

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: P183968

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183968
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-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: 3247.1 lumens
Efficiency: N/A
Efficacy: 123.5 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

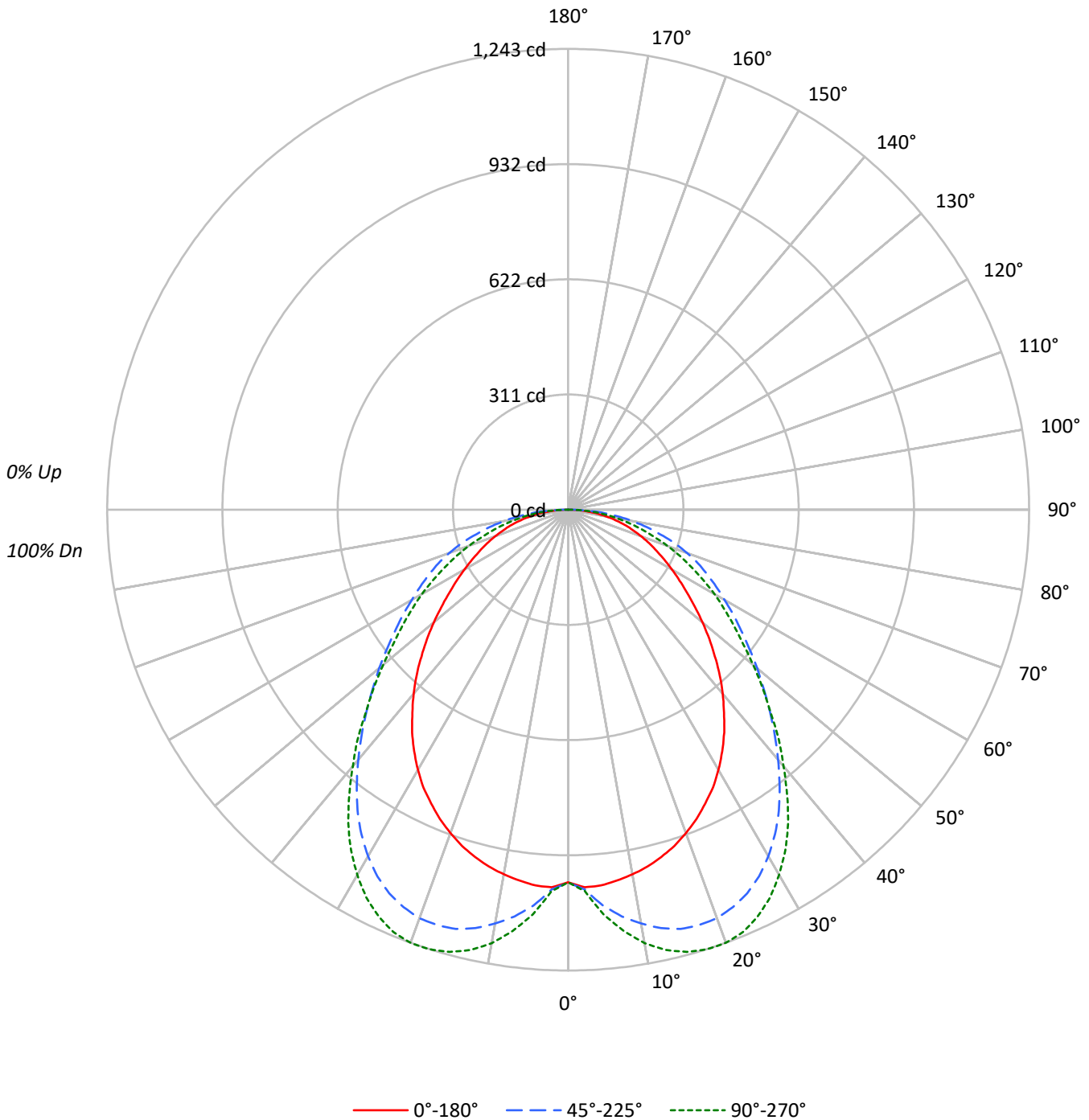
Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2704	2704	2704
5°	2748	2894	2961
10°	2729	3097	3244
15°	2702	3261	3440
20°	2658	3359	3560
25°	2596	3390	3593
30°	2518	3354	3535
35°	2409	3254	3396
40°	2278	3093	3173
45°	2129	2925	2933
50°	1978	2785	2724
55°	1837	2673	2556
60°	1739	2620	2454
65°	1676	2638	2335
70°	1647	2674	2233
75°	1637	2671	2133
80°	1607	2696	2087
85°	1538	2813	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	3.2
10°-20°	321.8	9.9
20°-30°	504.8	15.5
30°-40°	588.7	18.1
40°-50°	560.1	17.2
50°-60°	472.8	14.6
60°-70°	368.4	11.3
70°-80°	240.2	7.4
80°-90°	87.4	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°	929.4	28.6
0°-40°	1518.1	46.8
0°-60°	2551.0	78.6
0°-90°	3247.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3247.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1005	1005	1005	1005	1005	
5°	1017	1022	1071	1096	1096	96
15°	970	1065	1171	1222	1235	273
25°	874	1017	1142	1196	1210	403
35°	733	878	990	1026	1034	457
45°	559	686	769	777	771	432
55°	392	514	570	553	545	352
65°	263	377	414	381	367	262
75°	157	253	257	215	205	165
