

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: P179962

Luminaire Tested: **ICM-F01-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179962  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F01-LED-E1-5MQ-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (7) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2261.1 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

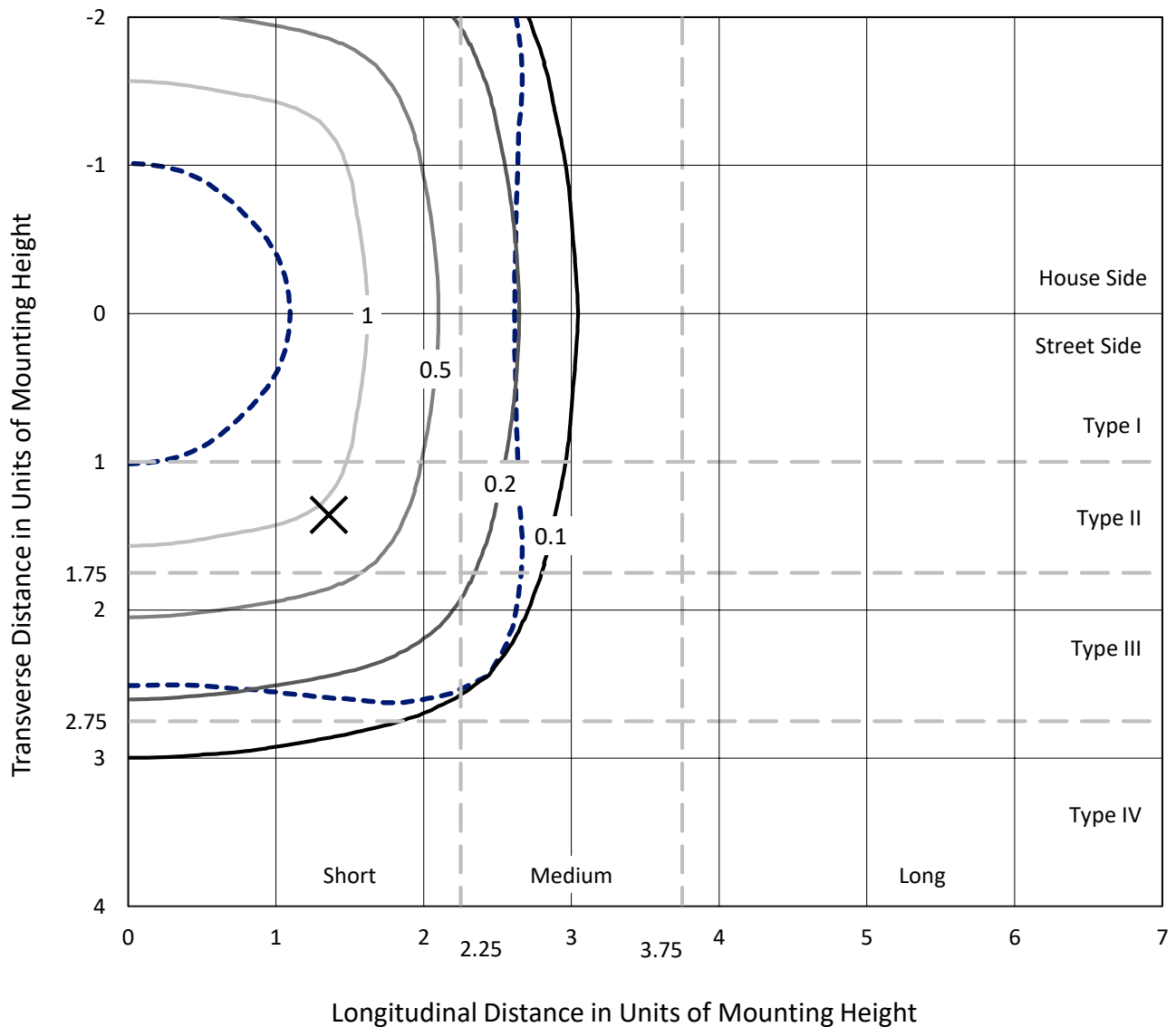
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

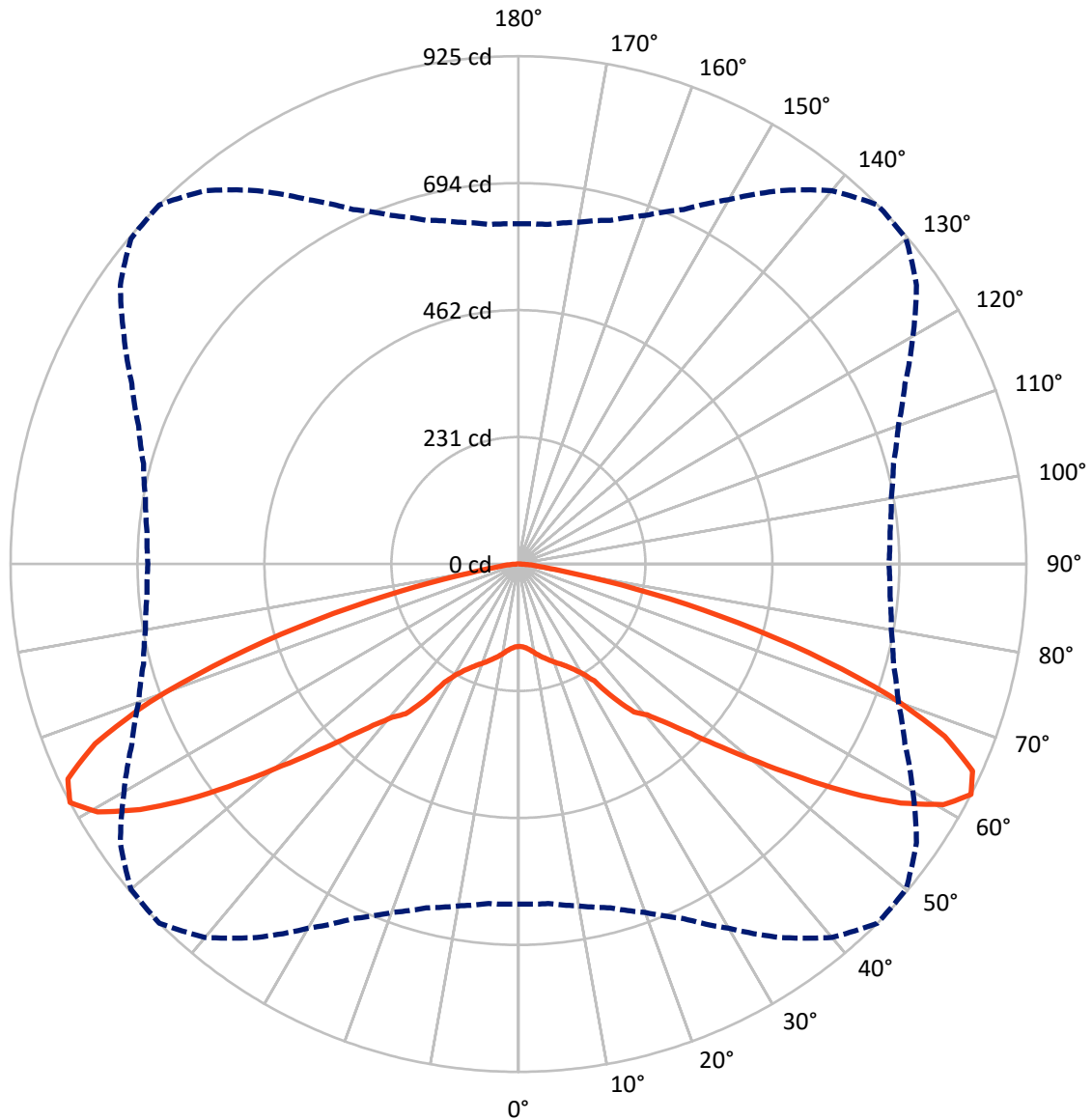
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1130.6	0.0	1130.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1130.6	0.0	1130.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2261.1	0.0	2261.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.0	0.7
10°-20°	50.8	2.2
20°-30°	98.3	4.3
30°-40°	190.4	8.4
40°-50°	343.7	15.2
50°-60°	597.6	26.4
60°-70°	678.5	30.0
70°-80°	263.0	11.6
80°-90°	23.7	1.0
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°-90°	2261.1	100.0
0°-180°	2261.1	100.0



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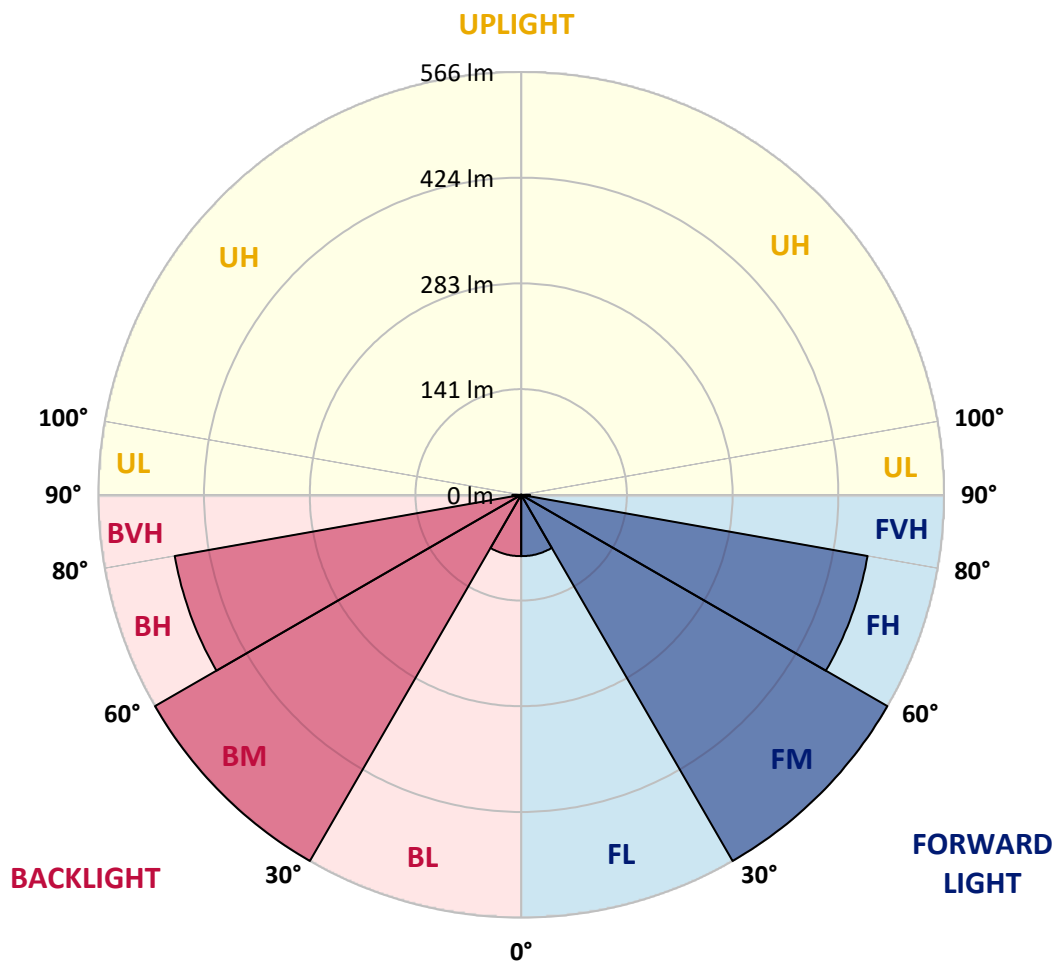
