

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: P180056

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180056
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E01-LED-E1-5WQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2499.6 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

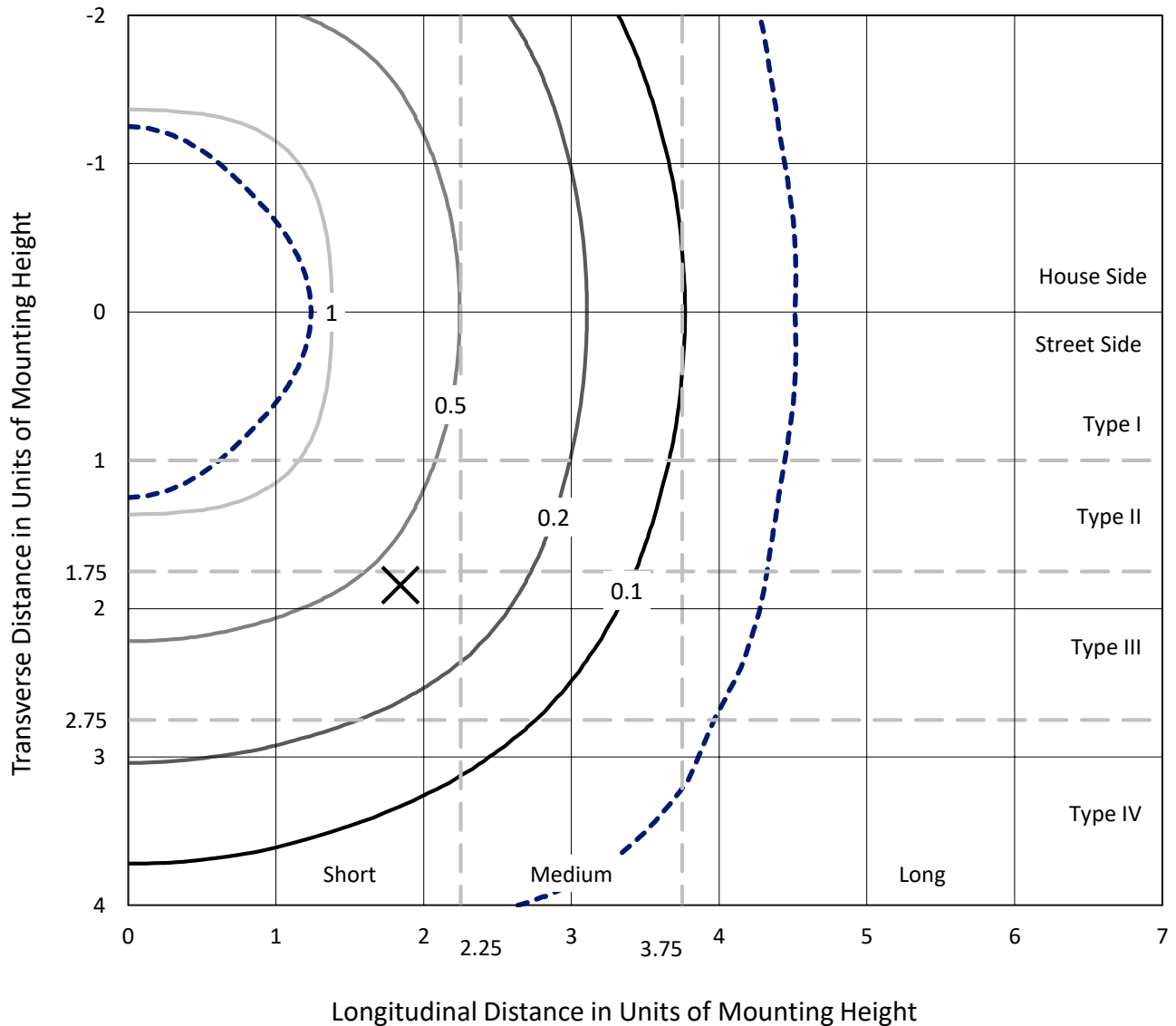
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

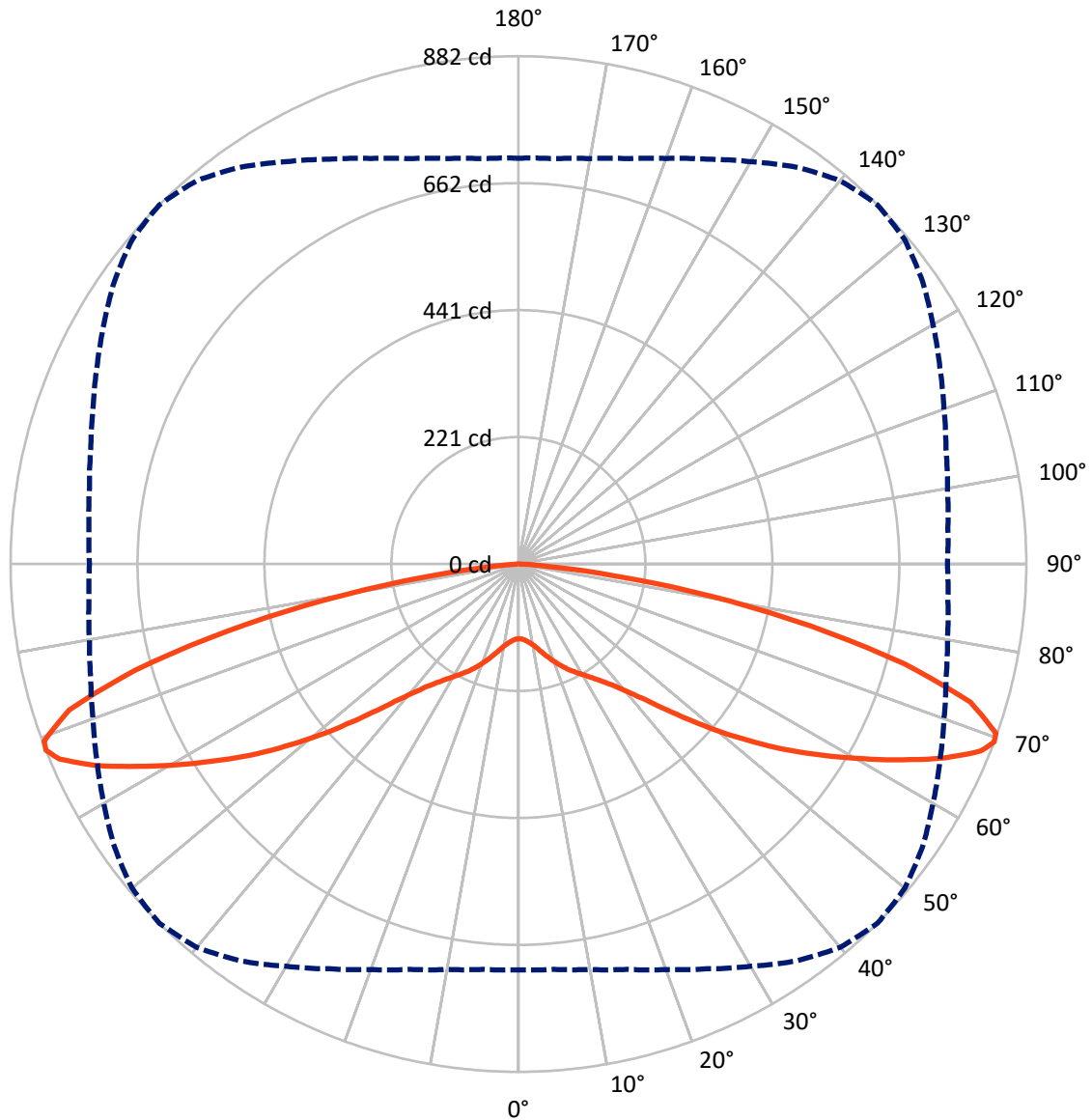
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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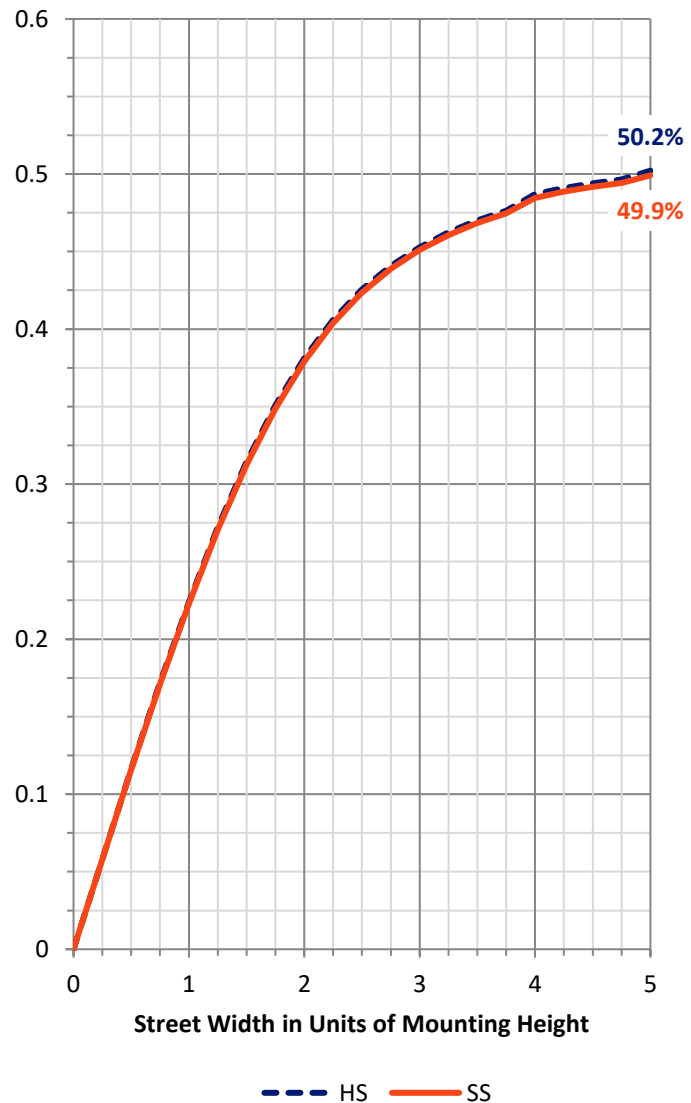
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1249.8	0.0	1249.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1249.8	0.0	1249.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2499.6	0.0	2499.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.5
10°-20°	46.0	1.8
20°-30°	93.2	3.7
30°-40°	156.3	6.3
40°-50°	275.6	11.0
50°-60°	486.0	19.4
60°-70°	742.0	29.7
70°-80°	620.1	24.8
80°-90°	67.4	2.7
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°	2499.6	100.0
0°-180°	2499.6	100.0



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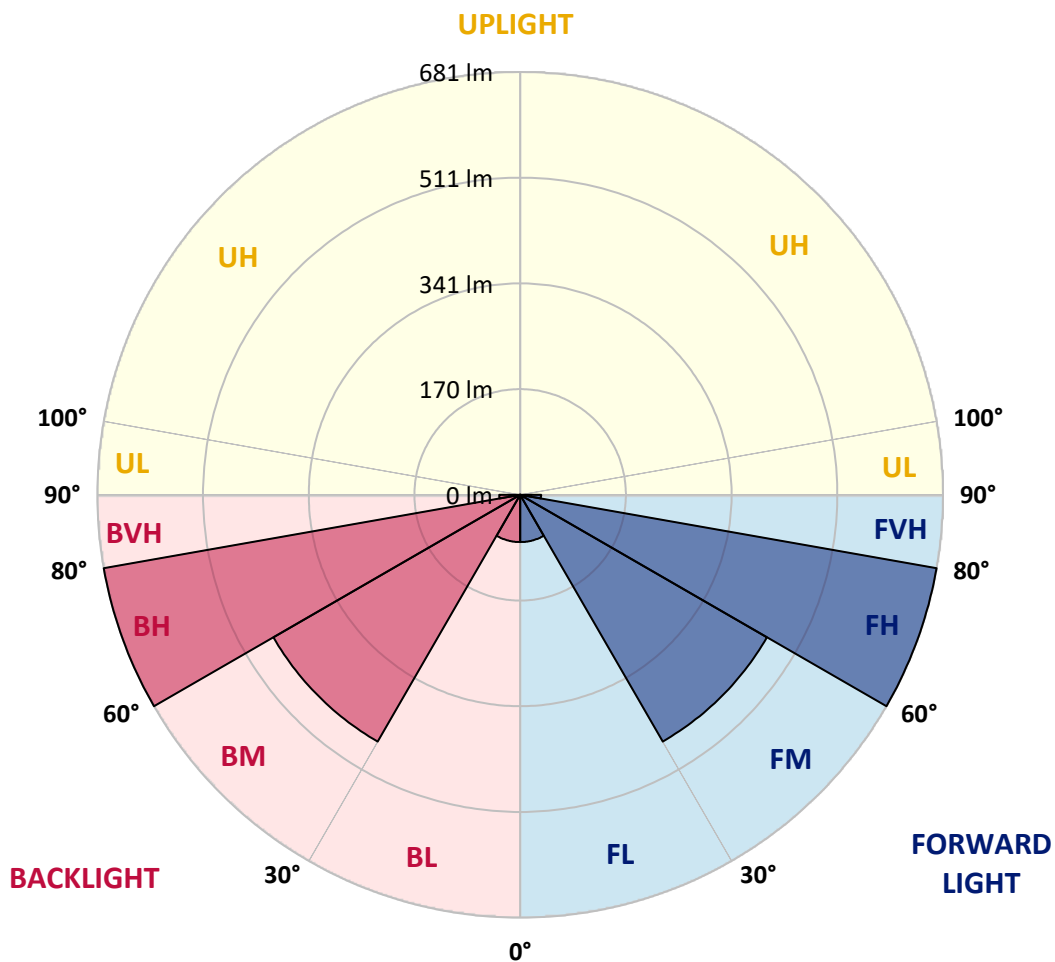
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.1	3.0			
