

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: P179963

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P179963
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2475.7 lumens
Efficiency: N/A
Efficacy: 95.6 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: B2 - U0 - G1

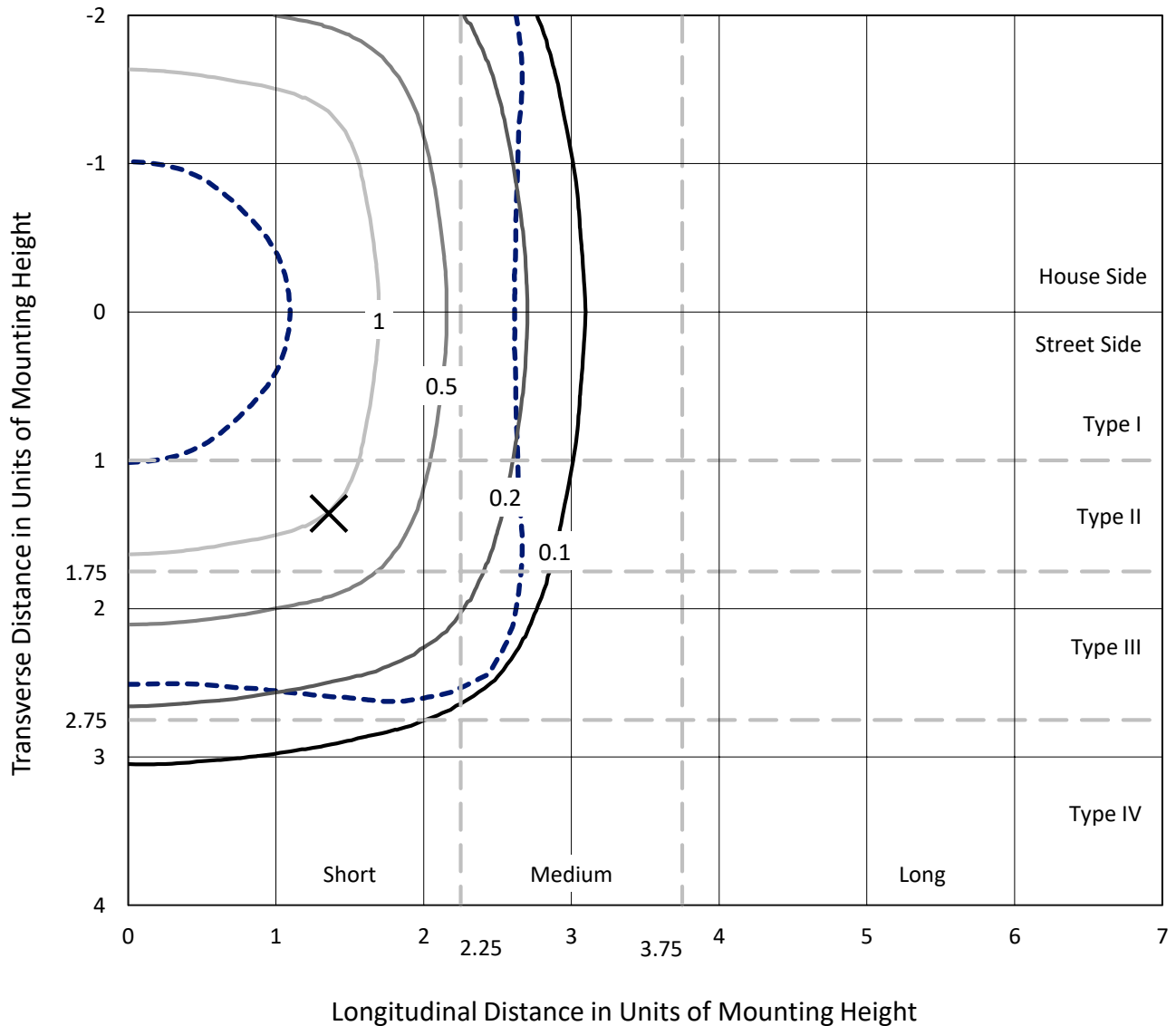
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

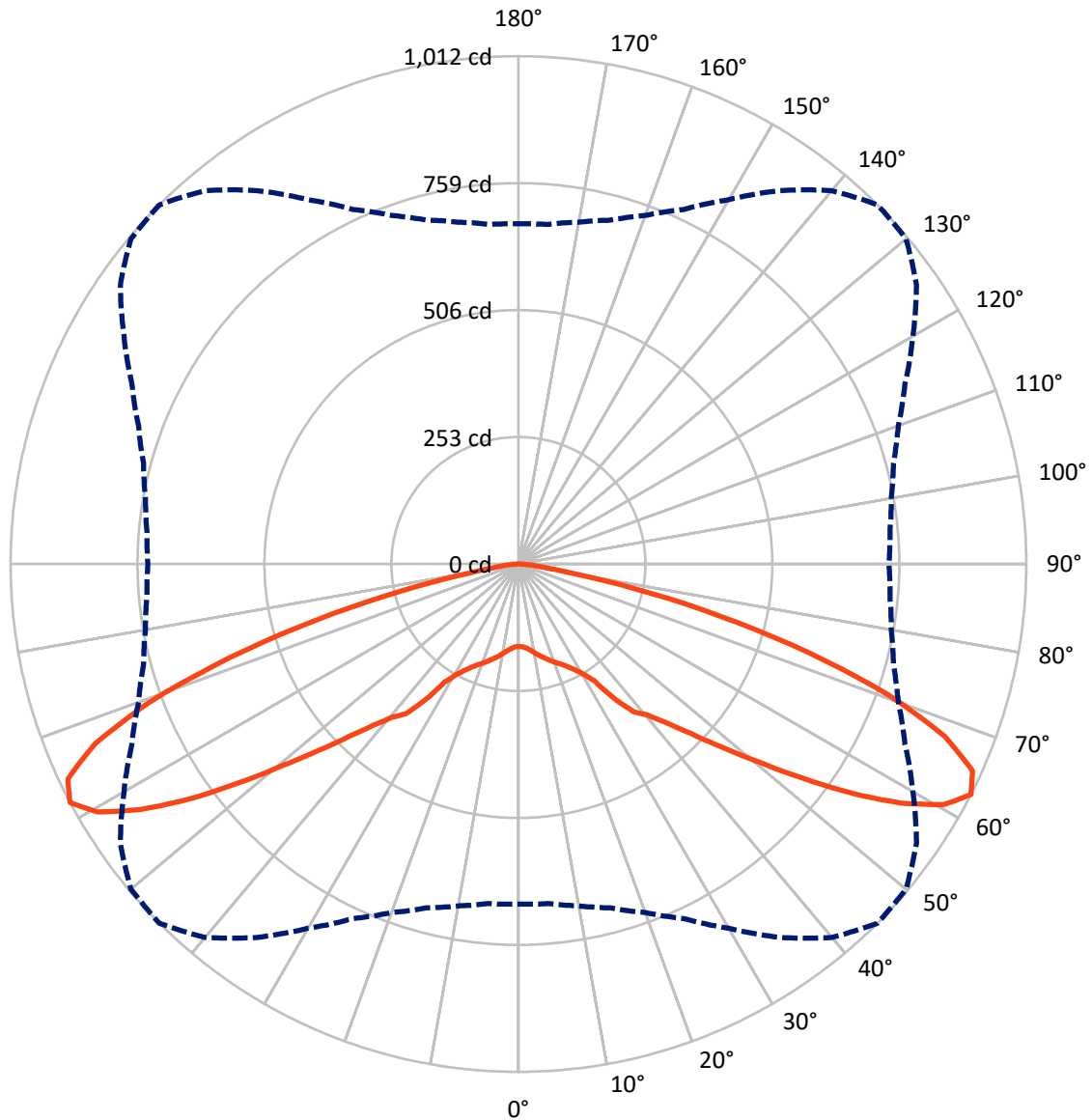


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Full Cutoff

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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
House Side	Lumens	1237.8	0.0	1237.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1237.8	0.0	1237.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2475.7	0.0	2475.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.7
10°-20°	55.7	2.2
20°-30°	107.6	4.3
30°-40°	208.4	8.4
40°-50°	376.3	15.2
50°-60°	654.3	26.4
60°-70°	742.8	30.0
70°-80°	288.0	11.6
80°-90°	26.0	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°	2475.7	100.0
0°-180°	2475.7	100.0



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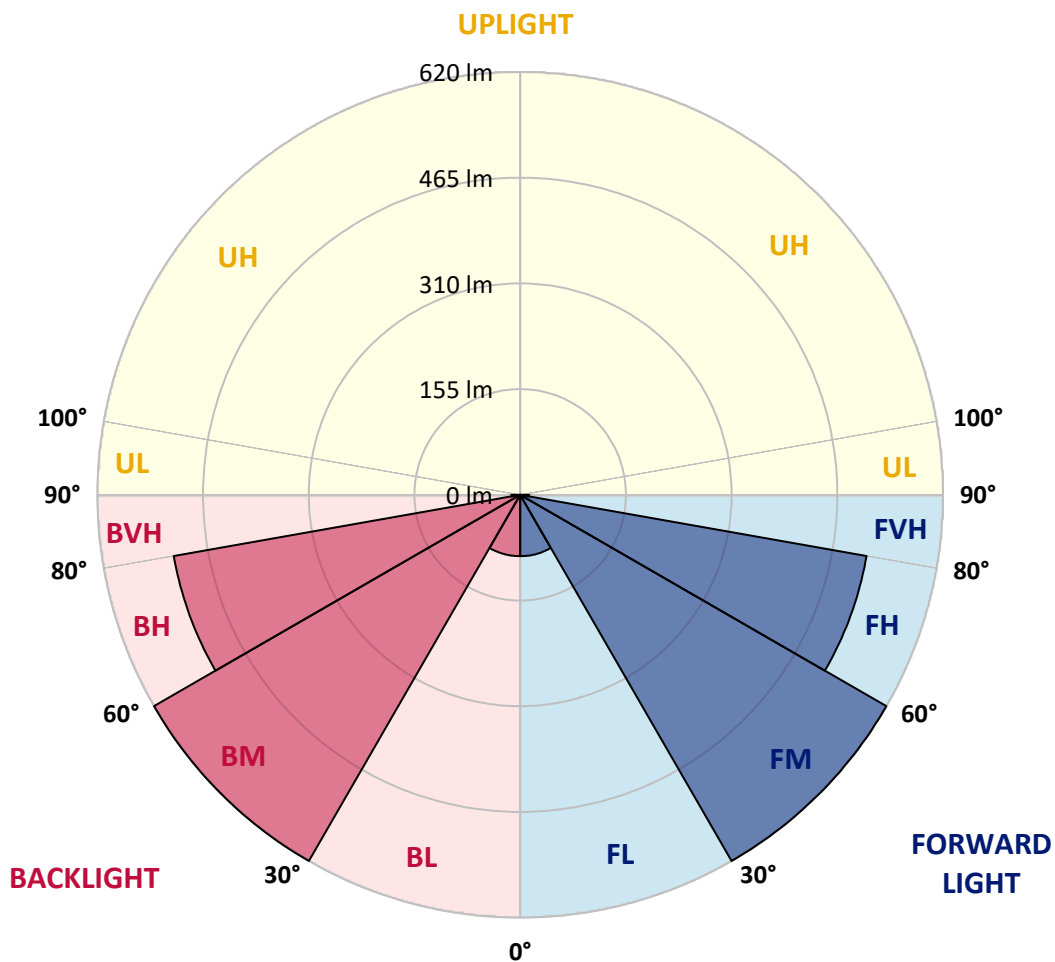
