

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: P179957

Luminaire Tested: **ICM-E01-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P179957
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-E01-LED-E1-5MQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2739 lumens
Efficiency: N/A
Efficacy: 110.9 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

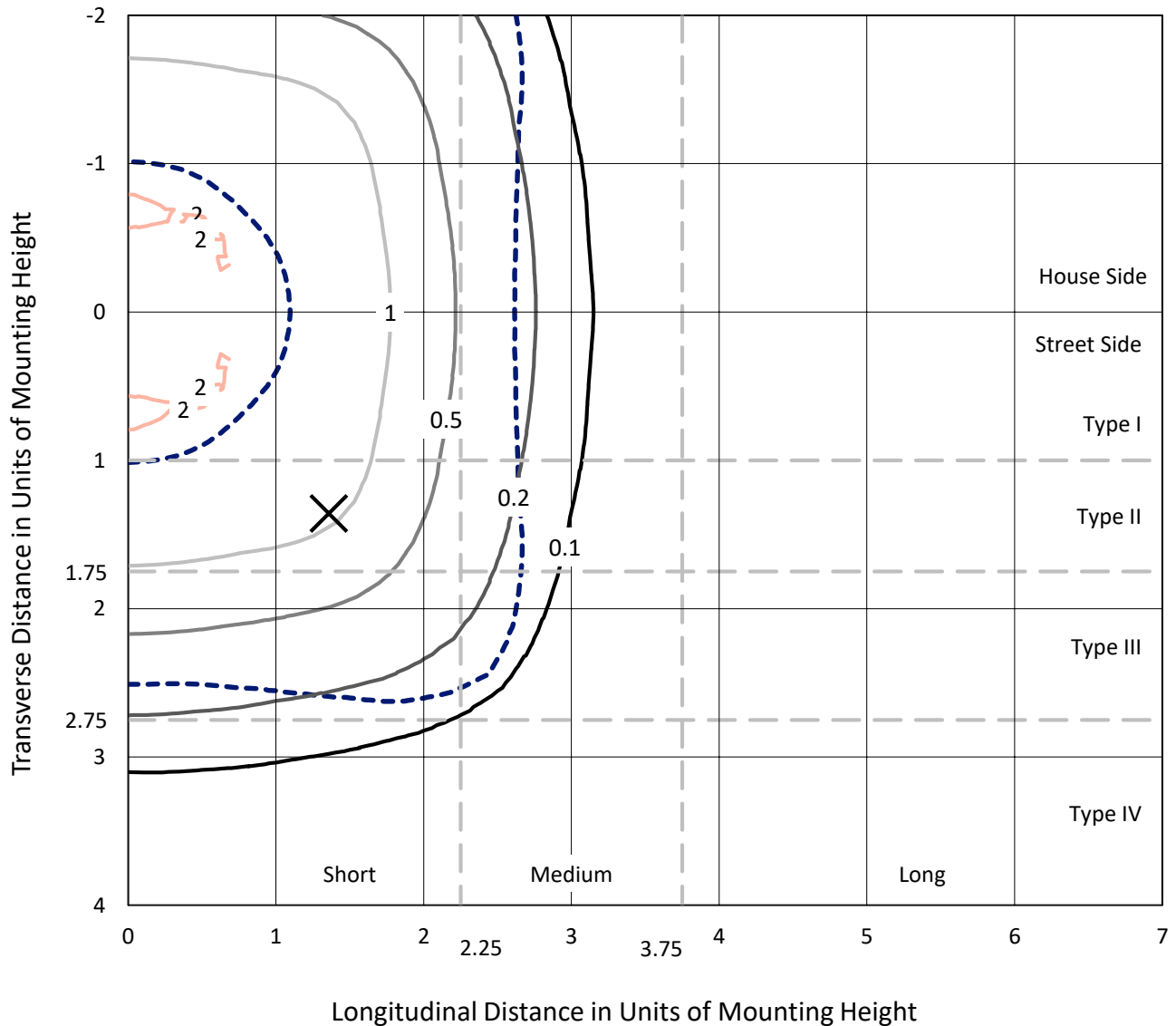
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

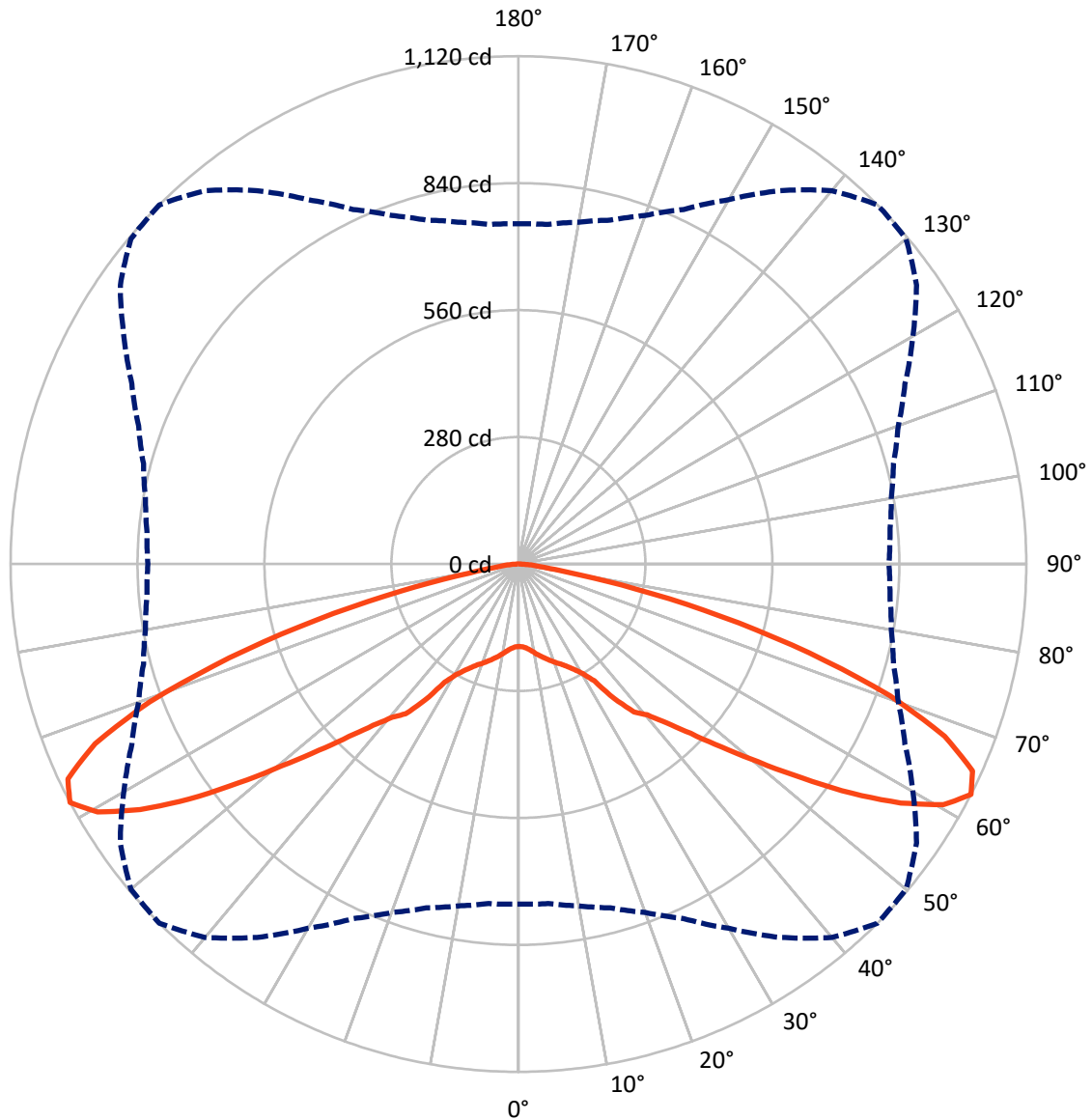
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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	1369.5	0.0	1369.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1369.5	0.0	1369.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2739.0	0.0	2739.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.7
10°-20°	61.6	2.2
20°-30°	119.1	4.3
30°-40°	230.6	8.4
40°-50°	416.3	15.2
50°-60°	723.9	26.4
60°-70°	821.9	30.0
70°-80°	318.6	11.6
80°-90°	28.7	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°	2739.0	100.0
0°-180°	2739.0	100.0



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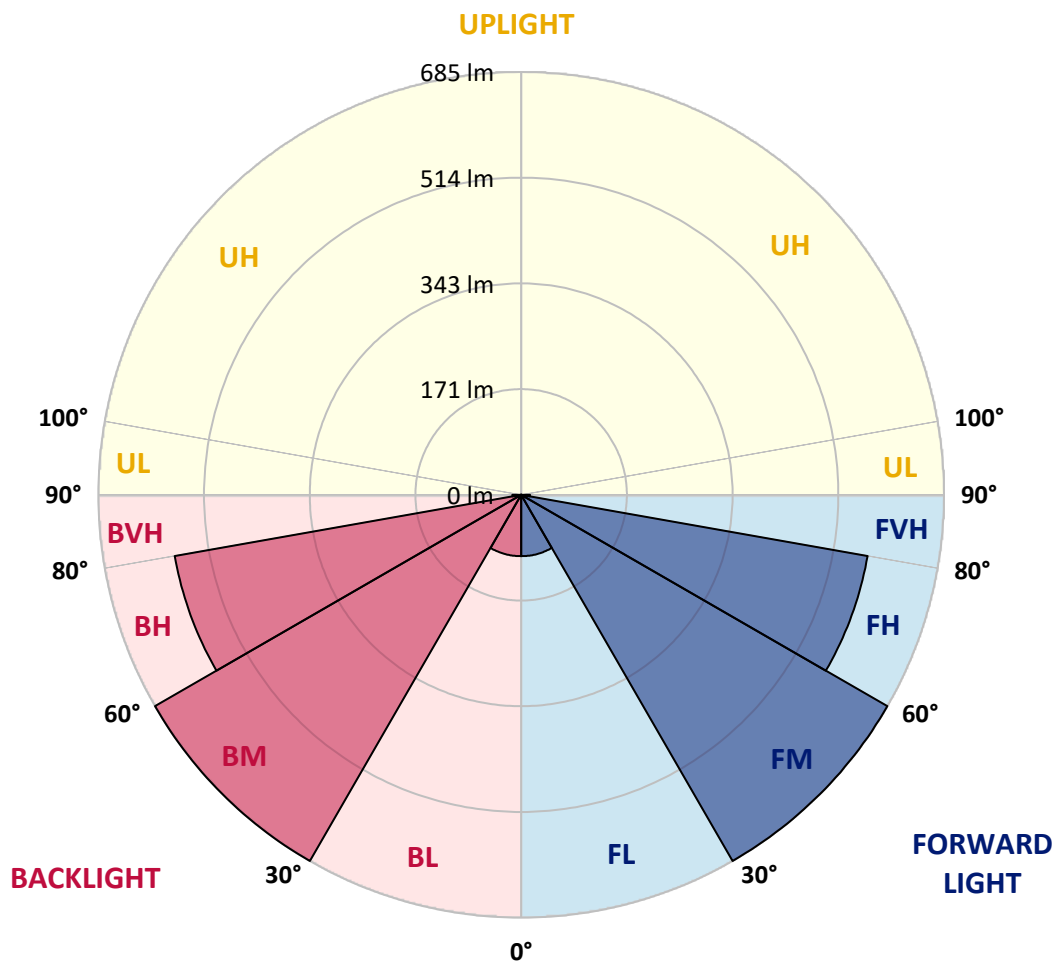
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.5	3.6			