FM	(30°-60°)	459.0	18.4			
FH	(60°-80°)	681.1	27.2			G1/1800
FVH	(80°-90°)	33.7	1.3			G1/100
BL	(0°-30°)	76.1	3.0	B0/110		
BM	(30°-60°)	459.0	18.4	B1/1000		
BH	(60°-80°)	681.1	27.2	B2/1000		G1/1800
BVH	(80°-90°)	33.7	1.3			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°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8
2.5°	130.9	131.1	130.9	130.9	130.9	130.9	130.9	130.6	130.6	130.6	130.9
5°	133.5	133.8	133.5	133.8	133.8	133.8	133.8	133.5	133.5	133.5	133.5
7.5°	137.7	137.7	137.7	138.0	137.7	137.7	138.0	137.7	137.7	137.7	137.7
10°	143.7	143.4	143.4	143.4	143.4	143.4	143.7	143.7	143.7	143.4	143.4
12.5°	151.0	150.7	151.0	151.0	151.3	151.3	151.3	151.3	151.3	151.3	151.0
15°	159.9	159.9	159.9	160.2	160.7	160.7	160.5	160.7	160.7	160.7	160.7
17.5°	169.9	170.3	169.9	170.1	170.3	170.1	170.6	170.9	171.2	170.9	170.1
20°	180.1	180.3	180.3	180.3	180.3	180.8	181.1	181.1	181.9	181.6	181.4
22.5°	189.8	190.2	190.2	190.5	190.5	191.4	191.4	191.4	191.8	192.4	191.8
25°	199.9	199.7	199.7	200.2	200.5	201.5	201.5	202.0	202.8	203.1	202.5
27.5°	209.1	208.8	208.8	209.6	209.9	211.2	211.2	212.3	212.7	213.0	212.5
30°	218.8	218.8	218.5	219.4	220.1	221.1	221.7	222.7	223.5	223.7	223.3
