

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: INVUE

Report Number: P184467

Luminaire Tested: **66EN-LD2-34-UNV-L835-CD1-U**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P184467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34466)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: 66EN-LD2-34-UNV-L835-CD1-U  
Description: METALUX ENCOUNTER 600X600 TROFFER  
  
Light Source: EATON LED 3500K  
Ballast/Driver: OSRAM ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3264.1 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

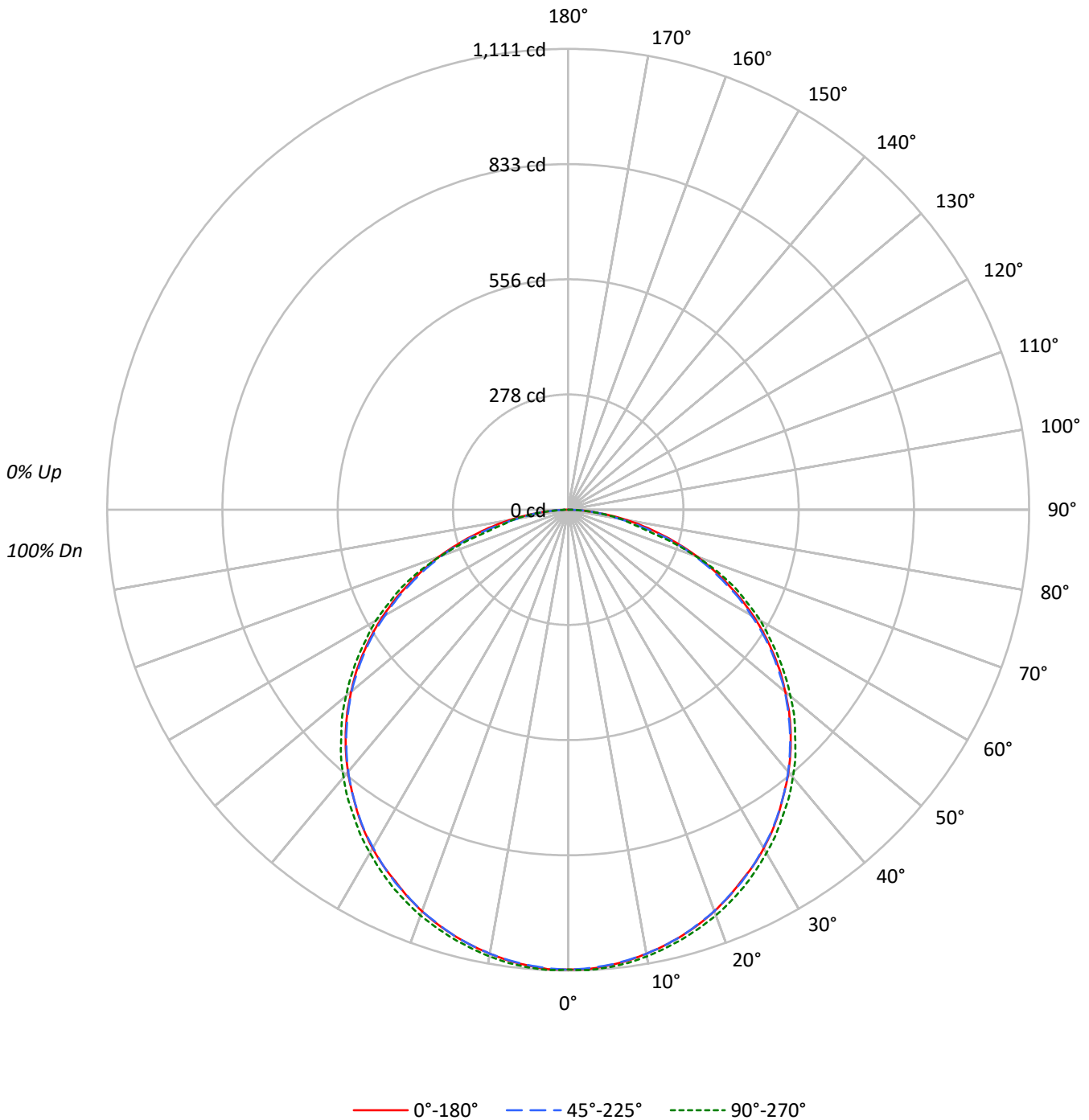
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2984	2984	2984
5°	2980	2977	2992
10°	2970	2970	2988
15°	2961	2961	2982
20°	2950	2950	2981
25°	2932	2939	2977
30°	2929	2922	2970
35°	2914	2910	2961
40°	2901	2897	2958
45°	2885	2877	2943
50°	2858	2854	2927
55°	2829	2808	2901
60°	2781	2740	2881
65°	2699	2650	2817
70°	2604	2544	2570
75°	2431	2316	2056
80°	2183	1895	2032
85°	1618	1652	1686



