

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: P183967

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P166748)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14SR-LD2-32-S-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: 3149.7 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.5 / 1.46
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

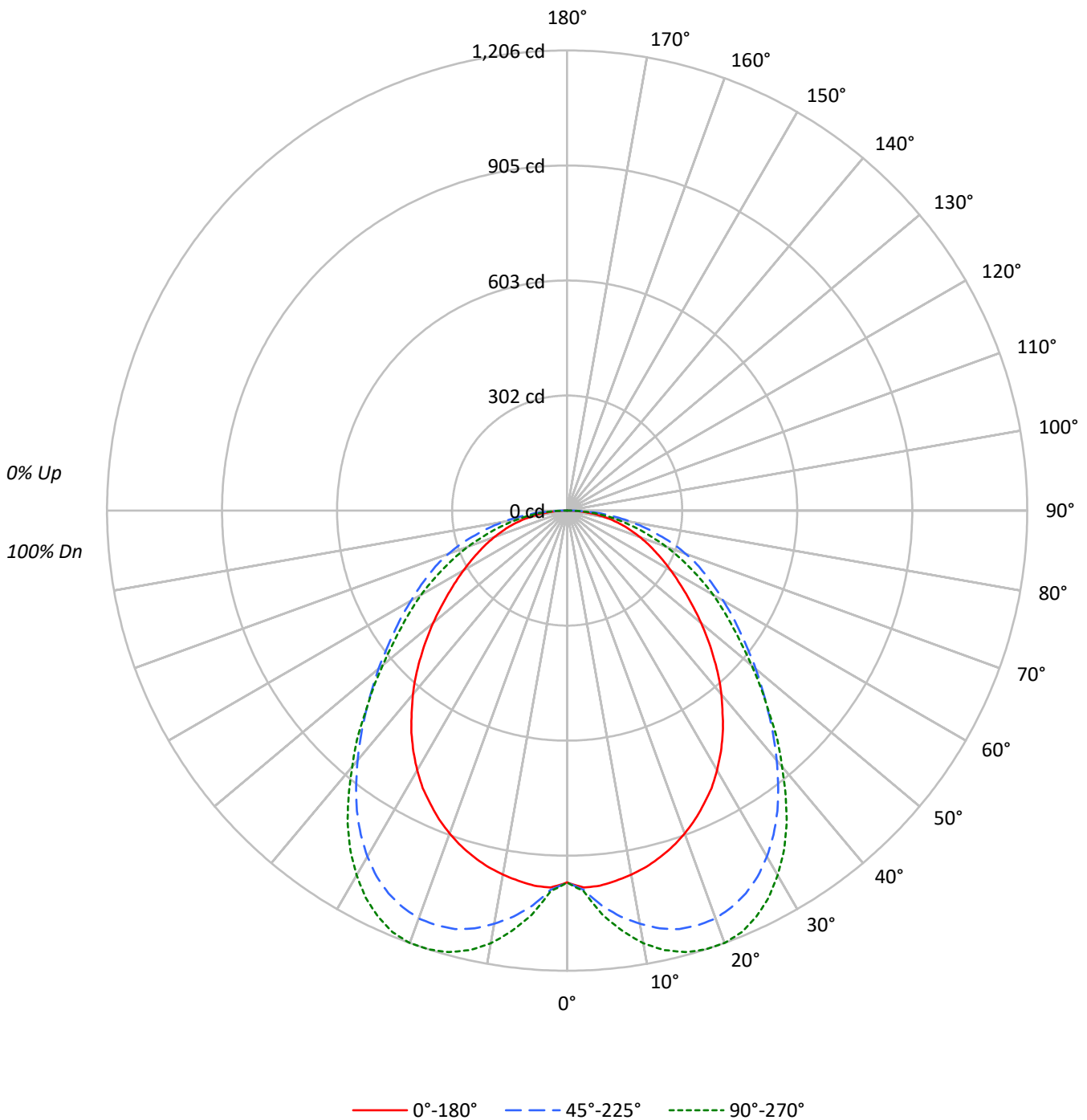
Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	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	36	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	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°	2623	2623	2623
5°	2666	2807	2872
10°	2647	3004	3147
15°	2621	3163	3337
20°	2578	3258	3453
25°	2518	3288	3485
30°	2442	3254	3429
35°	2337	3156	3295
40°	2210	3001	3078
45°	2065	2837	2845
50°	1918	2701	2642
55°	1782	2593	2479
60°	1687	2542	2380
65°	1626	2559	2265
70°	1597	2593	2166
75°	1588	2591	2069
80°	1559	2616	2024
85°	1491	2729	2047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	3.2
10°-20°	312.1	9.9
20°-30°	489.7	15.5
30°-40°	571.0	18.1
40°-50°	543.3	17.2
50°-60°	458.7	14.6
60°-70°	357.3	11.3
70°-80°	233.0	7.4
80°-90°	84.8	2.7
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°	901.6	28.6
0°-40°	1472.6	46.8
0°-60°	2474.5	78.6
0°-90°	3149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	987	991	1039	1063	1063	94
15°	941	1033	1136	1186	1198	265
25°	848	987	1107	1160	1174	390
35°	711	852	961	995	1003	444
45°	543	665	746	754	748	419
55°	380	498	553	537	528	342
65°	255	366	402	370	356	254
75°	153	245	249	209	199	160
85°	48	105	88	68	66	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	974.7	974.7	974.7	974.7	974.7
2.5°	988.8	976.8	994.9	1006.9	998.9
5°	986.9	990.9	1039.1	1063.1	1063.1
7.5°	978.7	1006.9	1073.2	1105.3	1111.4
10°	968.8	1020.9	1099.4	1141.6	1151.7
12.5°	956.7	1031.0	1121.5	1167.7	1179.8
15°	940.7	1033.1	1135.5	1185.7	1197.9
17.5°	922.4	1029.1	1139.5	1193.9	1205.9
20°	900.4	1020.9	1137.6	1191.8	1205.9
22.5°	876.2	1006.9	1125.5	1179.8	1195.8
25°	848.1	986.9	1107.4	1159.7	1173.8
27.5°	820.0	958.7	1081.4	1129.5	1143.5
30°	785.9	928.5	1047.1	1093.3	1103.4
32.5°	749.6	892.4	1006.9	1049.1	1057.2
35°	711.4	852.1	960.7	994.9	1002.9
37.5°	669.2	805.9	908.4	938.6	940.7
40°	629.1	759.7	854.2	878.3	876.2
42.5°	586.9	713.5	800.0	816.0	816.0
45°	542.6	665.2	745.6	753.6	747.7
47.5°	500.4	621.1	693.4	695.4	689.4
50°	458.2	576.8	645.2	639.2	631.2
52.5°	418.1	534.6	597.0	584.8	576.8
55°	379.8	498.5	552.7	536.7	528.5
57.5°	345.6	462.3	512.5	492.4	484.4
60°	313.5	428.1	472.3	450.2	442.2
62.5°	283.4	396.0	436.1	410.1	397.9
65°	255.3	365.8	401.9	369.8	355.7
67.5°	229.1	335.6	367.9	327.6	315.6
70°	203.0	305.5	329.6	287.4	275.3
72.5°	176.8	275.3	293.4	247.2	235.2
75°	152.7	245.2	249.2	208.9	199.0
77.5°	126.6	219.0	211.0	172.8	162.7
80°	100.6	185.0	168.8	136.7	130.6
82.5°	74.3	144.7	128.7	102.5	98.5
85°	48.3	104.6	88.4	68.3	66.3
87.5°	24.1	56.3	44.3	34.2	32.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)