32.5°	230.3	229.8	230.0	230.6	231.1	232.1	232.9	234.2	235.3	235.5	235.0
35°	243.4	242.6	242.9	243.4	244.2	245.8	247.1	247.8	249.4	250.0	248.8
37.5°	257.8	258.0	257.8	259.1	260.4	262.2	263.8	264.8	266.4	267.2	266.4
40°	278.2	277.4	278.2	279.5	281.6	283.9	287.1	287.9	289.5	291.0	289.2
42.5°	304.7	304.1	306.0	307.0	309.3	311.9	315.9	318.0	320.3	321.4	319.8
45°	339.2	339.2	341.3	341.5	345.2	348.6	354.0	356.7	361.1	361.1	361.1
47.5°	377.4	379.0	380.3	382.9	385.5	391.8	397.3	403.0	407.2	407.7	407.0
50°	416.9	418.4	422.4	426.0	431.8	439.6	445.7	453.3	456.9	460.1	459.1
52.5°	460.6	460.8	465.6	470.3	478.7	487.3	496.9	504.8	511.4	514.2	511.9
55°	508.5	509.0	513.2	518.1	527.6	537.6	549.6	557.7	566.0	571.3	567.4
57.5°	560.3	560.6	564.7	570.8	582.1	592.0	603.4	615.0	622.9	627.5	624.9
60°	617.6	618.9	622.1	629.7	640.4	650.9	662.3	672.6	681.8	686.7	684.1
62.5°	678.9	680.2	684.7	690.6	700.1	711.5	722.6	735.6	743.3	748.7	744.8
65°	719.9	722.3	729.4	737.5	751.4	766.2	779.1	796.9	806.1	812.6	808.9
67.5°	722.6	723.9	732.5	744.8	763.4	785.9	812.1	839.8	857.9	866.5	860.2
69°	704.7	706.6	715.0	728.8	749.5	775.7	806.8	841.4	869.1	882.0	875.9
70°	684.7	688.6	697.7	712.8	733.0	760.5	792.7	829.6	862.1	879.6	875.2
72.5°	642.2	643.3	649.3	661.3	676.7	699.5	729.9	764.7	795.5	820.7	824.4
