

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: P183923

Luminaire Tested: **14SR-LD2-32-C-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183923
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-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: 3257.0 lumens
Efficiency: N/A
Efficacy: 123.8 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

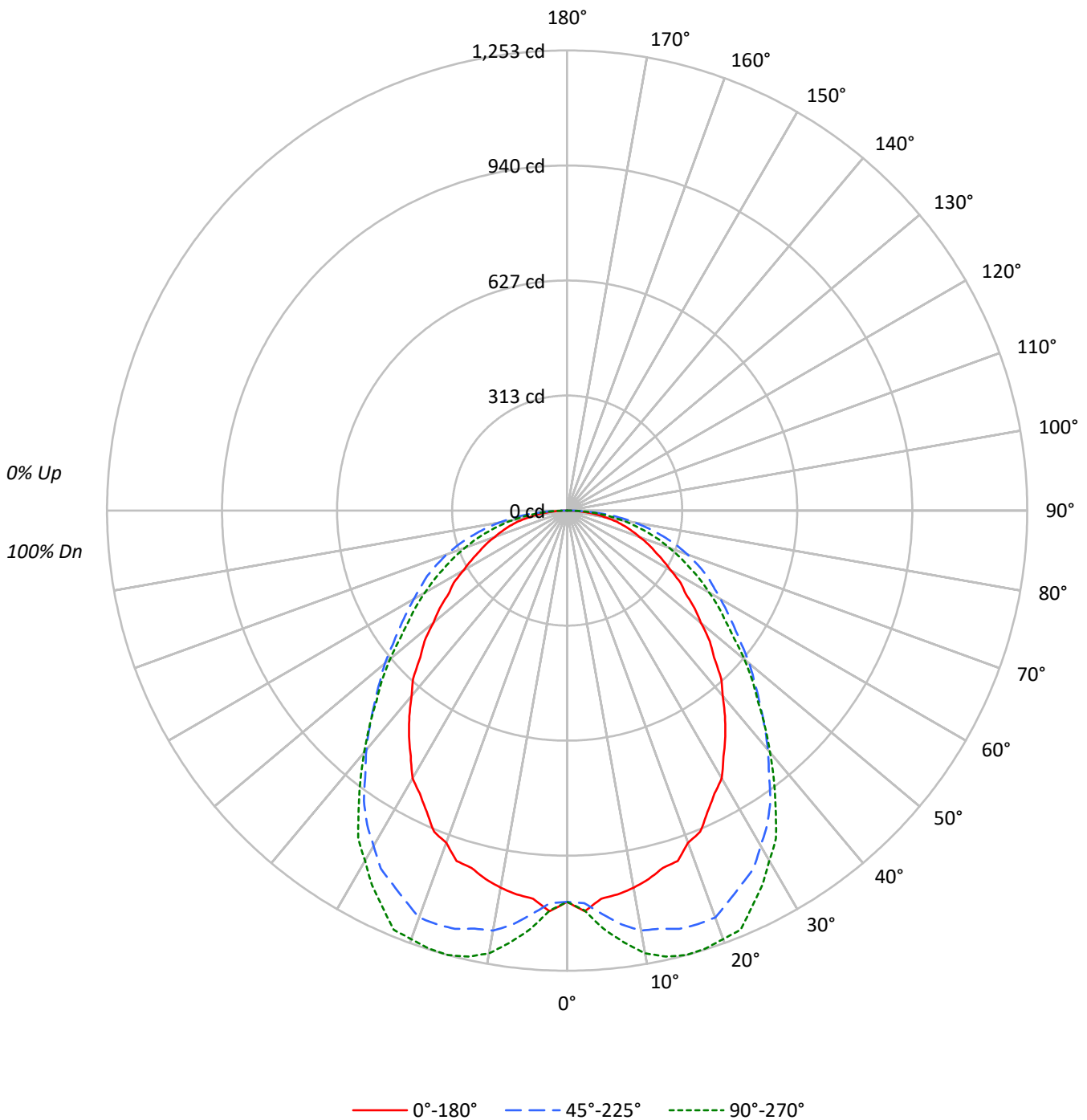
Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2867	2867	2867
5°	2865	2980	3089
10°	2850	3173	3344
15°	2806	3285	3490
20°	2756	3377	3556
25°	2686	3335	3534
30°	2616	3275	3421
35°	2465	3169	3250
40°	2314	2989	3020
45°	2150	2822	2796
50°	1991	2712	2637
55°	1844	2609	2473
60°	1755	2596	2404
65°	1678	2674	2346
70°	1651	2741	2319
75°	1672	2809	2322
80°	1627	2907	2354
85°	1587	2964	2343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	3.3
10°-20°	329.7	10.1
20°-30°	507.6	15.6
30°-40°	581.0	17.8
40°-50°	549.3	16.9
50°-60°	466.5	14.3
60°-70°	370.9	11.4
70°-80°	251.5	7.7
80°-90°	93.3	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°	944.5	29.0
0°-40°	1525.6	46.8
0°-60°	2541.3	78.0
0°-90°	3257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3257.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1065	1065	1065	1065	1065	
5°	1061	1083	1103	1141	1143	101
15°	1007	1114	1179	1248	1253	285
25°	904	1056	1123	1184	1190	417
35°	750	902	965	992	989	469
45°	565	699	742	750	735	440
55°	393	511	556	543	527	357