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.9	3.6			
FM (30°-60°)	619.5	25.0			
FH (60°-80°)	515.4	20.8			G0/660
FVH (80°-90°)	13.0	0.5			G1/100
BL (0°-30°)	89.9	3.6	B0/110		
BM (30°-60°)	619.5	25.0	B1/1000		
BH (60°-80°)	515.4	20.8	B2/1000		G0/660
BVH (80°-90°)	13.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4
2.5°	165.4	165.9	165.8	165.5	165.5	165.5	165.4	165.0	164.8	165.1	165.4
5°	169.2	169.2	169.2	169.2	168.9	168.9	168.7	168.4	168.6	168.3	168.2
7.5°	175.1	174.7	174.7	174.6	174.5	174.3	174.0	173.5	173.6	173.4	173.3
10°	182.0	182.1	181.8	182.1	181.5	181.4	180.8	180.7	180.5	180.1	180.1
12.5°	190.3	190.0	190.0	189.7	189.4	189.2	188.5	188.3	187.7	187.4	187.2
15°	198.1	198.0	197.5	197.0	196.8	196.7	195.7	195.2	195.1	194.4	193.9
17.5°	206.0	205.7	205.0	204.8	204.3	203.9	203.2	202.3	202.0	201.7	201.1
20°	214.3	214.0	213.4	212.8	212.3	211.7	210.6	209.9	209.5	209.1	208.6
22.5°	224.7	224.1	223.1	222.1	220.8	220.3	218.7	217.9	217.2	216.7	216.4
25°	235.9	236.0	234.6	233.5	231.8	230.3	228.5	227.4	226.8	226.2	226.1
27.5°	250.0	250.0	248.7	247.2	244.6	243.1	240.6	239.3	238.9	238.3	238.1
30°	272.2	271.1	268.8	266.2	263.9	260.6	256.9	255.6	254.3	254.0	254.0
