

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: P183988

Luminaire Tested: **12SR-LD2-9-C-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P183988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34460)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 12SR-LD2-9-C-UNV-L835-CD1-U  
Description: METALUX SKYRIDGE EDGELIT LED 1X2 TROFFER  
  
Light Source: EATON LED 3500K  
Ballast/Driver: OSRAM ELECTRONIC DRIVER

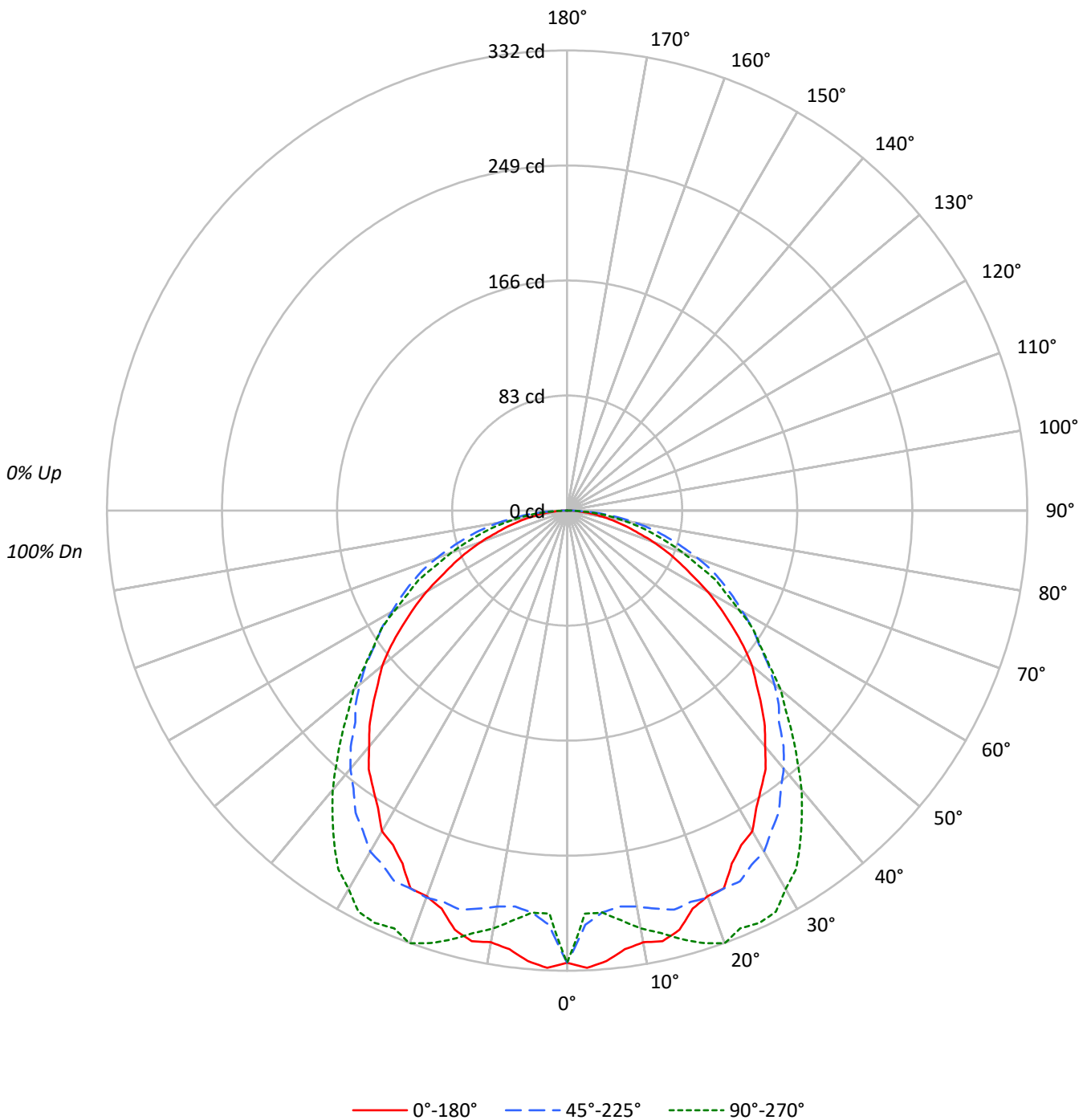
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 927.0 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.39 / 1.38  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.1  
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	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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