FM (30°-60°)	685.4	25.0			
FH (60°-80°)	570.3	20.8			G0/660
FVH (80°-90°)	14.4	0.5			G1/100
BL (0°-30°)	99.5	3.6	B0/110		
BM (30°-60°)	685.4	25.0	B1/1000		
BH (60°-80°)	570.3	20.8	B2/1000		G0/660
BVH (80°-90°)	14.4	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°	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9
2.5°	183.0	183.5	183.4	183.1	183.1	183.2	183.0	182.5	182.3	182.7	182.9
5°	187.2	187.2	187.2	187.2	187.0	187.0	186.6	186.4	186.5	186.1	186.0
7.5°	193.7	193.3	193.3	193.1	193.1	192.8	192.4	191.8	192.0	191.9	191.8
10°	201.3	201.5	201.1	201.5	200.7	200.7	200.0	199.8	199.6	199.3	199.3
12.5°	210.6	210.1	210.1	209.9	209.6	209.3	208.5	208.4	207.7	207.4	207.1
15°	219.2	219.1	218.5	217.9	217.8	217.5	216.6	216.0	215.8	215.1	214.5
17.5°	227.9	227.5	226.9	226.6	226.0	225.6	224.7	223.9	223.4	223.2	222.5
20°	237.0	236.7	236.1	235.5	234.8	234.2	232.9	232.2	231.8	231.4	230.9
22.5°	248.6	247.9	246.8	245.8	244.3	243.7	242.0	241.0	240.3	239.7	239.4
25°	261.0	261.1	259.5	258.3	256.4	254.9	252.7	251.6	250.9	250.4	250.2
27.5°	276.5	276.7	275.3	273.5	270.6	268.9	266.0	264.7	264.2	263.6	263.5
30°	301.2	299.9	297.5	294.5	292.0	288.4	284.2	282.8	281.4	280.9	280.9