75°	570.0	573.4	577.9	586.0	593.8	610.3	630.7	654.5	672.6	691.9	692.7
77.5°	430.8	440.9	444.4	446.2	449.6	462.7	480.5	501.1	516.1	519.3	518.7
80°	193.4	207.0	210.1	225.0	234.2	255.9	283.2	314.8	336.0	338.4	332.7
82.5°	38.0	40.6	47.3	59.2	80.6	93.4	111.3	133.5	153.9	165.7	158.6
85°	12.6	13.3	15.4	17.0	19.6	22.2	27.0	33.5	41.6	46.0	41.1
87.5°	4.9	4.9	5.8	6.3	6.8	6.8	6.8	6.3	6.0	4.9	4.5
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°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8
2.5°	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6
5°	133.5	133.2	133.2	132.9	132.9	132.9	132.9	132.9
7.5°	137.4	137.1	136.8	137.1	136.8	136.8	136.8	136.8
10°	143.4	142.9	142.6	142.3	142.3	142.3	142.1	142.1
12.5°	150.5	150.5	150.2	150.0	149.4	149.7	149.4	148.9
15°	160.2	159.6	159.3	159.1	158.6	158.6	158.6	158.3
17.5°	169.9	169.3	169.3	168.6	168.3	168.3	168.3	168.6
20°	180.6	179.8	179.3	178.7	178.2	178.5	178.0	178.5
22.5°	191.4	190.2	189.8	188.9	188.2	188.2	187.9	187.3
25°	201.8	200.5	199.9	199.2	198.1	198.1	197.6	197.0
27.5°	211.7	210.4	209.9	208.3	207.3	207.0	206.5	206.2
30°	222.7	221.1	220.4	218.8	217.2	216.9	216.2	216.2
32.5°	234.2	232.7	232.1	229.8	228.5	228.5	227.9	227.4