32.5°	313.2	312.6	310.7	304.1	301.0	294.1	287.6	283.9	279.6	277.6	276.3
35°	341.9	341.6	340.2	337.9	336.0	334.5	330.7	330.0	329.3	329.3	330.3
37.5°	363.0	361.4	361.1	361.6	361.1	361.3	364.5	368.6	372.2	374.0	373.8
40°	394.2	392.0	393.3	392.4	391.3	391.1	392.0	393.7	395.4	395.4	395.0
42.5°	435.1	436.1	436.6	432.8	430.4	429.8	432.2	431.6	433.4	432.7	431.1
45°	495.6	495.1	494.1	489.7	485.9	482.8	483.4	482.5	482.6	481.7	480.4
47.5°	556.9	559.1	555.4	553.2	548.8	546.6	548.5	546.9	549.8	544.5	542.0
50°	616.2	617.9	616.6	613.4	613.5	616.6	618.7	621.5	625.7	619.4	610.2
52.5°	664.9	666.2	668.1	670.7	676.9	683.5	692.7	702.5	710.4	709.1	698.7
55°	694.6	696.2	699.4	708.2	719.4	736.6	757.4	780.3	798.3	806.9	799.3
57.5°	704.6	705.7	714.4	725.0	742.5	768.0	803.0	842.6	877.0	898.9	895.4
60°	702.3	702.2	711.1	725.8	750.3	784.0	833.5	888.3	941.0	973.8	968.9
62.5°	678.1	679.4	692.0	709.6	739.4	779.7	838.5	908.7	971.7	1012.4	1008.4
65°	625.1	626.0	639.7	660.6	693.8	741.6	806.0	883.5	955.8	995.0	987.5
67.5°	539.5	540.3	551.5	575.1	610.1	660.2	729.7	815.1	885.8	916.7	894.5
70°	429.1	431.7	438.9	463.8	490.4	539.4	603.4	688.8	755.6	784.9	760.4
72.5°	292.5	299.0	307.7	329.9	355.3	396.0	446.9	518.9	572.5	606.4	584.6
