

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: P180161

Luminaire Tested: **ICM-F01-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180161
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F01-LED-E1-5XQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2061.3 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

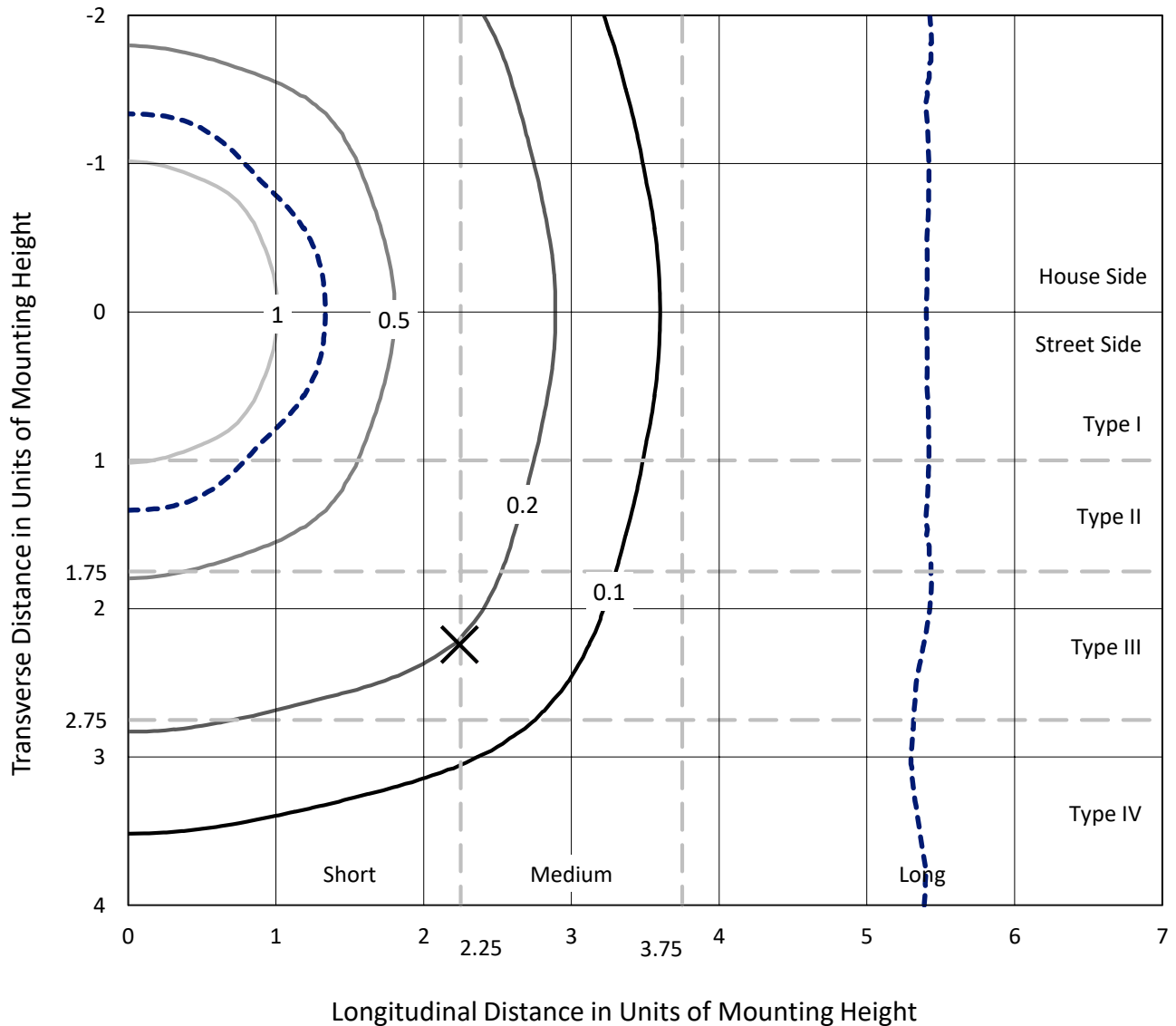
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

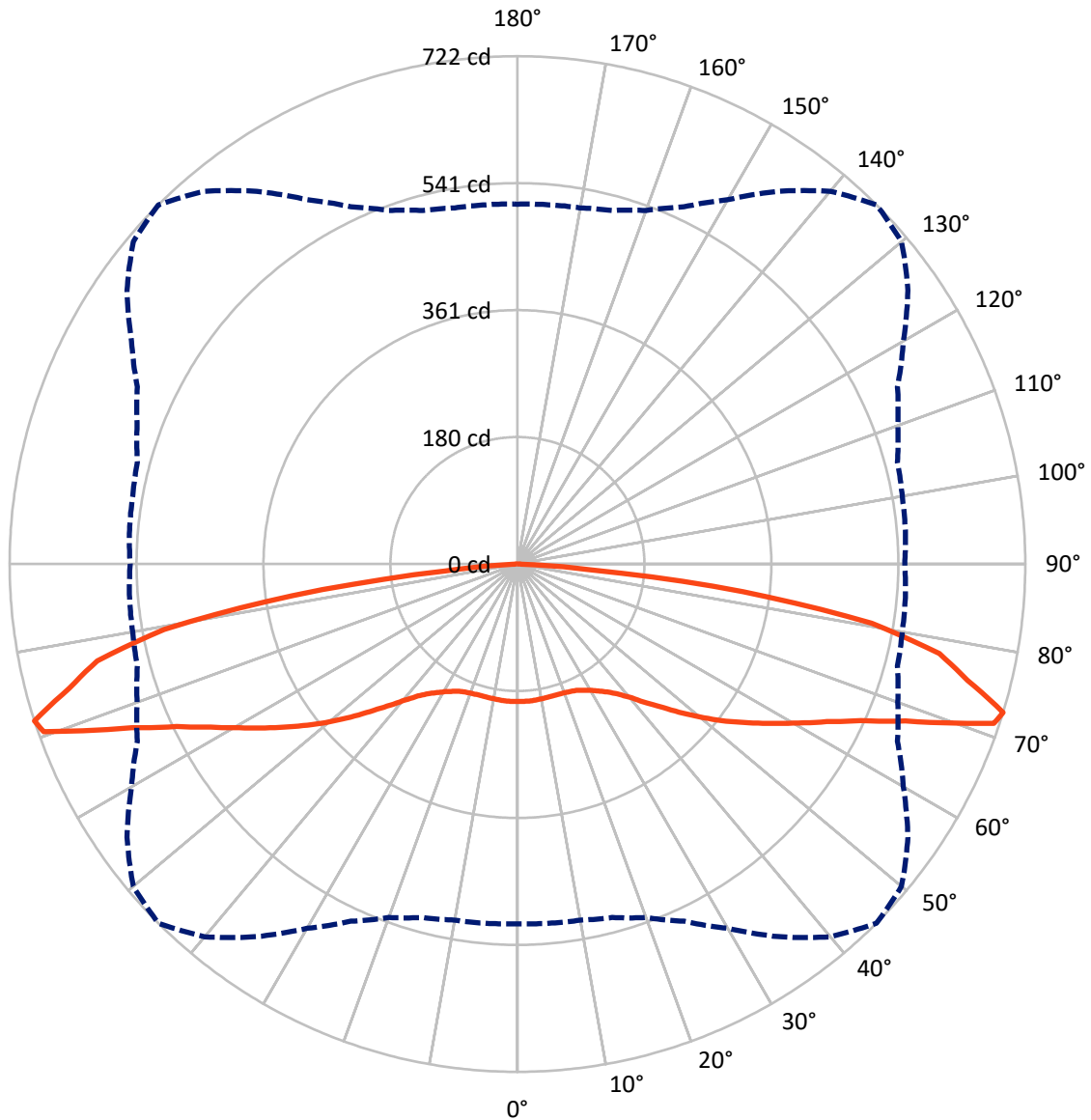
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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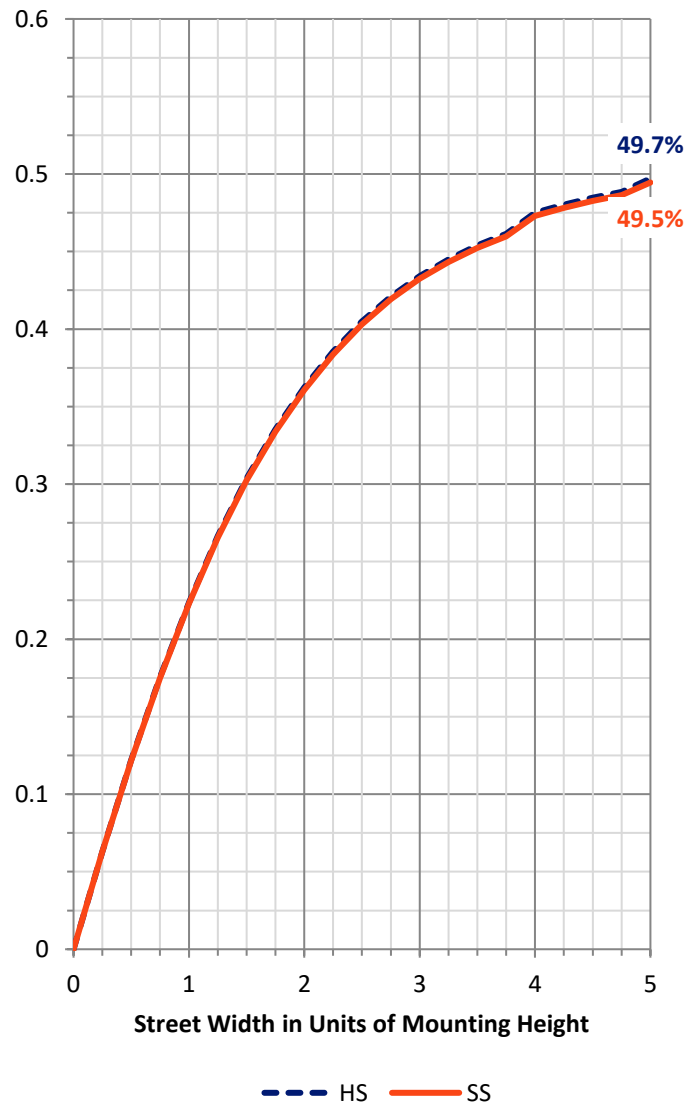
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1030.7	0.0	1030.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1030.7	0.0	1030.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2061.3	0.0	2061.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.9
10°-20°	55.1	2.7
20°-30°	92.2	4.5
30°-40°	140.6	6.8
40°-50°	224.4	10.9
50°-60°	345.1	16.7
60°-70°	502.5	24.4
70°-80°	566.0	27.5
80°-90°	116.8	5.7
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°	2061.3	100.0
0°-180°	2061.3	100.0



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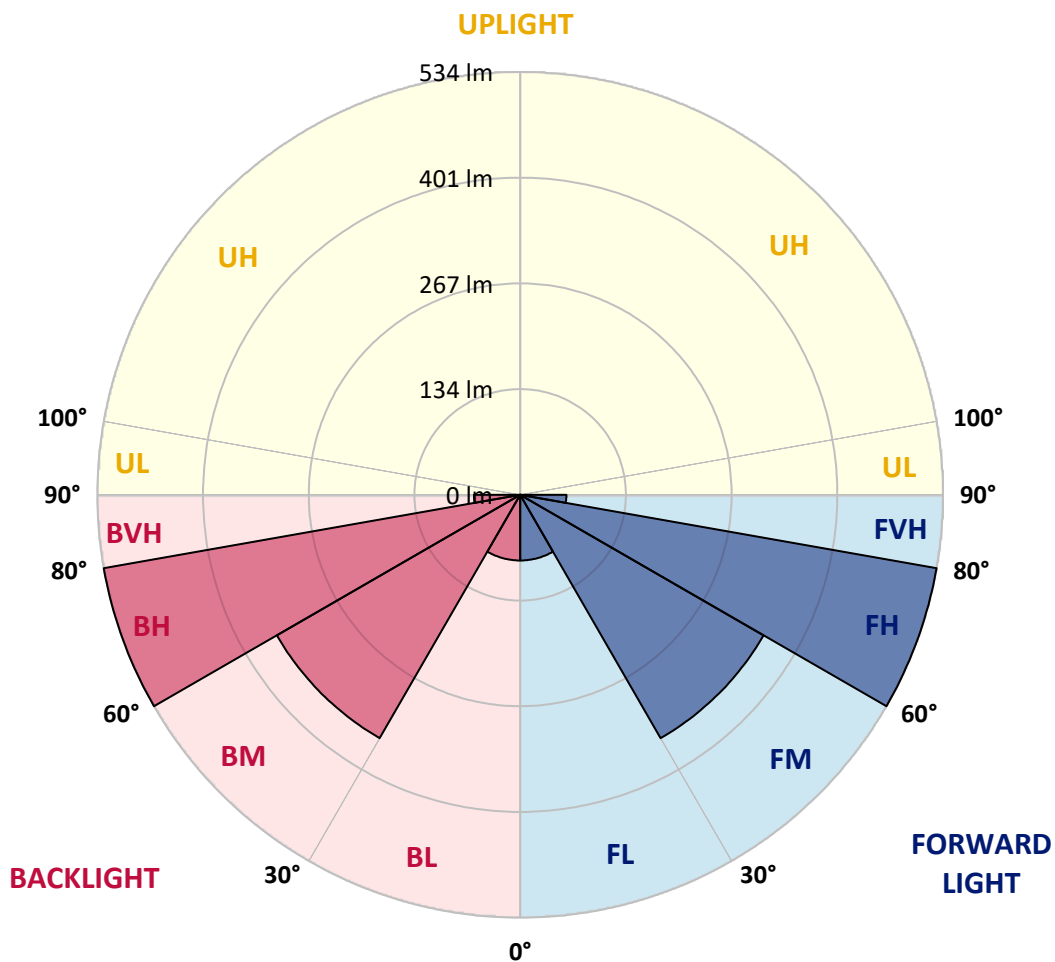
