

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: P184008

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P184008  
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-LD2-9-S-UNV-L835-CD1-U  
Description: METALUX SKYRIDGE EDGELIT LED 1X2 TROFFER  
  
Light Source: EATON LED 3500K  
Ballast/Driver: OSRAM ELECTRONIC DRIVER

**Summary**

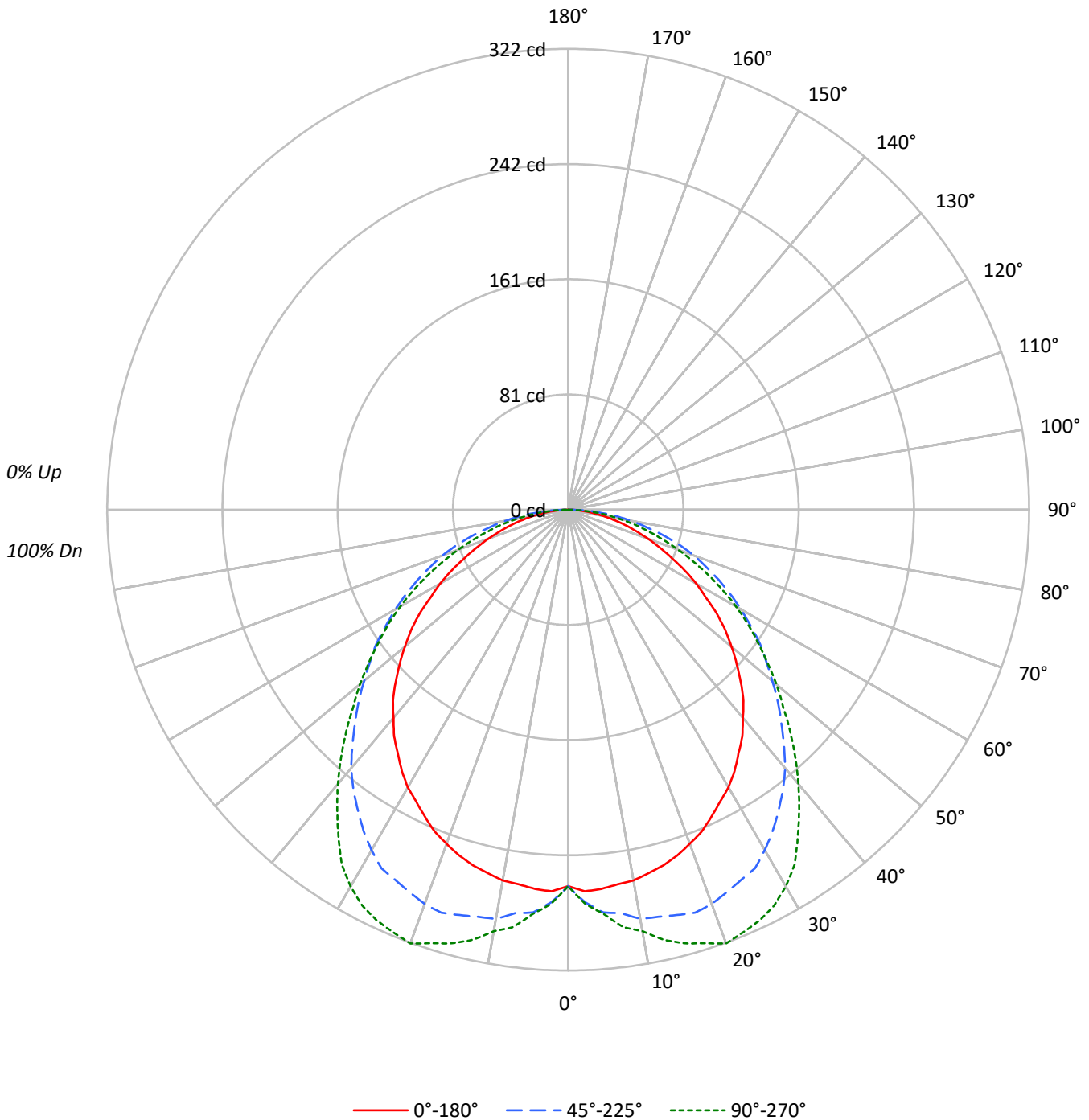
Lumens per Lamp: N/A  
Luminaire Lumens: 876.3 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.54 / 1.5  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.1  
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	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°	1415	1415	1415
5°	1437	1526	1532
10°	1437	1586	1635
15°	1433	1634	1748
20°	1423	1679	1847
25°	1406	1695	1880
30°	1392	1707	1889
35°	1363	1683	1837
40°	1334	1657	1759
45°	1298	1601	1668
50°	1248	1558	1590
55°	1189	1536	1517
60°	1112	1499	1457
65°	1018	1476	1377
70°	935	1471	1287
75°	850	1418	1196
80°	753	1358	1119
85°	722	1321	963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.8	3.1
10°-20°	81.9	9.4
20°-30°	129.5	14.8
30°-40°	155.7	17.8
40°-50°	155.8	17.8
50°-60°	137.1	15.6
60°-70°	104.7	12.0
70°-80°	64.1	7.3
80°-90°	20.7	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°	238.2	27.2
0°-40°	393.9	45.0
0°-60°	686.8	78.4
0°-90°	876.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	263	263	263	263	263	
5°	266	272	282	284	284	25
15°	257	272	293	308	314	73
25°	237	253	286	308	317	109