75°	164.7	174.0	176.7	193.4	214.4	246.5	283.7	335.4	389.5	416.9	390.7
77.5°	71.2	78.7	82.0	89.9	106.2	119.6	142.3	177.1	219.0	238.3	206.7
80°	35.1	36.9	38.3	40.7	45.3	49.7	60.5	75.6	92.8	97.1	77.3
82.5°	27.2	28.5	30.9	32.7	34.0	35.1	36.1	38.1	39.8	40.7	38.4
85°	19.1	20.7	23.4	25.6	26.9	27.7	28.7	29.3	27.7	25.3	26.6
87.5°	5.0	6.5	9.1	9.9	11.2	11.8	11.5	11.9	10.8	7.8	8.7
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°	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4
2.5°	165.2	165.1	165.2	165.2	165.2	165.1	165.0	165.1
5°	168.2	168.2	168.4	168.0	168.0	168.2	168.0	167.9
7.5°	173.2	173.0	173.0	172.9	173.0	172.9	172.8	172.7
10°	179.9	179.5	179.7	179.3	179.3	179.2	179.2	179.2
12.5°	187.0	186.6	186.8	186.4	185.7	185.9	186.0	185.9
15°	193.9	193.5	193.1	192.9	192.6	192.7	192.6	192.5
17.5°	200.9	200.2	200.0	199.6	199.5	199.5	199.5	199.6
20°	208.2	207.7	207.6	207.3	207.1	207.4	207.6	207.4
22.5°	216.0	215.8	216.0	215.8	216.2	216.4	216.6	216.3
25°	225.9	225.7	226.0	227.0	227.4	227.7	228.4	228.1
27.5°	238.5	238.3	239.3	240.6	241.3	242.6	243.2	243.4
30°	255.0	256.1	256.7	259.2	259.7	261.8	261.8	262.6
32.5°	278.7	280.9	284.8	288.7	294.3	298.1	298.2	300.3
