

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: P184464

Luminaire Tested: **66EN-LD2-30-UNV-L850-CD1-U**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P184464
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-L850-CD1-U
Description: METALUX ENCOUNTER 600X600 TROFFER

Light Source: EATON LED 5000K
Ballast/Driver: OSRAM ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3212.5 lumens
Efficiency: N/A
Efficacy: 129.0 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

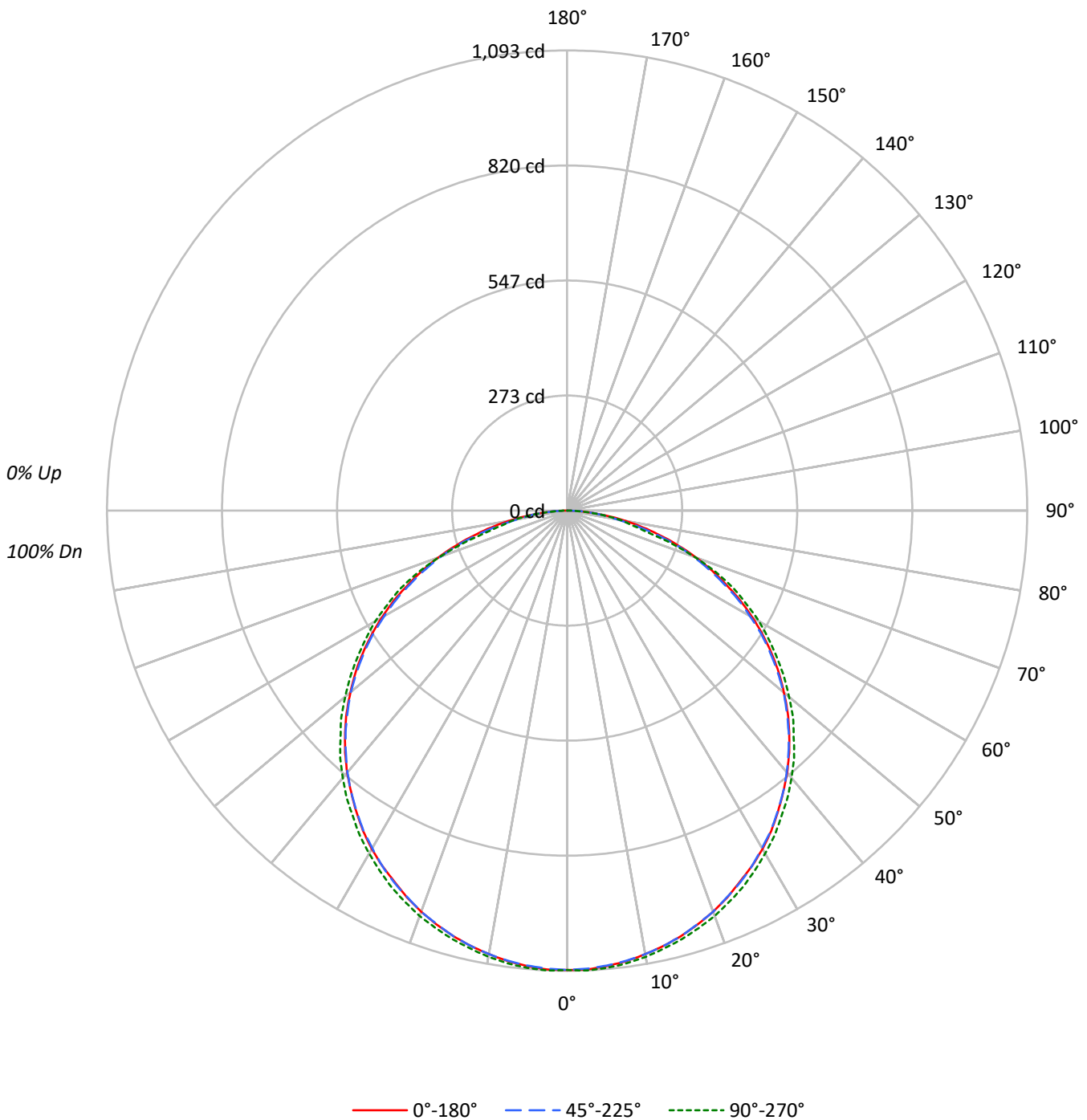
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2936	2936	2936
5°	2933	2930	2945
10°	2923	2923	2941
15°	2914	2914	2935
20°	2903	2903	2934
25°	2886	2892	2930
30°	2883	2876	2923
35°	2868	2864	2914
40°	2855	2851	2912
45°	2839	2831	2897
50°	2813	2809	2881
55°	2784	2764	2855
60°	2737	2696	2835
65°	2656	2608	2772
70°	2563	2504	2530
75°	2392	2280	2023
80°	2149	1866	1999
85°	1593	1627	1661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.2
10°-20°	295.7	9.2
20°-30°	450.2	14.0
30°-40°	548.1	17.1
40°-50°	577.5	18.0
50°-60°	531.2	16.5
60°-70°	412.6	12.8
70°-80°	231.3	7.2
80°-90°	62.6	2.0
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°	849.1	26.4
0°-40°	1397.3	43.5
0°-60°	2506.0	78.0
0°-90°	3212.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3212.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1086	1085	1085	1088	1090	103
15°	1046	1045	1046	1050	1054	295
25°	972	972	974	979	987	449
35°	873	871	872	879	887	546