35°	248.7	246.2	245.8	243.4	241.6	241.6	241.0	241.3
37.5°	265.7	263.8	262.0	260.1	258.0	257.8	257.2	256.7
40°	288.4	286.3	284.2	281.6	279.7	279.3	278.4	278.2
42.5°	318.8	316.7	312.5	310.4	308.6	307.0	306.7	306.4
45°	357.5	354.9	352.0	348.1	345.7	342.3	341.8	340.5
47.5°	404.1	399.1	394.1	390.7	387.1	383.2	382.3	380.3
50°	453.5	449.6	441.2	435.7	430.0	426.0	423.4	422.6
52.5°	506.7	499.4	491.0	483.6	475.3	470.0	465.3	464.0
55°	562.1	551.6	541.2	532.6	524.2	518.0	513.5	511.4
57.5°	617.6	606.1	594.6	585.2	578.1	570.0	565.6	564.5
60°	675.4	664.5	652.7	643.3	634.6	627.5	624.9	620.0
62.5°	736.7	725.2	714.2	705.0	694.1	689.0	684.7	681.8
65°	796.9	783.5	769.7	760.0	749.0	742.0	736.5	732.5
67.5°	843.4	823.4	804.7	788.5	773.6	762.6	755.5	751.9
69°	856.6	831.4	807.6	786.4	768.8	756.6	748.7	745.0
70°	855.0	827.3	801.1	777.8	758.7	745.6	738.1	731.2
72.5°	806.6	781.2	752.1	726.8	709.5	696.9	689.3	685.7
75°	688.3	671.3	650.3	630.7	618.1	610.8	601.4	601.7
77.5°	501.1	501.7	487.5	467.4	453.3	450.7	446.4	442.2
80°	310.9	286.0	269.9	248.1	232.1	218.2	212.3	199.2
82.5°	143.4	112.0	86.9	65.7	50.5	39.5	34.5	28.3
85°	31.9	24.4	20.2	16.2	13.9	12.8	10.5	9.7
87.5°	4.5	3.9	3.6	3.4	2.9	2.1	1.6	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)