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.9	4.0			
FM	(30°-60°)	355.1	17.2			
FH	(60°-80°)	534.2	25.9			G0/660
FVH	(80°-90°)	58.4	2.8			G1/100
BL	(0°-30°)	82.9	4.0	B0/110		
BM	(30°-60°)	355.1	17.2	B1/1000		
BH	(60°-80°)	534.2	25.9	B2/1000		G0/660
BVH	(80°-90°)	58.4	2.8			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°	195.3	195.3	195.3	195.3	195.3	195.3	195.3	195.3	195.3	195.3	195.3
2.5°	195.6	195.7	195.7	195.6	195.6	195.5	195.4	195.4	195.1	195.3	195.5
5°	195.6	195.5	195.4	195.4	195.4	195.5	195.4	195.3	195.2	195.4	195.2
7.5°	195.5	195.4	195.2	195.2	195.2	195.3	195.1	194.9	195.0	194.9	194.6
10°	195.2	195.0	195.1	194.9	195.0	194.8	194.7	194.5	194.6	194.4	194.1
12.5°	195.4	195.1	195.0	194.9	194.8	194.8	194.5	194.2	194.2	194.1	193.9
15°	195.4	195.2	195.1	194.9	194.8	194.7	194.4	194.2	194.2	194.1	193.8
17.5°	195.4	195.4	195.3	195.1	195.0	194.9	194.4	194.3	194.5	194.1	194.0
20°	195.7	195.6	195.7	195.5	195.3	195.4	195.0	194.9	195.0	195.0	194.3
22.5°	196.5	196.4	196.5	196.5	196.4	196.5	196.2	196.3	196.3	196.3	195.7
25°	198.1	198.1	198.3	198.3	198.3	198.7	198.5	198.5	198.8	198.7	198.3
27.5°	201.7	201.6	201.7	201.8	202.0	202.5	202.4	202.6	203.0	203.0	202.5
30°	205.7	205.6	205.9	206.1	206.3	207.1	206.8	207.6	208.0	208.3	208.0
