

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: P183922

Luminaire Tested: **14SR-LD2-32-C-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183922
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-LD2-32-C-UNV-L830-CD1-U
Description: METALUX SKYRIDGE EDGELIT LED 1X4 TROFFER

Light Source: EATON LED 3000K
Ballast/Driver: OSRAM ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3159.3 lumens
Efficiency: N/A
Efficacy: 120.1 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

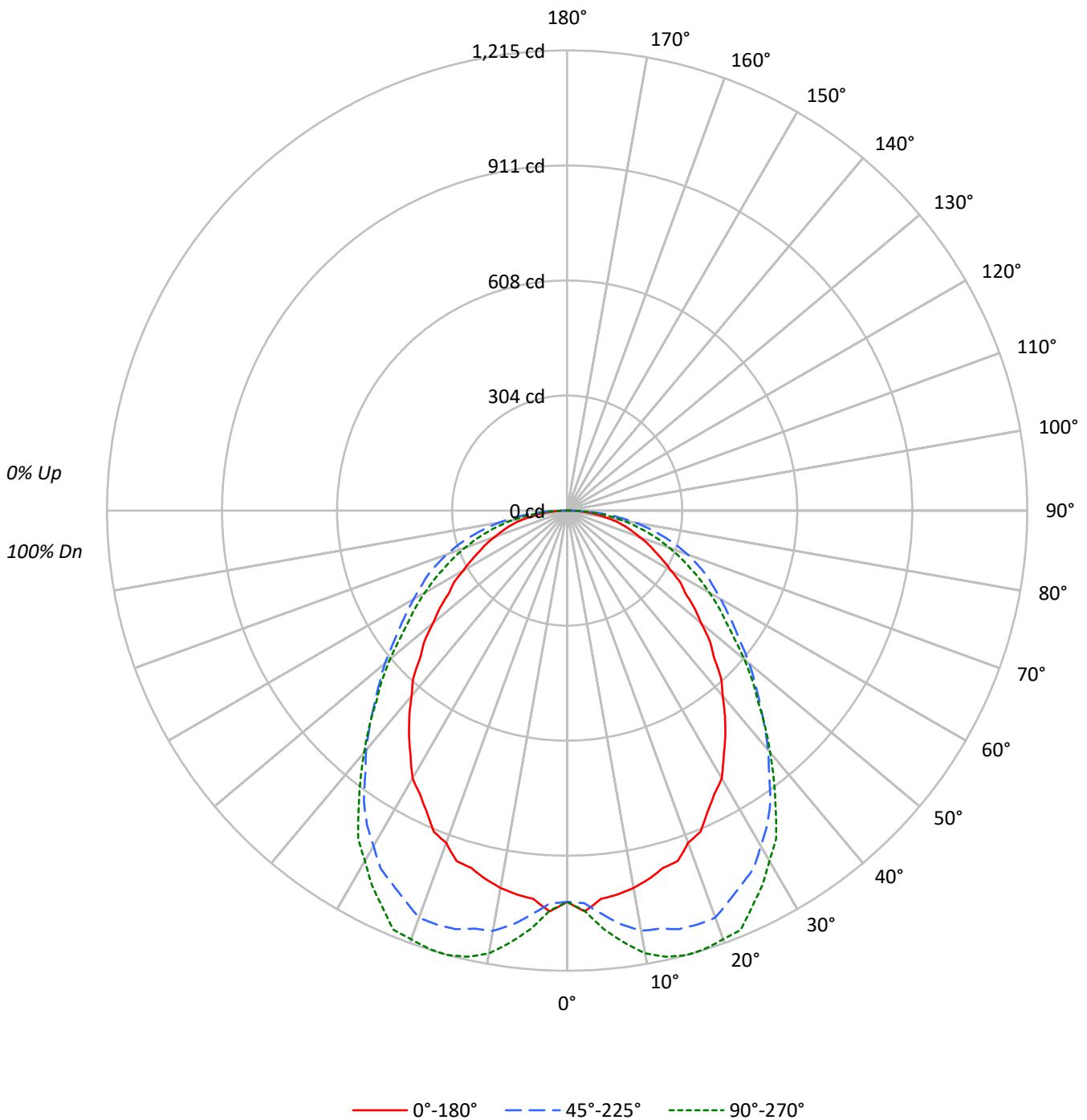
Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2781	2781	2781
5°	2780	2891	2996
10°	2764	3078	3244
15°	2722	3187	3386
20°	2674	3275	3449
25°	2605	3235	3428
30°	2538	3177	3319
35°	2391	3074	3153
40°	2245	2899	2930
45°	2086	2737	2712
50°	1932	2630	2557
55°	1789	2531	2398
60°	1702	2518	2332
65°	1628	2593	2276
70°	1602	2659	2250
75°	1622	2725	2252
80°	1578	2820	2283
85°	1538	2878	2276



