

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: P179956

Luminaire Tested: **ICM-E01-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P179956
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-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2531 lumens
Efficiency: N/A
Efficacy: 102.5 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

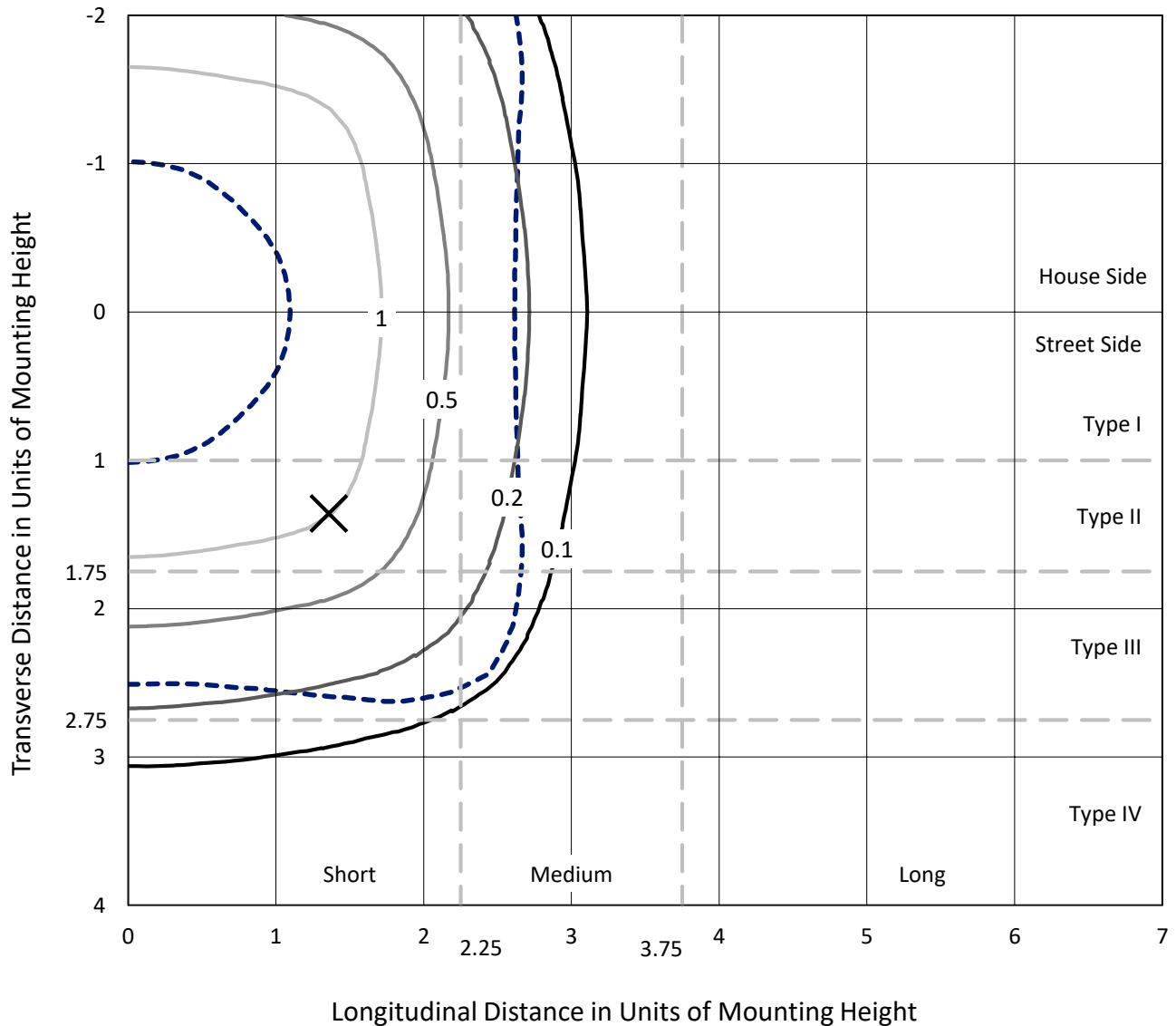
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

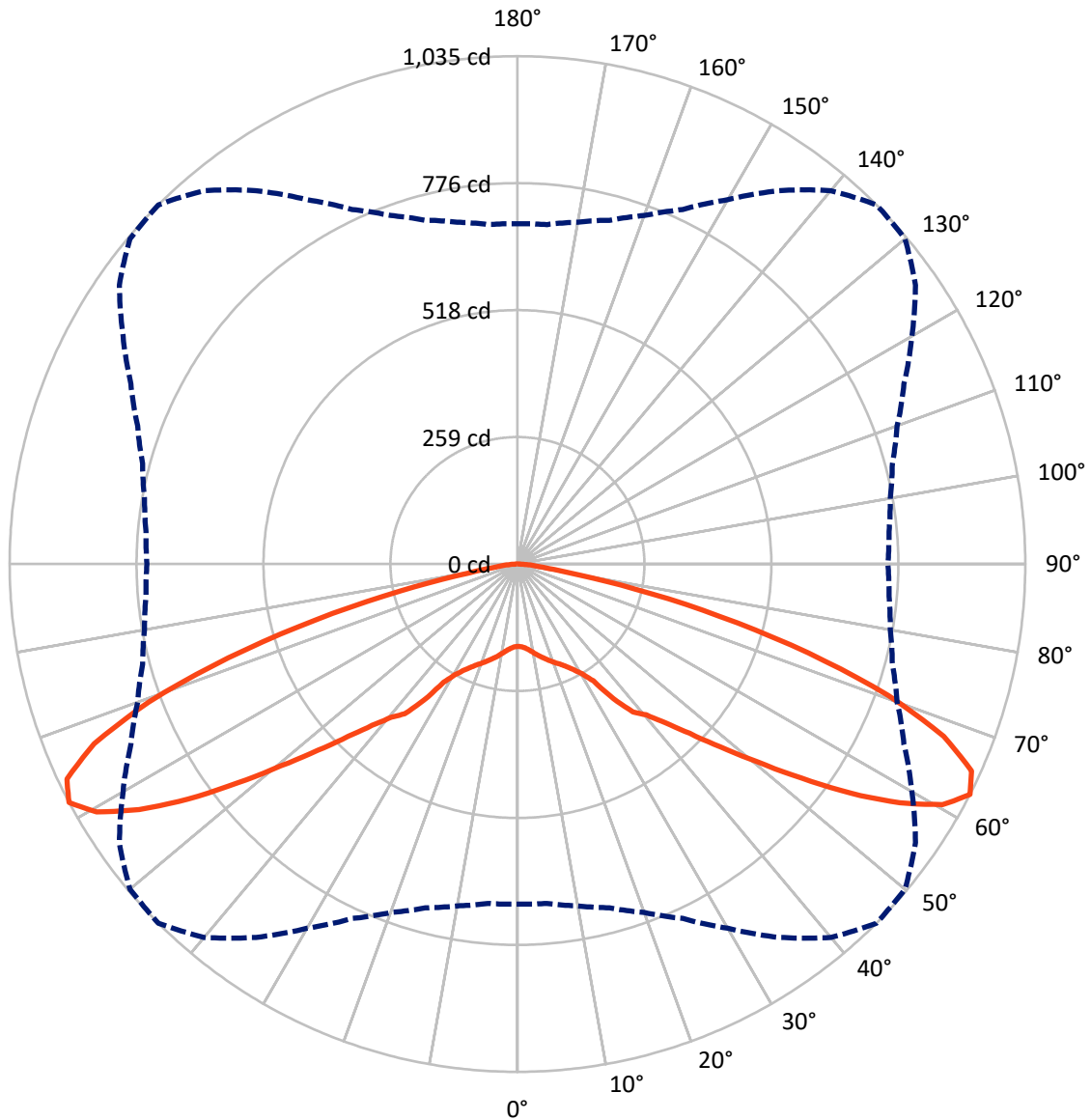
✕ Max cd
 - - - 1/2 Max cd



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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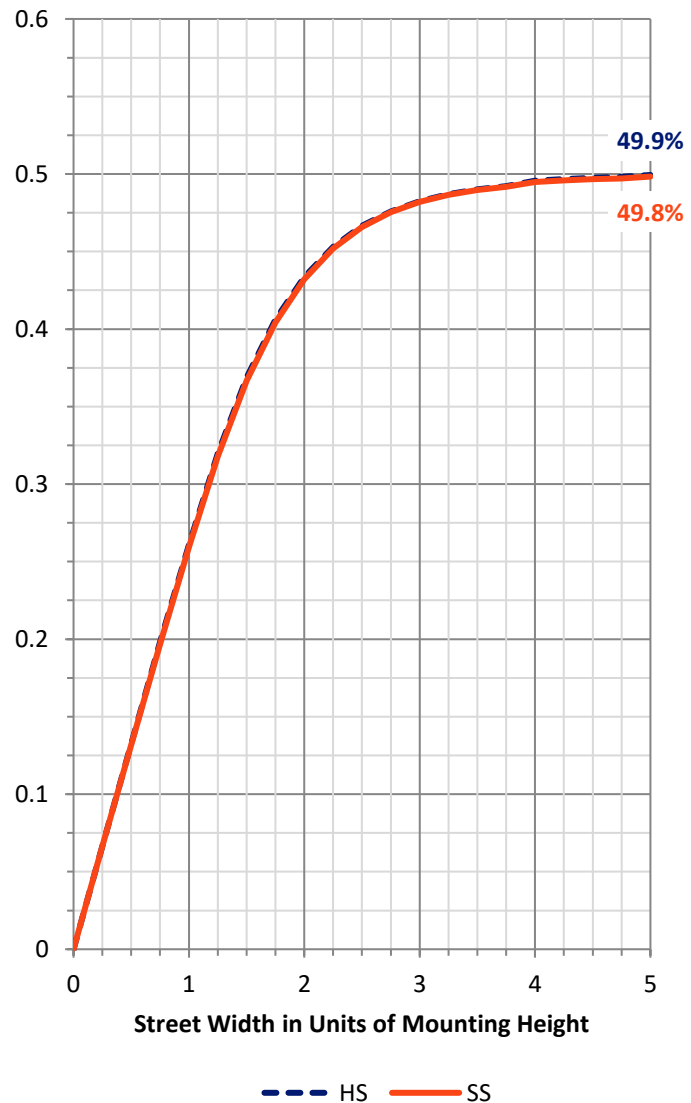
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1265.5	0.0	1265.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1265.5	0.0	1265.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2531.0	0.0	2531.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.7
10°-20°	56.9	2.2
20°-30°	110.0	4.3
30°-40°	213.1	8.4
40°-50°	384.7	15.2
50°-60°	669.0	26.4
60°-70°	759.5	30.0
70°-80°	294.4	11.6
80°-90°	26.6	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°	2531.0	100.0
0°-180°	2531.0	100.0