32.5°	346.5	345.8	343.8	336.5	333.0	325.4	318.1	314.0	309.4	307.2	305.7
35°	378.2	378.0	376.4	373.9	371.7	370.1	366.0	365.2	364.3	364.4	365.5
37.5°	401.6	399.9	399.6	400.0	399.4	399.8	403.2	407.8	411.8	413.8	413.5
40°	436.1	433.7	435.2	434.1	432.9	432.6	433.8	435.5	437.4	437.4	437.0
42.5°	481.3	482.4	483.0	478.9	476.3	475.5	478.2	477.6	479.4	478.8	476.9
45°	548.5	547.7	546.8	541.8	537.5	534.1	534.9	533.9	534.0	532.8	531.4
47.5°	616.2	618.6	614.5	612.1	607.3	604.8	606.8	605.0	608.4	602.4	599.5
50°	681.9	683.5	682.1	678.7	678.7	682.1	684.5	687.6	692.1	685.4	675.2
52.5°	735.6	737.0	739.2	742.1	748.9	756.2	766.3	777.3	785.9	784.6	773.0
55°	768.6	770.2	773.8	783.4	795.9	814.9	838.1	863.4	883.2	892.8	884.3
57.5°	779.5	780.8	790.4	802.2	821.6	849.8	888.4	932.2	970.3	994.5	990.7
60°	777.0	776.9	786.8	803.0	830.1	867.5	922.1	982.7	1041.1	1077.4	1072.0
62.5°	750.2	751.6	765.7	785.1	817.9	862.7	927.8	1005.2	1075.1	1120.1	1115.7
65°	691.6	692.7	707.7	730.8	767.4	820.5	891.7	977.5	1057.5	1100.8	1092.7
67.5°	596.9	597.9	610.2	636.3	675.0	730.4	807.3	901.8	980.1	1014.3	989.7
70°	474.8	477.7	485.6	513.1	542.7	596.8	667.7	762.1	836.1	868.5	841.3