35°	208	223	256	275	280	130
45°	170	182	210	218	219	131
55°	127	143	164	163	162	113
65°	80	102	116	110	108	80
75°	41	65	68	60	58	43
85°	12	23	21	17	16	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	263.0	263.0	263.0	263.0	263.0
2.5°	266.9	266.0	274.7	275.7	275.7
5°	266.0	271.8	282.5	283.5	283.5
7.5°	264.0	275.7	284.4	291.3	294.2
10°	263.0	276.7	290.3	295.2	299.1
12.5°	260.1	274.7	291.3	302.0	307.8
15°	257.2	271.8	293.2	307.8	313.7
17.5°	253.3	269.8	295.2	310.8	317.6
20°	248.4	266.9	293.2	312.7	322.5
22.5°	243.5	260.1	289.3	311.7	319.5
25°	236.7	253.3	285.5	307.8	316.6
27.5°	229.9	246.5	282.5	303.9	311.7
30°	224.0	239.6	274.7	295.2	303.9
32.5°	216.3	231.9	266.0	286.4	294.2
35°	207.5	223.1	256.2	274.7	279.6
37.5°	199.7	213.3	246.5	261.1	265.0
40°	189.9	202.6	235.8	246.5	250.3
42.5°	181.2	193.8	223.1	234.8	234.8
45°	170.5	182.2	210.4	218.2	219.2
47.5°	159.7	173.4	198.7	203.6	203.6
50°	149.0	163.7	186.1	189.9	189.9
52.5°	138.3	152.9	174.4	176.3	175.4
55°	126.7	143.2	163.7	162.7	161.7
57.5°	114.0	132.5	151.0	149.0	149.0
60°	103.3	122.7	139.3	136.4	135.4
62.5°	91.6	112.0	127.6	123.7	121.8
65°	79.9	102.3	115.9	110.1	108.1
67.5°	69.2	93.5	104.2	96.5	94.5
70°	59.4	83.8	93.5	83.8	81.8
72.5°	49.7	74.0	80.9	72.1	69.2
75°	40.9	65.2	68.2	60.4	57.5
77.5°	32.2	55.5	55.5	47.7	46.8
80°	24.3	45.8	43.8	37.0	36.1
82.5°	17.5	34.1	33.1	27.3	25.4
85°	11.7	23.4	21.4	16.6	15.6
87.5°	5.9	11.7	9.7	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)