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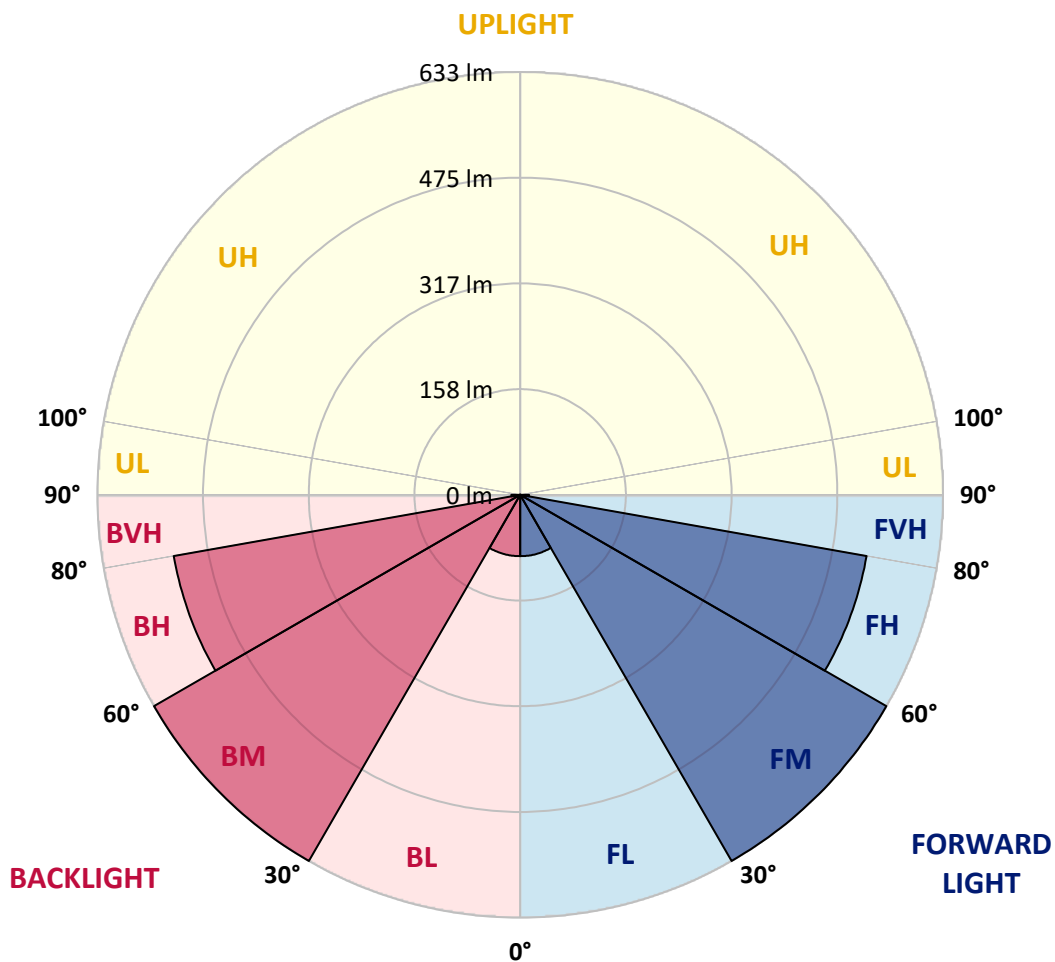
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.9	3.6			
FM (30°-60°)	633.4	25.0			
FH (60°-80°)	526.9	20.8			G0/660
FVH (80°-90°)	13.3	0.5			G1/100
BL (0°-30°)	91.9	3.6	B0/110		
BM (30°-60°)	633.4	25.0	B1/1000		
BH (60°-80°)	526.9	20.8	B2/1000		G0/660
BVH (80°-90°)	13.3	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°	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0
2.5°	169.1	169.6	169.5	169.1	169.1	169.2	169.1	168.7	168.6	168.7	169.1
5°	173.0	173.0	173.0	173.0	172.7	172.7	172.5	172.2	172.3	172.1	171.9
7.5°	179.0	178.6	178.6	178.5	178.4	178.2	177.8	177.3	177.5	177.3	177.2
10°	186.0	186.1	185.9	186.2	185.5	185.4	184.9	184.7	184.6	184.1	184.1
12.5°	194.6	194.2	194.2	194.0	193.7	193.4	192.6	192.5	192.0	191.6	191.3
15°	202.6	202.4	201.9	201.4	201.2	200.9	200.0	199.5	199.4	198.8	198.2
17.5°	210.6	210.2	209.7	209.3	208.8	208.4	207.6	206.9	206.5	206.2	205.6
20°	219.0	218.8	218.1	217.6	216.9	216.4	215.3	214.6	214.1	213.8	213.3
22.5°	229.6	229.1	228.1	227.2	225.7	225.2	223.6	222.7	222.0	221.6	221.2
25°	241.1	241.3	239.8	238.7	237.0	235.5	233.5	232.6	231.8	231.4	231.3
27.5°	255.5	255.6	254.3	252.7	250.0	248.6	245.9	244.6	244.2	243.7	243.5
