

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: P670648

Luminaire Tested: **CCP-SA-1A-730-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670648
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-730-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

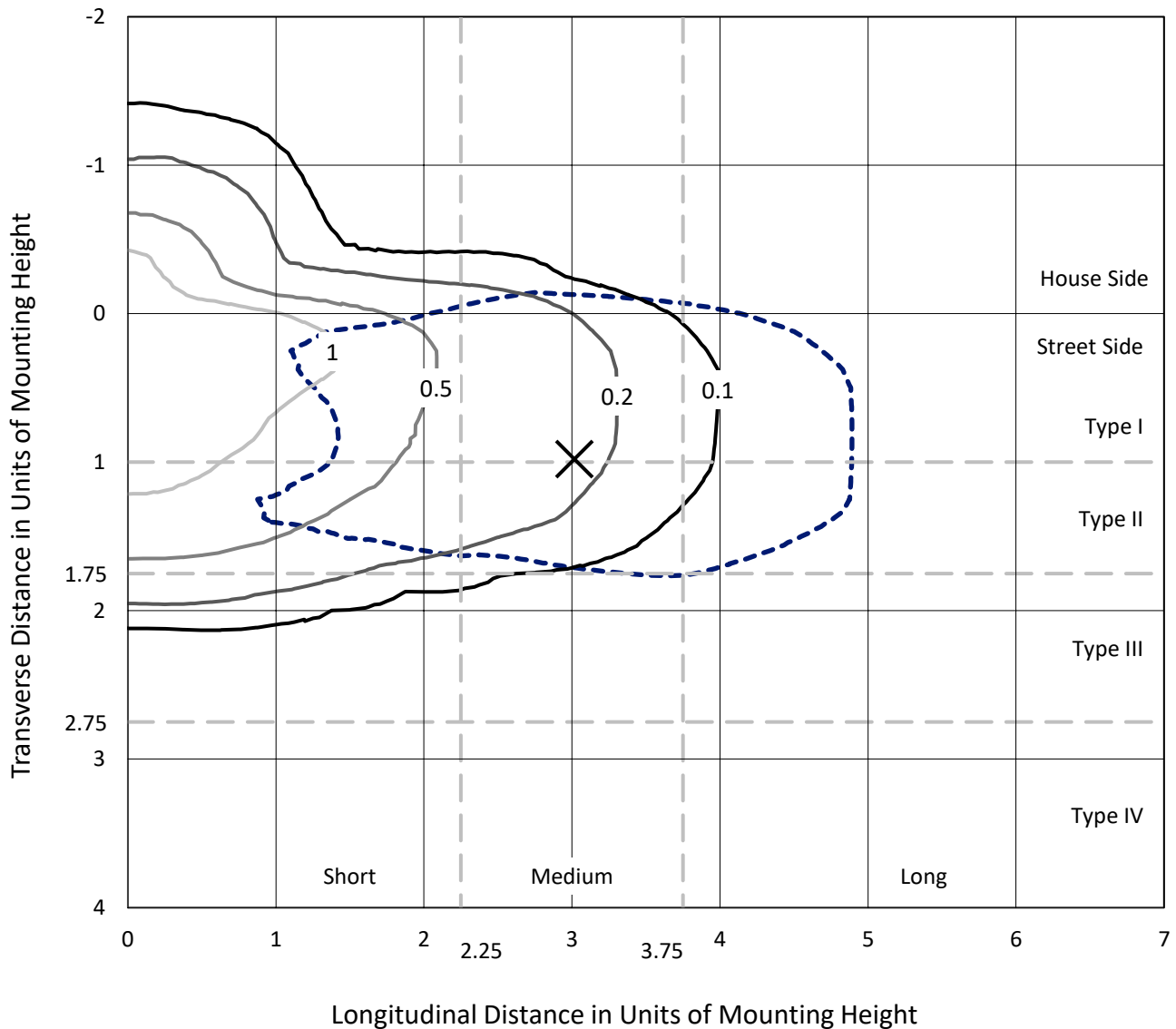
Lumens per Lamp: N/A
Luminaire Lumens: 2485 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
Input Voltage (V): 120
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

