

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: P183913

Luminaire Tested: **14SR-LD2-25-C-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P183913  
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-LD2-25-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: 2510.0 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

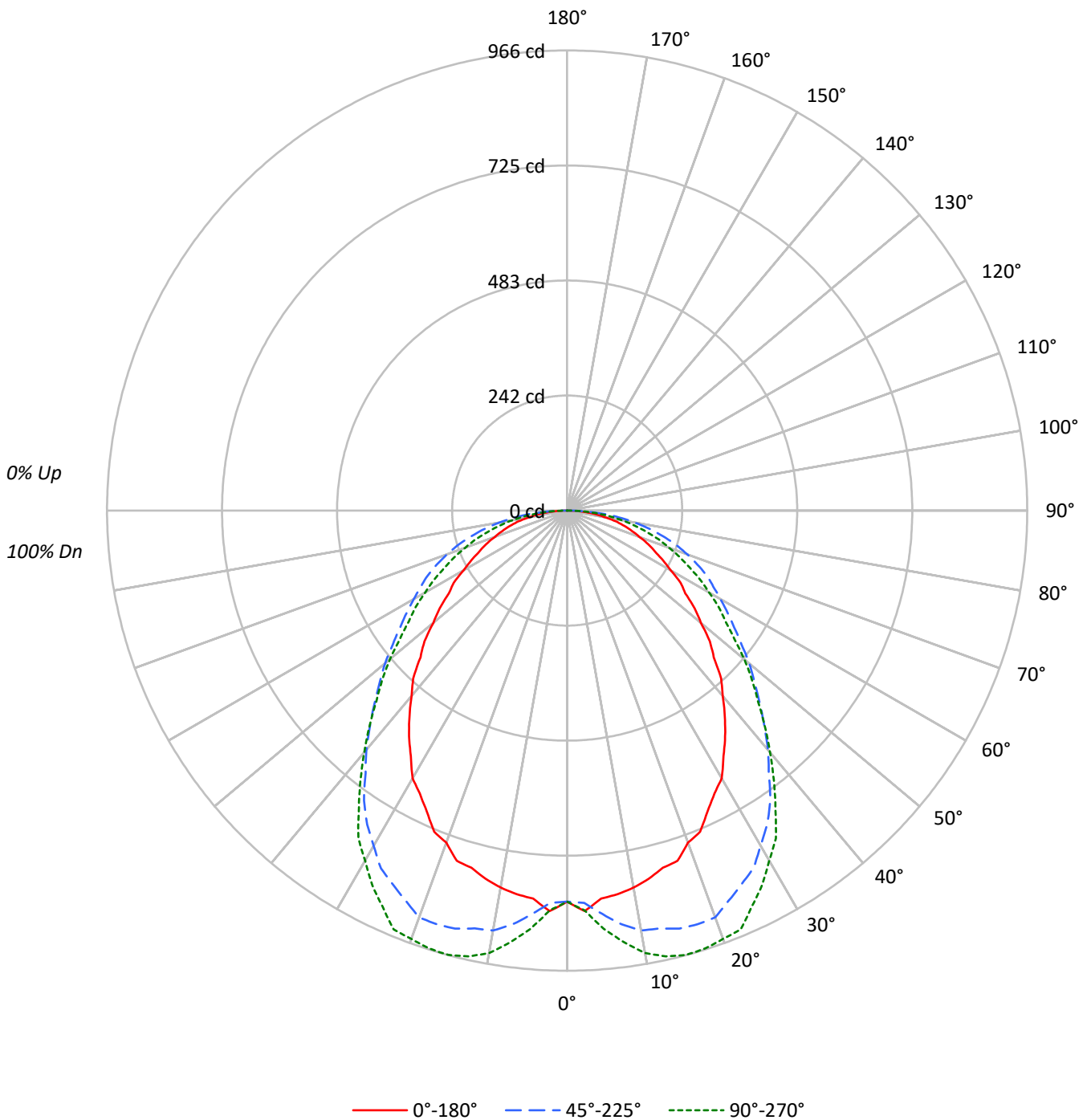
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2209	2209	2209
5°	2208	2297	2380
10°	2196	2446	2577
15°	2162	2532	2690
20°	2124	2602	2740
25°	2070	2570	2724
30°	2016	2524	2637
35°	1900	2442	2505
40°	1783	2303	2328
45°	1657	2175	2155
50°	1535	2089	2032
55°	1421	2010	1906
60°	1352	2001	1852
65°	1293	2060	1808
70°	1273	2113	1788
75°	1288	2166	1789
80°	1254	2241	1813
85°	1223	2285	1806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.7	3.3
10°-20°	254.0	10.1
20°-30°	391.2	15.6
30°-40°	447.8	17.8
40°-50°	423.3	16.9
50°-60°	359.5	14.3
60°-70°	285.9	11.4
70°-80°	193.8	7.7
80°-90°	71.9	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°	727.9	29.0
0°-40°	1175.7	46.8
0°-60°	1958.4	78.0
0°-90°	2510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2510.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	821	821	821	821	821	
5°	818	835	850	880	881	78
15°	776	859	909	962	966	220
25°	697	814	866	912	917	322
35°	578	695	744	764	762	361
45°	435	539	571	578	566	339
55°	303	394	428	418	406	275
65°	203	291	324	296	284	203
75°	124	200	208	179	172	130
85°	40	84	74	60	58	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	821.0	821.0	821.0	821.0	821.0
2.5°	841.6	829.6	824.4	841.6	839.9
5°	817.5	834.7	850.2	879.5	881.2
7.5°	812.3	851.9	876.0	912.2	913.9
10°	803.7	855.4	895.0	938.0	943.2
12.5°	791.7	858.8	898.4	951.8	958.6
15°	776.2	858.8	908.7	962.1	965.5
17.5°	771.0	858.8	910.5	956.9	963.8
20°	741.8	850.2	908.7	950.0	956.9
22.5°	729.7	834.7	886.4	936.3	951.8
25°	697.0	814.1	865.7	912.2	917.3
27.5°	669.5	791.7	846.8	886.4	886.4
30°	648.8	764.2	812.3	850.2	848.5
32.5°	611.0	726.3	781.4	810.6	815.8
35°	578.3	695.3	743.5	764.2	762.4
37.5°	543.9	655.7	695.3	719.4	712.5
40°	507.7	616.1	655.7	671.2	662.6
42.5°	478.5	574.8	612.7	623.0	614.4
45°	435.4	538.7	571.4	578.3	566.2
47.5°	406.2	499.1	533.5	533.5	526.7
50°	366.6	461.2	499.1	488.8	485.3
52.5°	337.3	428.5	461.2	452.6	442.3
55°	302.9	394.1	428.5	418.2	406.2
57.5°	282.3	366.6	399.3	387.2	376.9
60°	251.3	339.1	371.8	356.3	344.2
62.5°	227.2	315.0	345.9	327.0	315.0
65°	203.1	290.9	323.6	296.0	284.0
67.5°	184.2	268.5	296.0	266.8	256.4
70°	161.8	242.7	268.5	237.5	227.2
72.5°	142.8	222.0	239.2	208.3	201.4
75°	123.9	199.6	208.3	179.0	172.1
77.5°	105.0	177.3	177.3	151.5	144.6
80°	80.9	151.5	144.6	122.2	117.0
82.5°	62.0	120.5	110.1	91.2	87.8
85°	39.6	84.3	74.0	60.2	58.5
87.5°	18.9	44.7	36.1	29.3	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)