

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: P184462

Luminaire Tested: **66EN-LD2-30-UNV-L835-CD1-U**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P184462  
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-LD2-30-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: 2894.1 lumens  
Efficiency: N/A  
Efficacy: 116.2 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

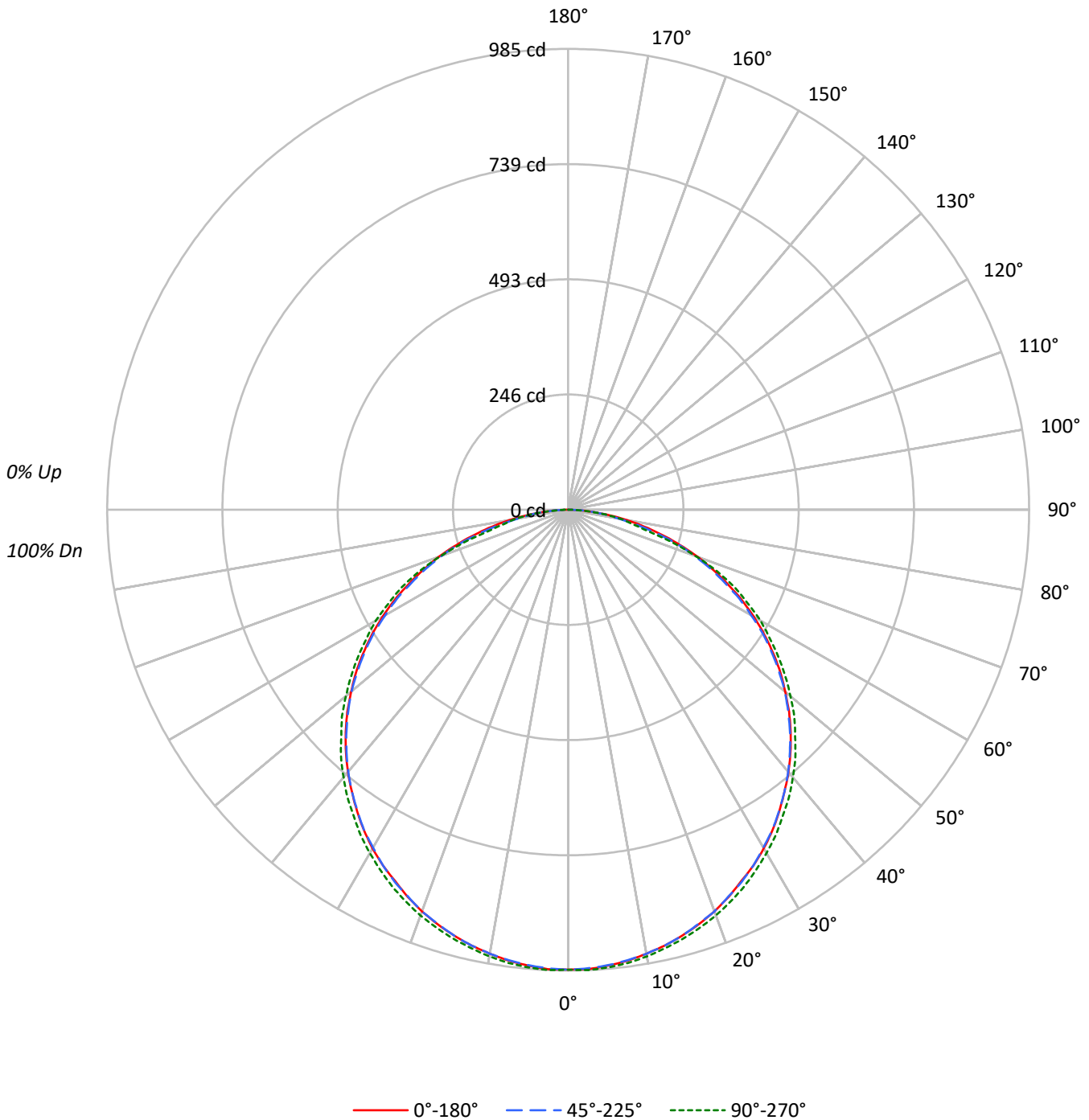
Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2646	2646	2646
5°	2643	2640	2653
10°	2633	2633	2649
15°	2625	2625	2644
20°	2616	2616	2643
25°	2600	2605	2640
30°	2597	2591	2633
35°	2584	2580	2625
40°	2572	2569	2623
45°	2558	2551	2610
50°	2534	2530	2595
55°	2508	2490	2572
60°	2465	2429	2554
65°	2393	2350	2498
70°	2309	2256	2279
75°	2155	2054	1823
80°	1936	1681	1801
85°	1436	1467	1494



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.0	3.2
10°-20°	266.4	9.2
20°-30°	405.6	14.0
30°-40°	493.8	17.1
40°-50°	520.3	18.0
50°-60°	478.5	16.5
60°-70°	371.7	12.8
70°-80°	208.4	7.2
80°-90°	56.4	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°	765.0	26.4
0°-40°	1258.8	43.5
0°-60°	2257.6	78.0
0°-90°	2894.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2894.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	978	977	977	980	982	93
15°	942	941	942	946	949	266
25°	876	876	878	882	889	404
35°	786	784	786	792	799	492
45°	672	671	670	678	686	518
55°	535	533	531	538	548	478
65°	376	373	369	380	392	372
75°	207	204	198	181	175	220
85°	46	46	48	48	48	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	983.1	983.1	983.1	983.1	983.1
2.5°	983.1	982.1	981.2	983.1	985.0
5°	978.3	977.3	977.3	980.2	982.1
7.5°	972.4	971.5	971.5	974.4	977.3
10°	963.7	963.7	963.7	966.6	969.5
12.5°	954.0	953.1	954.0	956.9	959.8
15°	942.4	941.4	942.4	946.3	949.2
17.5°	928.9	926.9	927.9	932.7	936.6
20°	913.4	912.4	913.4	918.2	923.0
22.5°	895.9	895.0	895.0	900.8	906.6
25°	875.6	875.6	877.5	882.4	889.1
27.5°	857.2	855.2	857.2	863.0	868.8
30°	835.9	833.9	833.9	841.7	847.5
32.5°	812.6	809.7	811.7	817.5	825.2
35°	786.5	784.5	785.5	792.3	799.1
37.5°	759.4	758.4	759.4	766.1	774.9
40°	732.2	730.3	731.3	739.0	746.8
42.5°	703.2	702.2	701.2	709.0	718.7
45°	672.2	671.2	670.2	678.0	685.7
47.5°	640.2	638.3	637.3	645.1	655.7
50°	605.4	605.4	604.4	610.2	619.9
52.5°	571.5	569.5	567.6	574.4	585.0
55°	534.6	532.7	530.8	538.5	548.2
57.5°	496.9	494.9	493.0	498.8	510.4
60°	458.1	456.2	451.4	461.0	474.6
62.5°	418.4	414.5	412.6	421.3	432.0
65°	375.8	372.9	369.0	379.7	392.3
67.5°	335.1	330.3	328.3	336.1	344.8
70°	293.5	289.6	286.7	287.7	289.6
72.5°	249.9	248.0	245.0	236.3	234.4
75°	207.3	204.4	197.6	181.1	175.3
77.5°	166.6	164.7	151.1	137.5	139.5
80°	124.9	123.0	108.5	111.4	116.2
82.5°	87.2	82.3	80.4	79.4	82.3
85°	46.5	46.5	47.5	47.5	48.4
87.5°	19.4	19.4	21.3	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)