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	3.3
10°-20°	319.8	10.1
20°-30°	492.4	15.6
30°-40°	563.6	17.8
40°-50°	532.8	16.9
50°-60°	452.5	14.3
60°-70°	359.8	11.4
70°-80°	243.9	7.7
80°-90°	90.4	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°	916.2	29.0
0°-40°	1479.8	46.8
0°-60°	2465.1	78.0
0°-90°	3159.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3159.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	1029	1051	1070	1107	1109	98
15°	977	1081	1144	1211	1215	277
25°	877	1025	1090	1148	1155	405
35°	728	875	936	962	960	455
45°	548	678	719	728	713	426
55°	381	496	539	526	511	346
65°	256	366	407	373	357	256
75°	156	251	262	225	217	164
85°	50	106	93	76	74	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1033.3	1033.3	1033.3	1033.3	1033.3
2.5°	1059.3	1044.2	1037.7	1059.3	1057.2
5°	1029.0	1050.7	1070.1	1107.0	1109.1
7.5°	1022.5	1072.3	1102.6	1148.1	1150.3
10°	1011.7	1076.6	1126.5	1180.6	1187.1
12.5°	996.5	1081.0	1130.8	1198.0	1206.6
15°	977.0	1081.0	1143.8	1211.0	1215.3
17.5°	970.5	1081.0	1146.0	1204.5	1213.1
20°	933.7	1070.1	1143.8	1195.8	1204.5
22.5°	918.5	1050.7	1115.6	1178.5	1198.0
25°	877.3	1024.7	1089.6	1148.1	1154.6
27.5°	842.7	996.5	1065.8	1115.6	1115.6
30°	816.7	961.8	1022.5	1070.1	1068.0
32.5°	769.0	914.2	983.5	1020.3	1026.8
35°	727.9	875.2	935.8	961.8	959.7
37.5°	684.5	825.4	875.2	905.5	896.8
40°	639.1	775.5	825.4	844.9	834.0
42.5°	602.2	723.5	771.2	784.2	773.4
45°	548.1	678.0	719.2	727.9	712.7
47.5°	511.2	628.2	671.6	671.6	662.9
50°	461.4	580.6	628.2	615.2	610.9
52.5°	424.6	539.4	580.6	569.7	556.7
55°	381.3	496.1	539.4	526.4	511.2
57.5°	355.3	461.4	502.6	487.4	474.4
60°	316.3	426.8	467.9	448.4	433.3
62.5°	286.0	396.4	435.4	411.6	396.4
65°	255.6	366.1	407.3	372.6	357.4
67.5°	231.8	337.9	372.6	335.8	322.8
70°	203.6	305.4	337.9	298.9	286.0
72.5°	179.8	279.5	301.1	262.1	253.5
75°	156.0	251.3	262.1	225.3	216.6
77.5°	132.1	223.1	223.1	190.6	182.0
80°	101.8	190.6	182.0	153.8	147.3
82.5°	78.0	151.6	138.6	114.8	110.5
85°	49.8	106.1	93.2	75.8	73.7
87.5°	23.8	56.3	45.5	36.8	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)