32.5°	211.5	211.5	212.0	212.2	212.7	213.4	213.6	214.2	214.7	215.3	214.9
35°	219.4	219.2	219.5	219.9	220.6	221.2	221.5	222.3	223.2	223.4	222.8
37.5°	231.2	230.6	231.3	231.4	232.0	232.2	232.9	234.0	234.8	234.7	234.2
40°	247.3	247.2	246.9	246.5	247.4	247.6	247.6	249.0	250.3	250.1	250.0
42.5°	266.0	265.6	265.2	265.2	265.7	265.8	267.4	268.6	269.4	269.7	269.5
45°	286.3	285.8	285.9	285.7	285.8	286.5	287.4	289.5	291.3	291.3	290.3
47.5°	308.0	306.4	307.6	306.0	307.0	307.5	310.0	312.9	315.9	316.5	315.6
50°	330.0	329.9	329.8	329.4	329.9	331.1	334.0	338.6	341.6	343.4	342.2
52.5°	354.1	353.3	352.9	352.4	352.8	355.2	359.4	363.4	368.6	370.8	369.0
55°	377.5	377.2	375.8	375.8	376.8	380.5	385.0	390.0	395.5	398.0	397.4
57.5°	401.7	400.1	399.6	399.0	401.0	404.5	410.0	418.8	424.7	427.5	426.0
60°	425.1	424.0	423.1	422.9	424.3	429.0	437.0	447.6	454.9	458.6	456.0
62.5°	450.4	449.7	448.6	447.4	450.3	456.5	466.4	478.1	488.9	493.4	489.5
65°	481.9	480.4	479.2	477.6	480.0	487.6	500.1	516.7	531.2	536.5	533.7
67.5°	515.1	513.6	513.7	512.7	517.0	527.7	543.8	566.3	585.7	594.7	589.3
70°	544.0	544.8	545.0	549.0	556.5	572.7	599.4	634.7	664.0	677.8	672.1
71°	535.4	537.2	540.0	544.1	557.0	576.1	612.7	655.4	690.4	713.8	705.9
