

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: P183993

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183993
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-LD2-12-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: 1255.0 lumens
Efficiency: N/A
Efficacy: 126.8 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

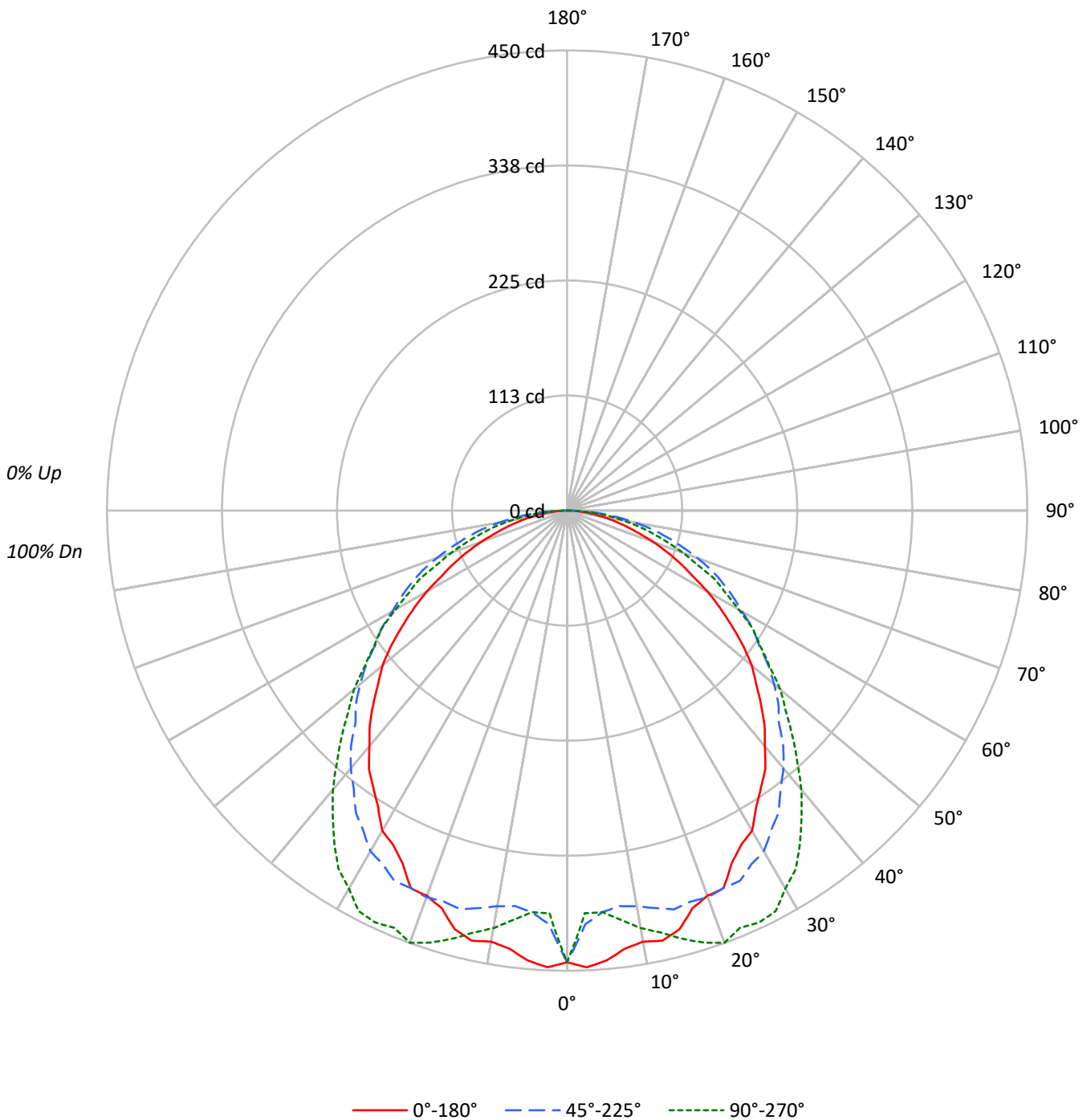
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2377	2377	2377
5°	2386	2130	2130
10°	2339	2147	2265
15°	2362	2249	2415
20°	2296	2304	2576
25°	2260	2373	2638
30°	2247	2391	2652
35°	2171	2367	2608
40°	2113	2312	2503
45°	2041	2227	2371
50°	1973	2211	2279
55°	1843	2148	2161
60°	1706	2129	2085
65°	1552	2139	2035
70°	1407	2131	1896
75°	1239	2113	1803
80°	1091	2098	1720
85°	1007	2007	1587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	3.1
10°-20°	115.4	9.2
20°-30°	183.6	14.6
30°-40°	221.3	17.6
40°-50°	221.8	17.7
50°-60°	196.2	15.6
60°-70°	151.5	12.1
70°-80°	95.0	7.6
80°-90°	31.6	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°	337.6	26.9
0°-40°	558.9	44.5
0°-60°	976.9	77.8
0°-90°	1255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	442	398	394	397	394	42
15°	424	375	404	427	433	118
25°	381	354	400	436	444	176
35°	330	308	360	387	397	207
45°	268	256	293	305	312	207
55°	196	200	229	232	230	176
65°	122	146	168	158	160	121
75°	60	95	102	89	87	64
85°	16	35	32	27	26	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.6	441.6	441.6	441.6	441.6
2.5°	447.0	429.4	405.0	396.9	394.2
5°	441.6	398.2	394.2	396.9	394.2
7.5°	432.1	387.4	390.1	400.9	403.6
10°	428.0	388.7	392.8	411.8	414.5
12.5°	430.7	380.6	398.2	418.5	422.6
15°	424.0	375.2	403.6	426.7	433.4
17.5°	407.7	372.5	400.9	430.7	442.9
20°	400.9	368.4	402.3	434.8	449.7
22.5°	399.6	360.3	399.6	436.1	441.6
25°	380.6	353.5	399.6	436.1	444.3
27.5°	368.4	344.0	390.1	424.0	441.6
30°	361.6	331.8	384.7	415.8	426.7
32.5°	344.0	321.0	371.1	402.3	415.8
35°	330.5	307.5	360.3	387.4	396.9
37.5°	318.3	295.3	342.7	368.4	376.5
40°	300.7	283.1	329.1	348.1	356.2
42.5°	285.8	270.9	312.9	330.5	333.2
45°	268.2	256.0	292.6	304.8	311.5
47.5°	250.6	241.1	280.4	287.1	289.9
50°	235.7	228.9	264.1	269.5	272.2
52.5°	216.7	214.0	247.9	249.2	249.2
55°	196.4	200.5	228.9	231.6	230.3
57.5°	177.4	186.9	215.4	212.7	215.4
60°	158.5	172.0	197.8	196.4	193.7
62.5°	138.2	159.8	182.9	177.4	174.7
65°	121.9	146.3	168.0	158.5	159.8
67.5°	105.6	132.7	153.1	139.5	136.8
70°	89.4	119.2	135.4	123.3	120.5
72.5°	73.1	108.4	117.8	105.6	102.9
75°	59.6	94.8	101.6	89.4	86.7
77.5°	47.4	81.3	85.3	74.5	71.8
80°	35.2	67.7	67.7	58.2	55.5
82.5°	25.7	51.5	50.1	42.0	42.0
85°	16.3	35.2	32.5	27.1	25.7
87.5°	8.1	16.3	14.9	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)