

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: P184013

Luminaire Tested: **12SR-LD2-12-S-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P184013  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P166788)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 12SR-LD2-12-S-UNV-L835-CD1-U  
Description: METALUX SKYRIDGE EDGELIT LED 1X2 TROFFER  
  
Light Source: EATON LED 3500K  
Ballast/Driver: OSRAM ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1186.3 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.54 / 1.5  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

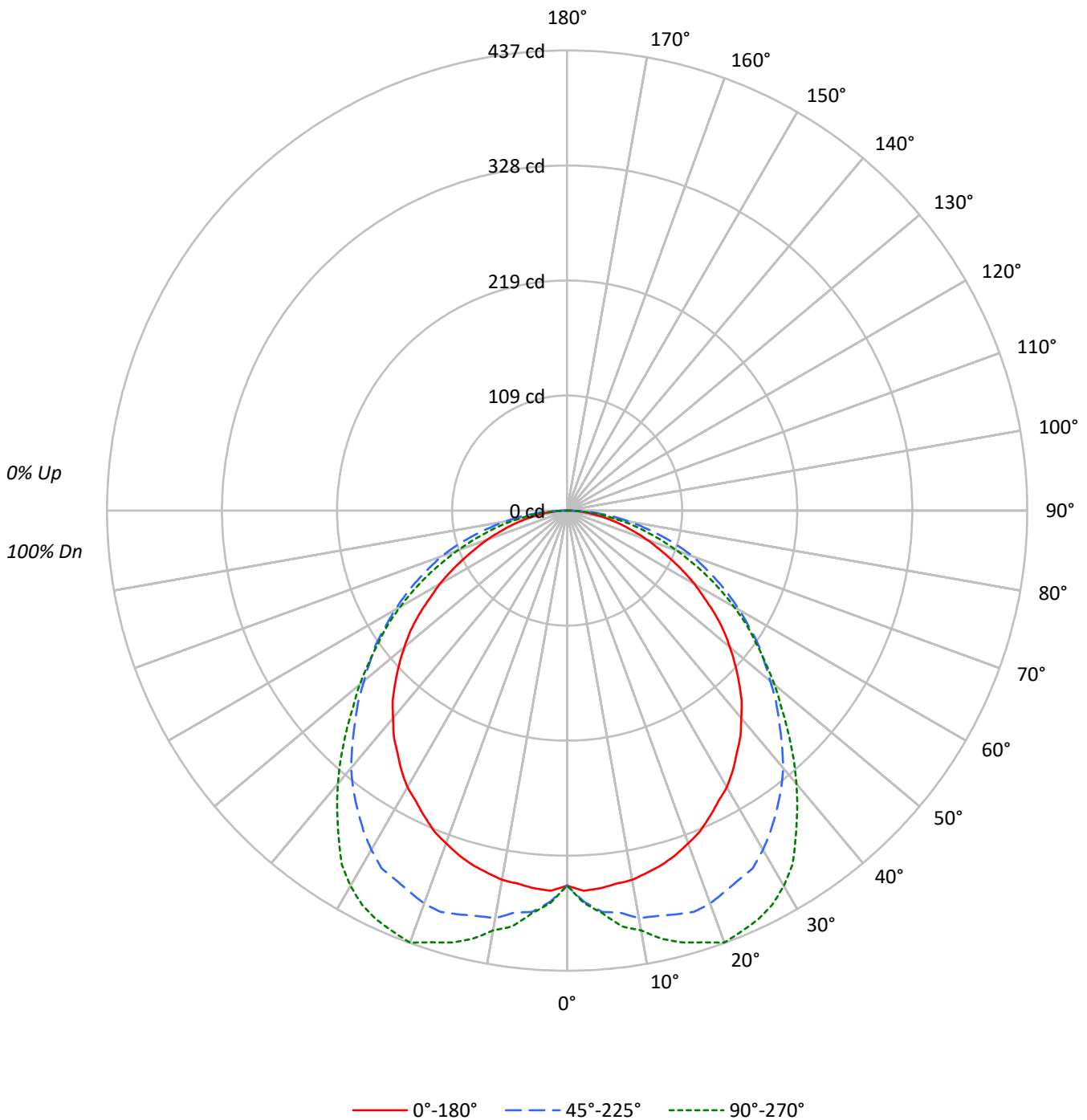
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	73	61	53	47	59	52	46	57	51	46	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1917	1917	1917
5°	1945	2066	2073
10°	1946	2148	2213
15°	1940	2212	2366
20°	1926	2274	2501
25°	1903	2295	2545
30°	1885	2311	2557
35°	1846	2279	2487
40°	1807	2243	2381
45°	1757	2168	2258
50°	1690	2109	2153
55°	1609	2079	2054
60°	1505	2030	1973
65°	1378	1998	1864
70°	1267	1992	1744
75°	1152	1919	1618
80°	1023	1838	1512
85°	976	1791	1303