30°	278.3	277.1	274.9	272.2	269.8	266.4	262.6	261.3	260.0	259.6	259.6
32.5°	320.2	319.5	317.8	310.9	307.7	300.7	294.0	290.2	286.0	283.9	282.5
35°	349.5	349.2	347.7	345.5	343.4	342.0	338.1	337.5	336.7	336.7	337.7
37.5°	371.2	369.5	369.3	369.7	369.1	369.4	372.6	376.8	380.5	382.3	382.1
40°	403.0	400.7	402.0	401.2	400.0	399.8	400.7	402.4	404.2	404.3	403.8
42.5°	444.7	445.8	446.3	442.6	440.0	439.4	441.9	441.3	443.1	442.4	440.7
45°	506.8	506.1	505.3	500.7	496.7	493.6	494.1	493.3	493.4	492.5	491.2
47.5°	569.3	571.5	567.8	565.6	561.1	558.9	560.7	559.2	562.1	556.7	554.0
50°	630.1	631.6	630.3	627.2	627.2	630.3	632.6	635.4	639.6	633.3	623.9
52.5°	679.8	681.1	683.0	685.7	692.1	698.8	708.2	718.3	726.2	725.0	714.3
55°	710.1	711.7	715.0	724.0	735.5	753.0	774.3	797.8	816.2	825.0	817.1
57.5°	720.4	721.5	730.4	741.2	759.3	785.3	820.9	861.4	896.6	918.9	915.4
60°	718.0	718.0	727.1	742.0	767.1	801.6	852.1	908.1	962.1	995.5	990.5
62.5°	693.2	694.5	707.5	725.4	755.8	797.1	857.3	928.9	993.5	1035.1	1031.0
65°	639.1	640.0	654.0	675.4	709.2	758.1	824.0	903.3	977.2	1017.2	1009.7
67.5°	551.5	552.5	563.8	587.9	623.8	675.0	746.0	833.3	905.7	937.3	914.5
70°	438.7	441.3	448.7	474.2	501.4	551.5	616.9	704.3	772.6	802.5	777.3