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.1	3.6			
FM (30°-60°)	565.8	25.0			
FH (60°-80°)	470.8	20.8			G0/660
FVH (80°-90°)	11.9	0.5			G1/100
BL (0°-30°)	82.1	3.6	B0/110		
BM (30°-60°)	565.8	25.0	B1/1000		
BH (60°-80°)	470.8	20.8	B1/500		G0/660
BVH (80°-90°)	11.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	151.1	151.4	151.4	151.2	151.2	151.2	151.1	150.7	150.5	150.8	151.1
5°	154.5	154.5	154.5	154.5	154.3	154.3	154.0	153.9	154.0	153.7	153.6
7.5°	159.9	159.6	159.5	159.4	159.4	159.2	158.9	158.4	158.5	158.3	158.2
10°	166.2	166.4	166.0	166.3	165.8	165.6	165.2	164.9	164.7	164.5	164.5
12.5°	173.9	173.5	173.5	173.2	173.0	172.7	172.1	171.9	171.5	171.3	171.0
15°	180.9	180.8	180.4	179.9	179.7	179.5	178.7	178.2	178.1	177.6	177.1
17.5°	188.1	187.9	187.3	187.1	186.6	186.2	185.6	184.8	184.5	184.2	183.7
20°	195.7	195.4	194.9	194.4	193.9	193.3	192.3	191.7	191.4	191.0	190.5
22.5°	205.1	204.7	203.7	203.0	201.7	201.2	199.8	198.9	198.3	198.0	197.7
25°	215.4	215.6	214.3	213.2	211.7	210.4	208.7	207.7	207.1	206.7	206.5
27.5°	228.3	228.5	227.3	225.8	223.4	222.0	219.6	218.4	218.1	217.7	217.5
30°	248.7	247.6	245.6	243.2	241.1	238.0	234.6	233.5	232.3	232.0	231.9