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.2	3.1
10°-20°	110.9	9.4
20°-30°	175.3	14.8
30°-40°	210.8	17.8
40°-50°	210.9	17.8
50°-60°	185.5	15.6
60°-70°	141.8	12.0
70°-80°	86.8	7.3
80°-90°	28.0	2.4
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°	322.5	27.2
0°-40°	533.3	45.0
0°-60°	929.8	78.4
0°-90°	1186.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1186.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	356	356	356	356	356	
5°	360	368	382	384	384	34
15°	348	368	397	417	425	98
25°	320	343	386	417	429	148
35°	281	302	347	372	378	176
45°	231	247	285	295	297	178
55°	172	194	222	220	219	153
65°	108	138	157	149	146	108
75°	55	88	92	82	78	59
85°	16	32	29	22	21	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	356.1	356.1	356.1	356.1	356.1
2.5°	361.4	360.1	371.9	373.3	373.3
5°	360.1	368.0	382.5	383.8	383.8
7.5°	357.4	373.3	385.1	394.3	398.3
10°	356.1	374.6	393.0	399.7	404.9
12.5°	352.1	371.9	394.3	408.9	416.7
15°	348.2	368.0	397.0	416.7	424.7
17.5°	342.9	365.3	399.7	420.7	429.9
20°	336.3	361.4	397.0	423.4	436.6
22.5°	329.7	352.1	391.7	422.0	432.6
25°	320.5	342.9	386.5	416.7	428.6
27.5°	311.2	333.7	382.5	411.5	422.0
30°	303.3	324.4	371.9	399.7	411.5
32.5°	292.8	313.9	360.1	387.7	398.3
35°	281.0	302.0	346.9	371.9	378.5
37.5°	270.3	288.8	333.7	353.4	358.8
40°	257.2	274.3	319.2	333.7	338.9
42.5°	245.3	262.4	302.0	317.9	317.9
45°	230.8	246.6	284.8	295.4	296.7
47.5°	216.3	234.7	269.1	275.6	275.6
50°	201.8	221.6	251.9	257.2	257.2
52.5°	187.3	207.0	236.1	238.7	237.4
55°	171.5	193.8	221.6	220.2	218.9
57.5°	154.3	179.3	204.4	201.8	201.8
60°	139.8	166.1	188.6	184.6	183.3
62.5°	124.0	151.7	172.8	167.5	164.8
65°	108.2	138.5	156.9	149.1	146.4
67.5°	93.7	126.6	141.1	130.6	127.9
70°	80.5	113.4	126.6	113.4	110.8
72.5°	67.3	100.2	109.5	97.6	93.7
75°	55.4	88.3	92.3	81.8	77.8
77.5°	43.6	75.1	75.1	64.6	63.3
80°	33.0	62.0	59.3	50.1	48.8
82.5°	23.7	46.2	44.9	36.9	34.3
85°	15.8	31.7	29.0	22.4	21.1
87.5°	7.9	15.8	13.2	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)