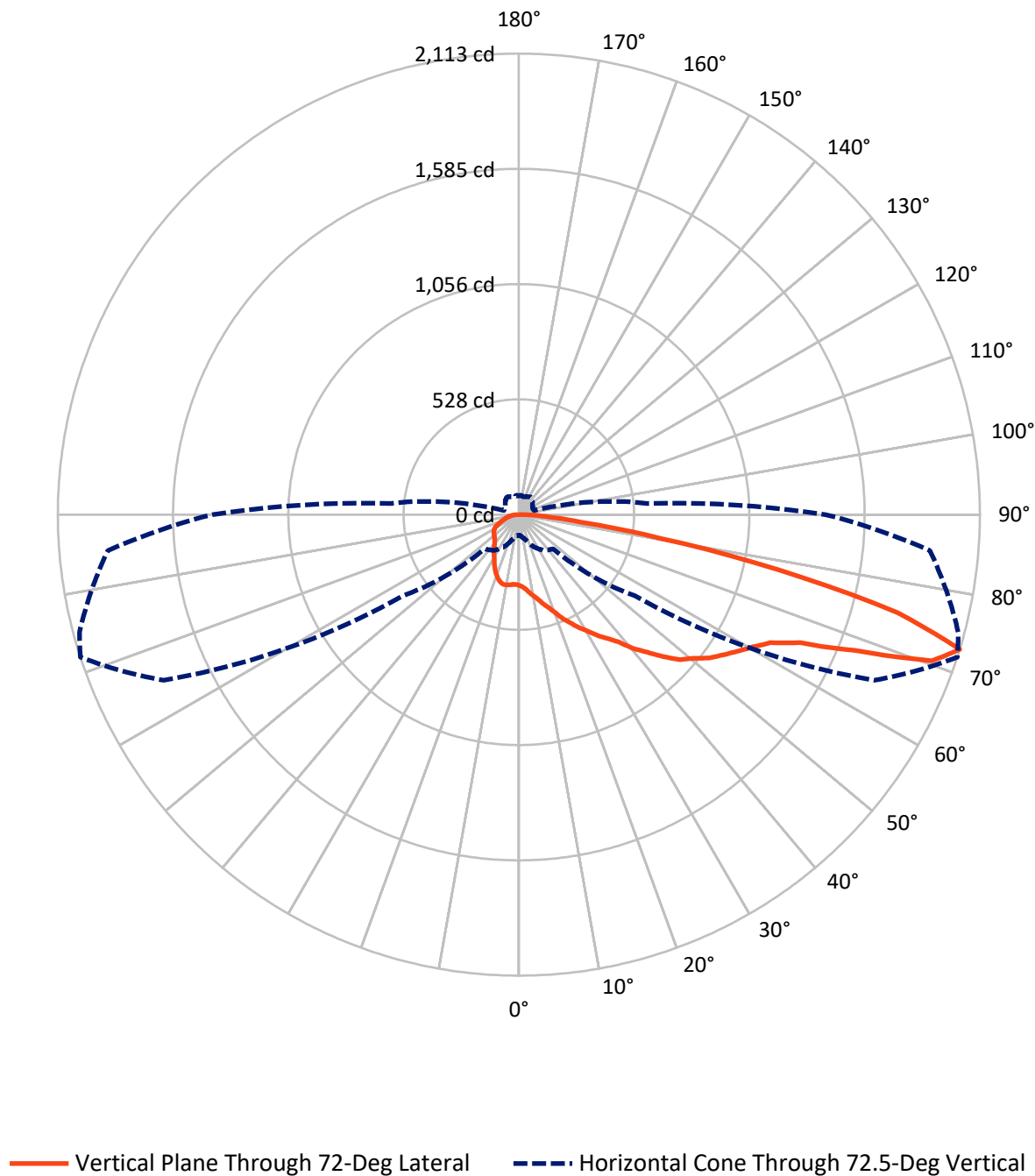


Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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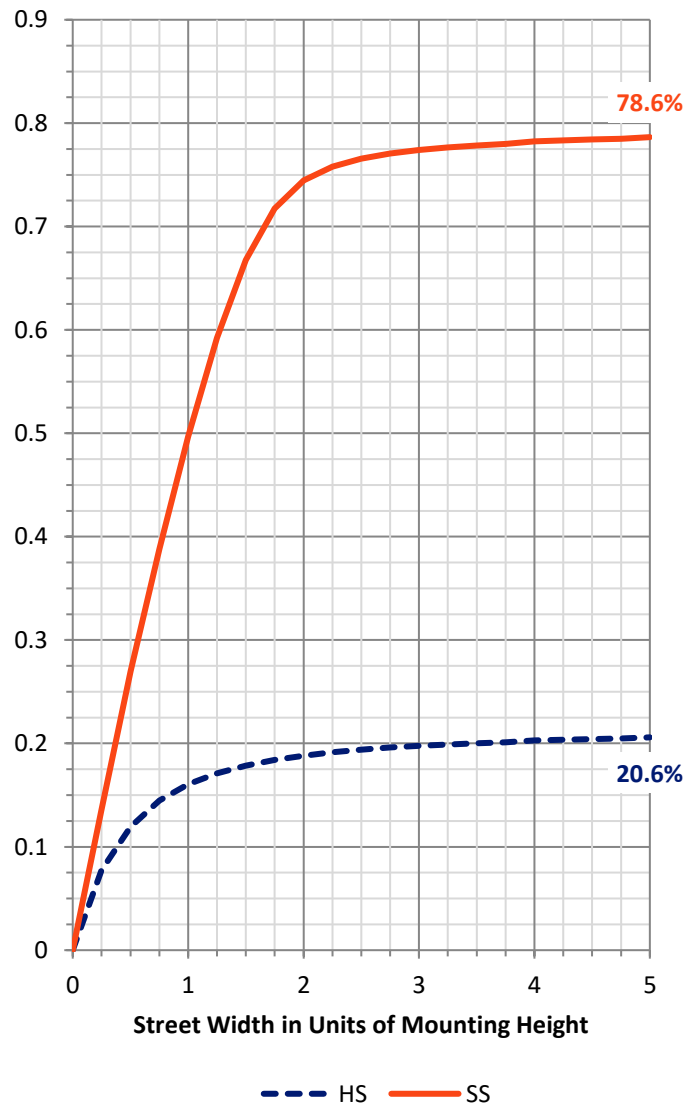
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.0	0.0	523.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	1962.0	0.0	1962.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	2485.0	0.0	2485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	1.3
10°-20°	99.7	4.0
20°-30°	172.6	6.9
30°-40°	254.9	10.3
40°-50°	379.0	15.3
50°-60°	519.6	20.9
60°-70°	563.7	22.7
70°-80°	397.4	16.0
80°-90°	66.0	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°	2485.0	100.0
0°-180°	2485.0	100.0