32.5°	286.0	285.4	283.8	277.8	275.0	268.7	262.7	259.4	255.4	253.6	252.5
35°	312.2	312.0	310.7	308.7	306.9	305.6	302.0	301.5	300.7	300.7	301.8
37.5°	331.5	330.1	329.9	330.2	329.8	330.0	332.8	336.7	339.9	341.6	341.4
40°	360.0	358.0	359.3	358.4	357.4	357.1	358.0	359.5	361.1	361.1	360.7
42.5°	397.4	398.3	398.7	395.4	393.1	392.6	394.8	394.2	395.8	395.2	393.7
45°	452.8	452.1	451.4	447.3	443.7	440.9	441.5	440.7	440.7	439.9	438.7
47.5°	508.7	510.6	507.2	505.2	501.2	499.3	500.8	499.5	502.2	497.3	494.9
50°	562.8	564.3	563.2	560.3	560.3	563.1	565.0	567.6	571.4	565.8	557.4
52.5°	607.3	608.5	610.2	612.5	618.2	624.2	632.7	641.7	648.7	647.8	638.1
55°	634.4	635.8	638.7	646.8	657.1	672.7	691.8	712.7	729.1	737.0	730.1
57.5°	643.5	644.7	652.5	662.2	678.2	701.6	733.4	769.6	800.9	821.0	817.9
60°	641.4	641.4	649.5	662.9	685.3	716.1	761.2	811.4	859.4	889.3	884.9
62.5°	619.4	620.5	632.1	648.0	675.2	712.2	766.0	829.9	887.4	924.7	921.1
65°	571.0	571.8	584.3	603.4	633.7	677.3	736.1	806.9	872.9	908.8	902.0
67.5°	492.7	493.6	503.7	525.2	557.2	603.0	666.4	744.4	809.1	837.4	816.9
70°	392.0	394.2	400.9	423.6	448.0	492.7	551.2	629.2	690.2	716.9	694.5