72.5°	299.0	305.6	314.6	337.2	363.3	404.8	456.9	530.4	585.3	619.9	597.6
75°	168.4	177.9	180.6	197.8	219.2	252.0	290.0	342.8	398.1	426.2	399.4
77.5°	72.7	80.5	83.9	91.9	108.7	122.3	145.5	181.0	223.9	243.7	211.4
80°	35.9	37.7	39.2	41.6	46.3	50.8	61.8	77.3	94.9	99.3	79.0
82.5°	27.7	29.0	31.5	33.5	34.6	35.8	36.8	39.0	40.7	41.7	39.3
85°	19.5	21.2	24.0	26.1	27.4	28.5	29.4	30.0	28.4	25.9	27.2
87.5°	5.0	6.7	9.3	10.1	11.3	12.1	11.8	12.1	11.0	8.0	8.9
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°	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0
2.5°	168.9	168.8	168.9	168.9	168.9	168.8	168.7	168.8
5°	171.9	171.9	172.1	171.8	171.7	171.9	171.8	171.7
7.5°	177.0	176.9	176.9	176.7	176.9	176.7	176.7	176.7
10°	183.8	183.6	183.7	183.3	183.3	183.2	183.3	183.2
12.5°	191.3	190.8	190.9	190.5	189.9	190.0	190.1	190.0
15°	198.2	197.9	197.4	197.2	196.8	196.9	196.9	196.8
17.5°	205.4	204.7	204.5	204.1	204.0	204.0	204.0	204.1
20°	212.8	212.4	212.3	211.9	211.7	212.1	212.3	212.0
22.5°	220.8	220.7	220.8	220.7	221.0	221.3	221.4	221.1
25°	230.9	230.7	231.1	232.0	232.6	232.7	233.5	233.2
27.5°	243.9	243.6	244.6	245.9	246.7	248.0	248.6	248.8
30°	260.7	261.8	262.3	264.9	265.5	267.6	267.5	268.5