72.5°	323.5	330.8	340.5	364.8	393.1	438.1	494.5	574.1	633.5	670.9	646.7
75°	182.2	192.4	195.4	214.0	237.2	272.7	314.0	371.0	430.9	461.4	432.2
77.5°	78.7	87.1	90.8	99.4	117.6	132.5	157.4	196.0	242.2	263.6	228.7
80°	38.8	40.7	42.3	45.0	50.1	54.9	66.8	83.7	102.7	107.4	85.6
82.5°	30.0	31.4	34.1	36.3	37.5	38.8	39.9	42.1	44.1	45.0	42.4
85°	21.0	23.0	25.9	28.3	29.8	30.7	31.7	32.4	30.7	28.1	29.5
87.5°	5.5	7.3	10.0	11.0	12.3	13.0	12.7	13.2	11.9	8.7	9.7
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°	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9
2.5°	182.8	182.7	182.8	182.8	182.8	182.7	182.7	182.7
5°	186.0	186.0	186.2	186.0	186.0	186.0	185.9	185.8
7.5°	191.6	191.4	191.4	191.3	191.4	191.3	191.3	191.2
10°	199.0	198.7	198.8	198.3	198.3	198.3	198.2	198.2
12.5°	206.9	206.5	206.6	206.1	205.5	205.6	205.8	205.6
15°	214.5	214.1	213.8	213.4	213.0	213.1	213.1	212.9
17.5°	222.3	221.5	221.4	220.9	220.7	220.7	220.8	220.9
20°	230.3	229.8	229.7	229.2	229.1	229.6	229.7	229.4
22.5°	239.1	238.7	239.1	238.7	239.2	239.4	239.6	239.4
25°	250.0	249.7	250.0	251.1	251.6	251.9	252.7	252.4
27.5°	264.0	263.6	264.7	266.0	267.0	268.4	269.0	269.3
30°	282.0	283.4	283.9	286.7	287.3	289.6	289.6	290.6
32.5°	308.5	310.9	315.1	319.4	325.6	330.0	330.0	332.2