72.5°	267.2	273.1	281.0	301.2	324.5	361.7	408.2	473.9	522.9	553.9	534.0
75°	150.5	158.9	161.3	176.7	195.8	225.1	259.2	306.2	355.7	380.8	356.7
77.5°	64.9	71.9	74.9	82.0	97.0	109.3	130.0	161.8	200.0	217.7	188.8
80°	32.0	33.7	35.0	37.2	41.4	45.4	55.3	69.0	84.7	88.7	70.7
82.5°	24.7	26.0	28.2	30.0	31.0	32.0	32.9	34.8	36.3	37.1	35.1
85°	17.4	18.9	21.4	23.4	24.6	25.3	26.2	26.8	25.4	23.2	24.4
87.5°	4.6	6.0	8.4	8.9	10.2	10.8	10.5	10.8	9.9	7.2	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	150.9	150.8	150.9	150.9	150.9	150.8	150.8	150.8
5°	153.6	153.6	153.7	153.5	153.5	153.6	153.5	153.4
7.5°	158.1	158.0	158.0	158.0	158.0	158.0	158.0	157.8
10°	164.3	164.0	164.1	163.8	163.8	163.6	163.6	163.6
12.5°	170.8	170.4	170.6	170.2	169.7	169.8	169.9	169.8
15°	177.1	176.7	176.4	176.2	175.8	175.9	175.9	175.8
17.5°	183.5	182.9	182.7	182.3	182.2	182.2	182.2	182.3
20°	190.2	189.8	189.6	189.3	189.2	189.5	189.6	189.4
22.5°	197.3	197.1	197.3	197.0	197.4	197.7	197.8	197.6
25°	206.3	206.1	206.5	207.3	207.8	208.0	208.6	208.3
27.5°	217.9	217.7	218.5	219.6	220.3	221.5	222.1	222.3
30°	232.9	233.9	234.4	236.7	237.2	239.1	239.1	239.9
32.5°	254.6	256.6	260.1	263.7	268.7	272.4	272.4	274.2