	0°	45°	90°
0°	1756	1756	1756
5°	1762	1573	1573
10°	1728	1585	1673
15°	1745	1661	1784
20°	1696	1702	1903
25°	1669	1752	1949
30°	1660	1766	1959
35°	1604	1748	1926
40°	1560	1708	1848
45°	1508	1645	1751
50°	1458	1634	1684
55°	1361	1587	1596
60°	1260	1573	1540
65°	1146	1580	1504
70°	1039	1574	1400
75°	915	1560	1331
80°	806	1550	1271
85°	741	1482	1173



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.5	3.1
10°-20°	85.2	9.2
20°-30°	135.6	14.6
30°-40°	163.4	17.6
40°-50°	163.9	17.7
50°-60°	144.9	15.6
60°-70°	111.9	12.1
70°-80°	70.1	7.6
80°-90°	23.3	2.5
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°	249.3	26.9
0°-40°	412.8	44.5
0°-60°	721.6	77.8
0°-90°	927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	326	326	326	326	326	
5°	326	294	291	293	291	31
15°	313	277	298	315	320	87
25°	281	261	295	322	328	130
35°	244	227	266	286	293	153
45°	198	189	216	225	230	153
55°	145	148	169	171	170	130
65°	90	108	124	117	118	89
75°	44	70	75	66	64	47
85°	12	26	24	20	19	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	326.2	326.2	326.2	326.2	326.2
2.5°	330.2	317.2	299.1	293.1	291.1
5°	326.2	294.1	291.1	293.1	291.1
7.5°	319.2	286.1	288.1	296.1	298.1
10°	316.2	287.1	290.1	304.1	306.1
12.5°	318.2	281.1	294.1	309.1	312.1
15°	313.1	277.1	298.1	315.2	320.2
17.5°	301.1	275.1	296.1	318.2	327.2
20°	296.1	272.1	297.1	321.2	332.2
22.5°	295.1	266.1	295.1	322.2	326.2
25°	281.1	261.1	295.1	322.2	328.2
27.5°	272.1	254.1	288.1	313.1	326.2
30°	267.1	245.1	284.1	307.1	315.2
32.5°	254.1	237.1	274.1	297.1	307.1
35°	244.1	227.1	266.1	286.1	293.1
37.5°	235.1	218.1	253.1	272.1	278.1
40°	222.1	209.1	243.1	257.1	263.1
42.5°	211.1	200.1	231.1	244.1	246.1
45°	198.1	189.1	216.1	225.1	230.1
47.5°	185.1	178.1	207.1	212.1	214.1
50°	174.1	169.1	195.1	199.1	201.1
52.5°	160.1	158.1	183.1	184.1	184.1
55°	145.1	148.1	169.1	171.1	170.1
57.5°	131.1	138.1	159.1	157.1	159.1
60°	117.1	127.1	146.1	145.1	143.1
62.5°	102.0	118.1	135.1	131.1	129.1
65°	90.0	108.1	124.1	117.1	118.1
67.5°	78.0	98.0	113.1	103.0	101.0
70°	66.0	88.0	100.0	91.0	89.0
72.5°	54.0	80.0	87.0	78.0	76.0
75°	44.0	70.0	75.0	66.0	64.0
77.5°	35.0	60.0	63.0	55.0	53.0
80°	26.0	50.0	50.0	43.0	41.0
82.5°	19.0	38.0	37.0	31.0	31.0
85°	12.0	26.0	24.0	20.0	19.0
87.5°	6.0	12.0	11.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)