72.5°	511.3	512.4	513.8	520.0	534.5	559.9	597.6	646.4	691.4	721.6	712.5
75°	476.3	477.3	477.8	482.1	495.4	517.5	551.9	595.4	635.0	660.7	658.1
77.5°	423.4	423.6	427.4	434.1	449.0	474.3	510.6	555.5	592.8	612.8	600.2
80°	304.1	302.0	306.0	314.6	333.0	362.0	399.3	450.5	491.9	510.6	491.0
82.5°	115.7	122.0	131.8	146.2	152.4	184.7	219.4	249.5	284.5	323.4	313.7
85°	12.5	14.0	17.6	21.8	27.5	38.0	52.6	71.7	88.4	103.9	92.3
87.5°	4.7	4.7	5.3	6.1	6.2	6.5	6.9	8.1	7.5	6.5	5.2
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°	195.3	195.3	195.3	195.3	195.3	195.3	195.3	195.3
2.5°	195.3	195.4	195.3	195.4	195.4	195.2	195.2	195.2
5°	195.3	195.1	195.2	195.2	195.2	195.3	195.1	195.2
7.5°	195.0	194.6	194.8	194.8	194.7	194.8	194.7	194.6
10°	194.4	194.0	194.2	194.1	194.0	194.1	194.1	194.0
12.5°	194.0	193.7	193.7	193.7	193.7	193.8	193.7	193.9
15°	193.9	193.4	193.4	193.3	193.3	193.4	193.4	193.6
17.5°	193.8	193.2	193.1	193.0	193.1	193.3	193.4	193.3
20°	194.0	193.7	193.5	193.4	193.3	193.6	193.6	193.6
22.5°	195.5	195.1	195.0	194.5	194.4	194.5	194.4	194.4
25°	198.0	197.4	197.1	196.6	196.1	196.1	195.9	195.9
27.5°	202.4	201.4	201.2	200.7	200.1	200.2	199.9	199.8
30°	207.4	206.6	205.9	205.1	204.5	204.2	203.8	203.7
32.5°	214.1	213.1	212.3	211.4	210.4	210.0	209.3	209.0
