

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: P183918

Luminaire Tested: **14SR-LD2-30-C-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34451)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14SR-LD2-30-C-UNV-L835-CD1-U
Description: METALUX SKYRIDGE EDGELIT LED 1X4 TROFFER

Light Source: EATON LED 3500K
Ballast/Driver: OSRAM ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3045.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.42 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

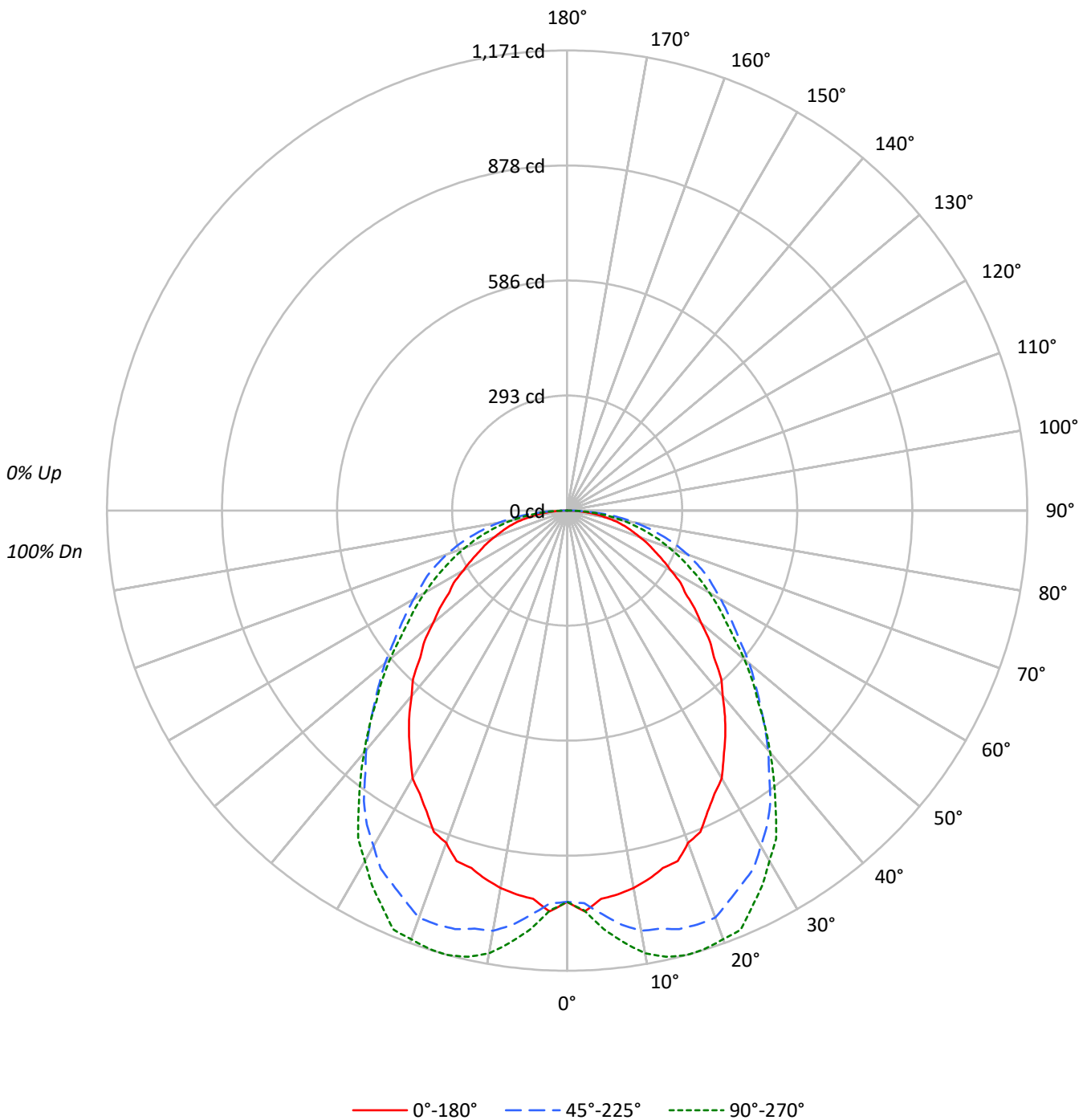
Input Watts (W): 24.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2680	2680	2680
5°	2679	2786	2888
10°	2664	2967	3127
15°	2623	3071	3263
20°	2577	3157	3324
25°	2511	3118	3304
30°	2446	3062	3198
35°	2304	2963	3039
40°	2164	2794	2824
45°	2010	2638	2614
50°	1862	2535	2465
55°	1724	2439	2312
60°	1640	2427	2248
65°	1569	2499	2194
70°	1544	2563	2168
75°	1563	2626	2171
80°	1520	2718	2201
85°	1482	2773	2192