35°	302.3	303.1	305.9	306.4	307.4	308.7	307.4	308.4
37.5°	338.9	335.3	332.7	329.1	326.9	326.9	327.1	326.9
40°	357.6	356.2	355.1	352.0	351.5	351.4	351.4	351.9
42.5°	391.1	387.6	385.8	383.2	382.3	382.1	382.0	382.2
45°	434.5	429.0	424.0	421.4	419.2	417.1	417.9	417.8
47.5°	485.1	476.6	468.5	464.0	460.1	458.4	457.2	456.8
50°	546.8	534.9	524.3	516.0	510.3	510.2	510.9	507.1
52.5°	622.2	603.4	590.3	579.2	573.9	573.2	571.4	569.3
55°	706.0	683.6	662.0	650.0	643.1	639.3	637.1	633.6
57.5°	792.2	762.2	731.1	711.8	699.6	691.2	686.7	684.7
60°	858.8	817.7	776.7	745.7	725.4	712.9	705.3	702.1
62.5°	884.8	829.2	776.7	736.0	706.8	689.5	679.1	674.5
65°	853.8	787.7	727.9	683.1	650.4	631.1	619.8	614.9
67.5°	766.5	708.3	643.2	598.5	565.0	545.9	533.6	530.0
70°	642.6	583.1	520.9	481.0	451.2	435.5	422.9	421.3
72.5°	483.0	431.6	378.2	345.3	321.2	295.4	288.9	292.3
75°	309.6	261.5	214.0	184.4	162.4	137.8	128.4	130.7
77.5°	146.6	113.5	82.0	63.3	53.2	45.4	43.5	42.3
80°	54.3	44.1	38.9	36.9	35.5	34.2	33.3	32.3
82.5°	35.2	34.4	33.3	32.9	31.9	30.3	27.3	26.0
85°	26.2	26.2	24.9	25.0	24.2	22.1	19.3	17.8
87.5°	7.7	6.9	6.3	5.9	5.8	5.1	3.7	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)