35°	222.2	221.0	219.9	219.3	218.3	217.9	217.4	217.9
37.5°	233.7	232.1	231.5	230.9	230.2	229.5	229.6	229.4
40°	249.4	248.0	247.4	246.2	246.0	245.2	245.8	245.2
42.5°	268.9	266.3	266.0	265.0	264.7	264.2	264.4	264.0
45°	290.1	287.8	287.4	285.9	286.0	284.7	285.2	285.1
47.5°	314.0	311.6	309.6	308.5	308.1	307.4	307.7	307.7
50°	338.6	335.4	333.2	330.9	330.0	330.2	329.5	330.8
52.5°	365.1	360.2	357.0	355.0	353.1	353.5	353.6	354.0
55°	392.5	386.2	381.7	379.0	377.3	377.3	377.9	378.3
57.5°	420.0	412.3	406.0	402.0	400.9	401.3	401.3	401.3
60°	448.6	439.3	431.3	426.6	425.7	425.4	427.5	426.8
62.5°	479.4	468.0	459.8	453.9	452.5	453.4	455.3	454.9
65°	520.0	504.4	493.8	487.9	485.5	486.5	489.0	488.9
67.5°	572.4	550.6	536.6	529.0	527.4	528.6	529.9	531.3
70°	650.8	619.7	599.6	583.3	576.3	574.9	576.4	576.4
71°	678.4	642.6	610.8	590.8	579.4	574.5	574.9	572.5
72.5°	677.3	633.2	595.9	575.1	559.1	555.2	553.3	550.3
75°	631.6	591.9	559.6	536.8	521.4	516.8	513.5	513.3
77.5°	572.8	543.5	507.9	483.8	465.0	457.4	454.0	454.0
80°	460.5	416.6	390.5	376.0	353.4	346.9	339.9	337.3
82.5°	278.5	217.7	176.9	157.2	146.3	120.6	108.2	102.3
85°	64.8	46.0	31.8	20.8	15.0	11.9	9.2	8.1
87.5°	4.4	3.4	3.1	2.5	1.9	1.9	1.1	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)