32.5°	285.0	287.3	291.2	295.3	300.8	304.9	304.9	307.0
35°	338.4	339.4	342.3	343.0	344.2	345.5	344.2	345.2
37.5°	379.4	375.3	372.5	368.4	365.9	365.9	366.1	365.9
40°	400.3	398.7	397.4	394.0	393.5	393.3	393.3	393.9
42.5°	437.7	433.9	431.8	428.9	428.1	427.7	427.6	427.9
45°	486.3	480.2	474.6	471.7	469.2	466.8	467.7	467.6
47.5°	543.1	533.4	524.3	519.4	515.1	513.1	511.8	511.4
50°	612.0	598.7	586.9	577.6	571.4	571.2	571.8	567.6
52.5°	696.6	675.4	660.8	648.2	642.4	641.7	639.6	637.2
55°	790.1	765.2	741.0	727.4	719.8	715.6	713.1	709.2
57.5°	886.8	853.2	818.4	796.7	783.2	773.8	768.7	766.5
60°	961.2	915.4	869.4	834.7	812.1	798.1	789.4	785.9
62.5°	990.5	928.2	869.4	823.8	791.1	771.7	760.2	755.0
65°	955.5	881.9	814.8	764.7	728.1	706.4	693.8	688.3
67.5°	858.1	792.8	719.9	670.0	632.4	611.1	597.4	593.3
70°	719.3	652.7	583.1	538.4	504.9	487.5	473.3	471.6
72.5°	540.6	483.1	423.4	386.5	359.6	330.8	323.5	327.2
75°	346.5	292.7	239.6	206.3	181.8	154.3	143.6	146.3
77.5°	164.1	127.1	91.7	70.9	59.5	50.9	48.7	47.3
80°	60.8	49.3	43.5	41.3	39.8	38.3	37.3	36.1
82.5°	39.3	38.4	37.3	36.8	35.7	33.9	30.5	29.0
85°	29.4	29.4	27.9	28.0	27.1	24.7	21.6	19.9
87.5°	8.7	7.7	7.1	6.5	6.4	5.8	4.2	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)