35°	331.0	331.9	334.9	335.4	336.6	337.9	336.6	337.7
37.5°	371.1	367.1	364.3	360.3	357.9	357.9	358.1	357.9
40°	391.4	390.0	388.7	385.3	384.8	384.7	384.7	385.2
42.5°	428.1	424.4	422.3	419.5	418.6	418.4	418.2	418.5
45°	475.7	469.8	464.2	461.4	459.0	456.7	457.4	457.4
47.5°	531.2	521.9	512.8	508.0	503.8	501.8	500.6	500.2
50°	598.6	585.5	574.1	564.9	558.8	558.7	559.3	555.3
52.5°	681.3	660.7	646.3	634.1	628.3	627.7	625.7	623.4
55°	772.9	748.5	724.8	711.6	704.0	700.0	697.5	693.7
57.5°	867.4	834.4	800.4	779.4	766.0	756.8	752.0	749.8
60°	940.2	895.3	850.4	816.4	794.2	780.7	772.1	768.7
62.5°	968.8	907.9	850.3	805.8	773.8	754.9	743.4	738.5
65°	934.7	862.5	797.0	747.9	712.2	691.0	678.6	673.2
67.5°	839.3	775.4	704.2	655.3	618.6	597.8	584.2	580.3
70°	703.5	638.4	570.3	526.7	494.0	476.8	462.9	461.3
72.5°	528.7	472.6	414.1	378.1	351.7	323.5	316.4	320.0
75°	338.9	286.3	234.3	201.9	177.9	150.9	140.5	143.1
77.5°	160.6	124.3	89.7	69.4	58.2	49.8	47.6	46.3
80°	59.5	48.2	42.6	40.5	38.9	37.5	36.5	35.3
82.5°	38.5	37.6	36.5	36.1	35.0	33.1	29.8	28.4
85°	28.8	28.8	27.3	27.3	26.4	24.2	21.1	19.4
87.5°	8.5	7.5	6.9	6.3	6.3	5.6	4.1	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)