35°	366.1	367.2	370.4	371.2	372.4	373.8	372.5	373.6
37.5°	410.5	406.1	403.0	398.7	395.9	395.9	396.3	395.9
40°	433.1	431.4	430.0	426.4	425.9	425.7	425.7	426.2
42.5°	473.7	469.6	467.4	464.2	463.2	462.9	462.8	463.1
45°	526.3	519.6	513.6	510.5	507.8	505.2	506.0	506.1
47.5°	587.7	577.3	567.4	562.0	557.4	555.2	553.9	553.4
50°	662.3	647.8	635.2	625.0	618.2	618.1	618.8	614.3
52.5°	753.8	731.0	715.1	701.5	695.2	694.4	692.1	689.6
55°	855.1	828.1	801.9	787.4	779.0	774.5	771.7	767.5
57.5°	959.6	923.3	885.6	862.2	847.5	837.3	831.9	829.5
60°	1040.2	990.5	940.8	903.3	878.9	863.6	854.3	850.5
62.5°	1072.0	1004.6	940.8	891.5	856.2	835.2	822.5	817.0
65°	1034.1	954.2	881.8	827.4	787.9	764.6	750.8	744.8
67.5°	928.6	858.1	779.2	725.0	684.5	661.3	646.4	642.1
70°	778.4	706.3	631.0	582.7	546.4	527.6	512.2	510.3
72.5°	584.9	522.8	458.2	418.2	389.2	358.0	350.0	354.0
75°	375.0	316.8	259.3	223.3	196.7	166.9	155.4	158.3
77.5°	177.6	137.6	99.3	76.7	64.4	55.1	52.7	51.3
80°	65.9	53.4	47.2	44.7	43.0	41.5	40.3	39.1
82.5°	42.6	41.7	40.4	40.0	38.7	36.7	32.9	31.4
85°	31.8	31.8	30.1	30.3	29.3	26.8	23.4	21.5
87.5°	9.3	8.4	7.6	7.1	7.0	6.2	4.6	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)