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.9	3.2
10°-20°	300.5	9.2
20°-30°	457.4	14.0
30°-40°	556.9	17.1
40°-50°	586.8	18.0
50°-60°	539.7	16.5
60°-70°	419.3	12.8
70°-80°	235.0	7.2
80°-90°	63.6	1.9
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°	862.8	26.4
0°-40°	1419.7	43.5
0°-60°	2546.2	78.0
0°-90°	3264.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3264.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1109	1109	1109	1109	1109	
5°	1103	1102	1102	1106	1108	105
15°	1063	1062	1063	1067	1070	300
25°	988	988	990	995	1003	456
35°	887	885	886	894	901	555
45°	758	757	756	765	773	585
55°	603	601	599	607	618	539
65°	424	421	416	428	442	420
75°	234	230	223	204	198	248
85°	52	52	54	54	55	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1108.8	1108.8	1108.8	1108.8	1108.8
2.5°	1108.8	1107.7	1106.6	1108.8	1111.0
5°	1103.3	1102.2	1102.2	1105.5	1107.7
7.5°	1096.8	1095.7	1095.7	1098.9	1102.2
10°	1086.9	1086.9	1086.9	1090.2	1093.5
12.5°	1076.0	1074.9	1076.0	1079.3	1082.6
15°	1062.9	1061.8	1062.9	1067.3	1070.5
17.5°	1047.6	1045.4	1046.5	1052.0	1056.3
20°	1030.1	1029.0	1030.1	1035.6	1041.0
22.5°	1010.5	1009.4	1009.4	1015.9	1022.5
25°	987.5	987.5	989.7	995.2	1002.8
27.5°	966.8	964.6	966.8	973.3	979.9
30°	942.7	940.5	940.5	949.3	955.8
32.5°	916.5	913.2	915.4	922.0	930.7
35°	887.0	884.8	885.9	893.6	901.2
37.5°	856.4	855.3	856.4	864.1	873.9
40°	825.8	823.7	824.8	833.5	842.2
42.5°	793.1	792.0	790.9	799.6	810.6
45°	758.1	757.0	755.9	764.7	773.4
47.5°	722.1	719.9	718.8	727.5	739.5
50°	682.7	682.7	681.7	688.2	699.1
52.5°	644.5	642.3	640.1	647.8	659.8
55°	603.0	600.8	598.6	607.4	618.3
57.5°	560.4	558.2	556.0	562.6	575.7
60°	516.7	514.5	509.1	520.0	535.3
62.5°	471.9	467.5	465.4	475.2	487.2
65°	423.8	420.6	416.2	428.2	442.4
67.5°	378.0	372.5	370.3	379.1	388.9
70°	331.0	326.6	323.3	324.4	326.6
72.5°	281.8	279.7	276.4	266.5	264.4
75°	233.8	230.5	222.8	204.3	197.7
77.5°	187.9	185.7	170.4	155.1	157.3
80°	140.9	138.7	122.3	125.6	131.1
82.5°	98.3	92.9	90.7	89.6	92.9
85°	52.4	52.4	53.5	53.5	54.6
87.5°	21.8	21.8	24.0	24.0	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)