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	3.3
10°-20°	308.2	10.1
20°-30°	474.5	15.6
30°-40°	543.2	17.8
40°-50°	513.5	16.9
50°-60°	436.1	14.3
60°-70°	346.8	11.4
70°-80°	235.1	7.7
80°-90°	87.2	2.9
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°	883.1	29.0
0°-40°	1426.3	46.8
0°-60°	2375.9	78.0
0°-90°	3045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	992	1013	1031	1067	1069	94
15°	942	1042	1102	1167	1171	267
25°	846	988	1050	1107	1113	390
35°	702	844	902	927	925	438
45°	528	654	693	702	687	411
55°	368	478	520	507	493	334
65°	246	353	392	359	344	246
75°	150	242	253	217	209	158
85°	48	102	90	73	71	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.9	995.9	995.9	995.9	995.9
2.5°	1021.0	1006.4	1000.1	1021.0	1018.9
5°	991.8	1012.6	1031.4	1066.9	1069.0
7.5°	985.5	1033.5	1062.8	1106.6	1108.7
10°	975.1	1037.7	1085.7	1137.9	1144.2
12.5°	960.4	1041.9	1089.9	1154.6	1163.0
15°	941.7	1041.9	1102.4	1167.1	1171.3
17.5°	935.4	1041.9	1104.5	1160.9	1169.2
20°	899.9	1031.4	1102.4	1152.5	1160.9
22.5°	885.3	1012.6	1075.3	1135.8	1154.6
25°	845.6	987.6	1050.2	1106.6	1112.9
27.5°	812.2	960.4	1027.3	1075.3	1075.3
30°	787.1	927.0	985.5	1031.4	1029.3
32.5°	741.2	881.1	947.9	983.4	989.7
35°	701.5	843.5	902.0	927.0	925.0
37.5°	659.8	795.5	843.5	872.8	864.4
40°	615.9	747.5	795.5	814.3	803.9
42.5°	580.4	697.4	743.3	755.8	745.4
45°	528.2	653.5	693.2	701.5	686.9
47.5°	492.8	605.5	647.3	647.3	638.9
50°	444.7	559.6	605.5	593.0	588.8
52.5°	409.2	519.9	559.6	549.1	536.6
55°	367.5	478.1	519.9	507.4	492.8
57.5°	342.4	444.7	484.4	469.8	457.3
60°	304.8	411.3	451.0	432.2	417.6
62.5°	275.6	382.1	419.7	396.7	382.1
65°	246.4	352.9	392.5	359.1	344.5
67.5°	223.4	325.7	359.1	323.6	311.1
70°	196.3	294.4	325.7	288.1	275.6
72.5°	173.3	269.3	290.2	252.6	244.3
75°	150.3	242.2	252.6	217.1	208.8
77.5°	127.4	215.1	215.1	183.7	175.4
80°	98.1	183.7	175.4	148.2	142.0
82.5°	75.2	146.2	133.6	110.7	106.5
85°	48.0	102.3	89.8	73.1	71.0
87.5°	23.0	54.3	43.8	35.5	33.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)