85°	50	108	91	70	68	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1004.9	1004.9	1004.9	1004.9	1004.9
2.5°	1019.4	1007.0	1025.6	1038.0	1029.8
5°	1017.4	1021.5	1071.3	1096.0	1096.0
7.5°	1009.0	1038.0	1106.4	1139.5	1145.8
10°	998.8	1052.5	1133.4	1176.9	1187.3
12.5°	986.2	1062.9	1156.2	1203.8	1216.3
15°	969.8	1065.0	1170.7	1222.4	1234.9
17.5°	951.0	1060.9	1174.8	1230.8	1243.2
20°	928.2	1052.5	1172.8	1228.7	1243.2
22.5°	903.3	1038.0	1160.3	1216.3	1232.8
25°	874.3	1017.4	1141.7	1195.6	1210.1
27.5°	845.3	988.4	1114.8	1164.4	1178.9
30°	810.2	957.2	1079.5	1127.2	1137.5
32.5°	772.8	920.0	1038.0	1081.5	1089.9
35°	733.4	878.5	990.4	1025.6	1033.9
37.5°	689.9	830.8	936.5	967.6	969.8
40°	648.5	783.2	880.6	905.5	903.3
42.5°	605.0	735.6	824.7	841.2	841.2
45°	559.4	685.8	768.7	776.9	770.8
47.5°	515.9	640.3	714.8	716.9	710.7
50°	472.4	594.6	665.2	658.9	650.7
52.5°	431.0	551.1	615.4	602.9	594.6
55°	391.6	513.9	569.8	553.3	544.9
57.5°	356.3	476.6	528.4	507.6	499.4
60°	323.2	441.4	486.9	464.1	455.9
62.5°	292.2	408.2	449.6	422.7	410.2
65°	263.2	377.1	414.3	381.2	366.7
67.5°	236.2	345.9	379.2	337.7	325.3
70°	209.3	315.0	339.8	296.3	283.8
72.5°	182.3	283.8	302.4	254.8	242.4
75°	157.4	252.8	256.9	215.4	205.2
77.5°	130.5	225.8	217.6	178.2	167.8
80°	103.7	190.7	174.0	140.9	134.7
82.5°	76.6	149.2	132.7	105.6	101.5
85°	49.8	107.8	91.1	70.4	68.4
87.5°	24.9	58.0	45.7	35.3	33.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)