5	1846.4	2094.2	2008.9	1911.9
40°	1383.9	1737.7	1938.0	1838.3	1726.0
42.5°	1298.6	1621.9	1789.8	1668.6	1560.8
45°	1208.8	1509.6	1638.9	1514.1	1415.3
47.5°	1127.9	1395.6	1497.0	1368.6	1282.4
50°	1031.8	1277.0	1362.3	1238.4	1158.5
52.5°	934.9	1163.0	1228.5	1119.9	1047.1
55°	828.0	1044.4	1110.9	1013.9	942.0
57.5°	730.1	939.3	991.4	915.1	842.4
60°	636.7	834.3	889.1	816.3	756.1
62.5°	540.6	743.6	795.7	731.9	664.5
65°	454.4	655.6	703.2	644.8	573.8
67.5°	378.1	581.0	624.1	546.0	478.7
70°	306.2	514.6	544.2	457.1	396.0
72.5°	242.5	452.6	462.5	371.8	317.9
75°	189.5	399.6	376.3	300.8	254.1
77.5°	141.0	352.9	303.5	238.9	199.4
80°	102.4	306.2	238.9	182.3	153.6
82.5°	70.9	252.3	183.2	137.4	113.2
85°	41.3	199.4	133.8	99.7	78.1
87.5°	15.3	161.6	97.9	67.4	52.1
90°	1.8	127.5	73.6	48.5	34.1
92.5°	0.9	107.8	61.1	40.4	27.8
95°	0.0	88.9	54.8	36.8	26.0
97.5°	0.0	70.0	50.3	35.9	26.0
100°	0.0	45.8	46.7	34.1	25.1
102.5°	0.0	26.0	44.0	34.1	26.0
105°	0.0	22.5	40.4	35.0	26.9
107.5°	0.0	20.7	35.9	36.8	28.7
110°	0.0	19.8	23.3	37.7	30.5



TEST NUMBER: P232626

CATALOG NUMBER: 4SKB1-LD5-6-N-UNV-L850-CD1-RS-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.0	9.0	38.6	32.3
115°	0.0	17.1	7.2	26.9	30.5
117.5°	0.0	16.2	7.2	18.9	19.8
120°	0.9	14.4	7.2	5.4	5.4
122.5°	0.9	13.5	6.3	5.4	0.0
125°	0.9	12.6	6.3	5.4	0.0
127.5°	0.9	10.8	6.3	6.3	0.0
130°	0.9	9.9	6.3	5.4	0.0
132.5°	0.9	9.0	6.3	6.3	0.0
135°	0.9	7.2	6.3	6.3	0.0
137.5°	0.9	6.3	5.4	6.3	0.0
140°	0.9	5.4	5.4	6.3	0.0
142.5°	0.9	4.5	5.4	6.3	0.0
145°	0.9	3.6	4.5	5.4	0.0
147.5°	0.9	2.7	4.5	5.4	0.0
150°	0.9	2.7	3.6	5.4	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)