45°	746	745	744	753	761	575
55°	594	591	589	598	608	530
65°	417	414	410	421	435	413
75°	230	227	219	201	195	244
85°	52	52	53	53	54	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1091.2	1090.2	1089.1	1091.2	1093.4
5°	1085.9	1084.8	1084.8	1088.0	1090.2
7.5°	1079.4	1078.3	1078.3	1081.6	1084.8
10°	1069.7	1069.7	1069.7	1073.0	1076.2
12.5°	1059.0	1057.9	1059.0	1062.2	1065.4
15°	1046.1	1045.0	1046.1	1050.4	1053.6
17.5°	1031.0	1028.9	1030.0	1035.3	1039.6
20°	1013.8	1012.8	1013.8	1019.2	1024.6
22.5°	994.5	993.4	993.4	999.9	1006.3
25°	971.9	971.9	974.0	979.4	986.9
27.5°	951.5	949.3	951.5	957.9	964.4
30°	927.8	925.7	925.7	934.3	940.7
32.5°	902.0	898.8	900.9	907.4	916.0
35°	873.0	870.8	871.9	879.4	887.0
37.5°	842.9	841.8	842.9	850.4	860.1
40°	812.8	810.6	811.7	820.3	828.9
42.5°	780.5	779.5	778.4	787.0	797.7
45°	746.1	745.0	744.0	752.6	761.2
47.5°	710.6	708.5	707.4	716.0	727.8
50°	671.9	671.9	670.9	677.3	688.1
52.5°	634.3	632.2	630.0	637.5	649.4
55°	593.5	591.3	589.2	597.8	608.5
57.5°	551.5	549.4	547.2	553.7	566.6
60°	508.5	506.4	501.0	511.8	526.8
62.5°	464.4	460.1	458.0	467.7	479.5
65°	417.1	413.9	409.6	421.4	435.4
67.5°	372.0	366.6	364.5	373.1	382.7
70°	325.8	321.5	318.2	319.3	321.5
72.5°	277.4	275.2	272.0	262.3	260.2
75°	230.1	226.8	219.3	201.0	194.6
77.5°	184.9	182.8	167.7	152.7	154.8
80°	138.7	136.5	120.4	123.6	129.0
82.5°	96.8	91.4	89.2	88.2	91.4
85°	51.6	51.6	52.7	52.7	53.8
87.5°	21.5	21.5	23.7	23.7	23.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)