65°	264	377	420	384	368	264
75°	161	259	270	232	223	169
85°	51	109	96	78	76	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1092.1	1076.4	1069.7	1092.1	1089.8
5°	1060.8	1083.1	1103.2	1141.2	1143.4
7.5°	1054.1	1105.5	1136.7	1183.6	1185.9
10°	1042.9	1109.9	1161.3	1217.1	1223.8
12.5°	1027.3	1114.4	1165.8	1235.0	1243.9
15°	1007.2	1114.4	1179.2	1248.4	1252.9
17.5°	1000.5	1114.4	1181.4	1241.7	1250.6
20°	962.5	1103.2	1179.2	1232.8	1241.7
22.5°	946.9	1083.1	1150.1	1214.9	1235.0
25°	904.5	1056.3	1123.3	1183.6	1190.3
27.5°	868.7	1027.3	1098.8	1150.1	1150.1
30°	842.0	991.6	1054.1	1103.2	1101.0
32.5°	792.8	942.4	1013.9	1051.9	1058.6
35°	750.4	902.2	964.8	991.6	989.3
37.5°	705.7	850.9	902.2	933.5	924.6
40°	658.8	799.5	850.9	871.0	859.8
42.5°	620.9	745.9	795.1	808.5	797.3
45°	565.0	699.0	741.5	750.4	734.8
47.5°	527.1	647.7	692.3	692.3	683.4
50°	475.7	598.5	647.7	634.3	629.8
52.5°	437.7	556.1	598.5	587.4	574.0
55°	393.1	511.4	556.1	542.7	527.1
57.5°	366.3	475.7	518.1	502.5	489.1
60°	326.1	440.0	482.4	462.3	446.7
62.5°	294.8	408.7	448.9	424.3	408.7
65°	263.5	377.4	419.9	384.1	368.5
67.5°	239.0	348.4	384.1	346.2	332.8
70°	209.9	314.9	348.4	308.2	294.8
72.5°	185.4	288.1	310.4	270.2	261.3
75°	160.8	259.1	270.2	232.3	223.3
77.5°	136.2	230.0	230.0	196.5	187.6
80°	105.0	196.5	187.6	158.6	151.9
82.5°	80.4	156.3	142.9	118.4	113.9
85°	51.4	109.4	96.0	78.2	75.9
87.5°	24.6	58.1	46.9	38.0	35.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)