Coefficient of Utilization



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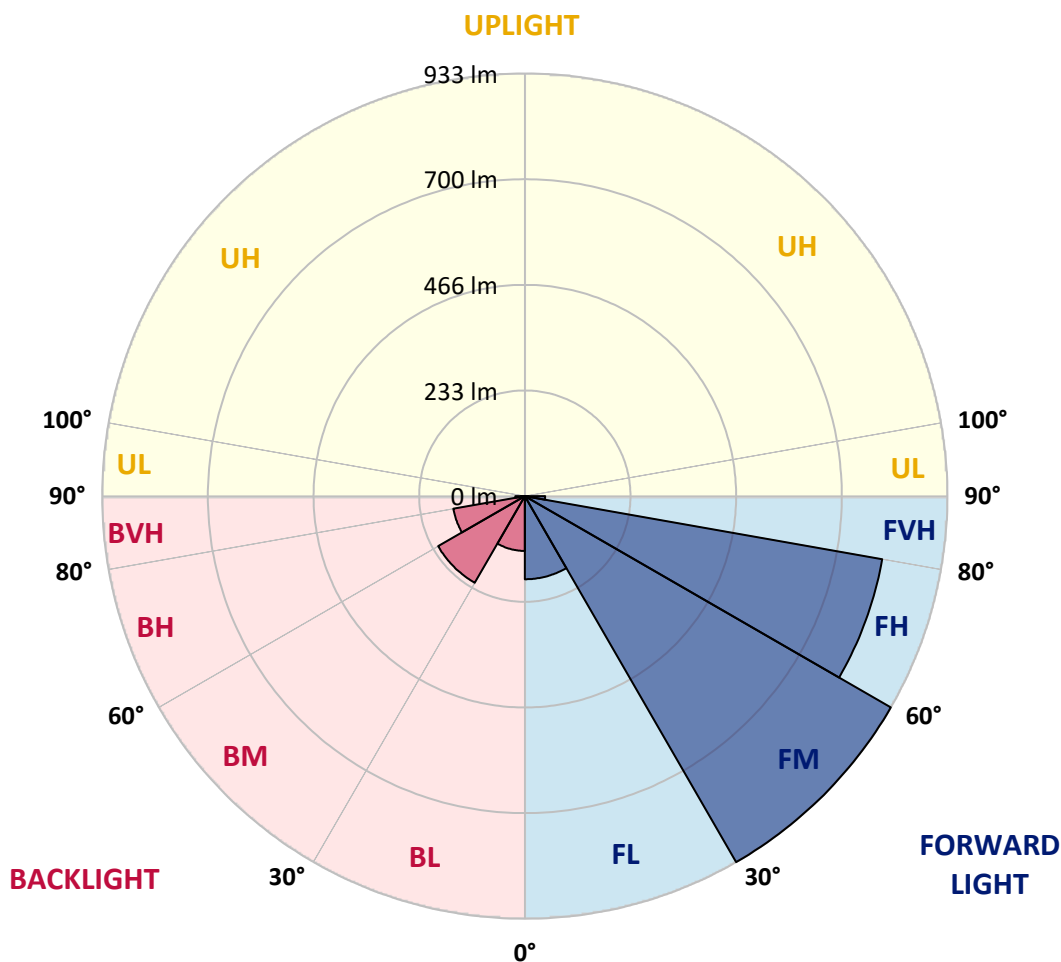
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.5	7.4			
FM	(30°-60°)	932.7	37.5			
FH	(60°-80°)	800.8	32.2			G1/1800
FVH	(80°-90°)	45.0	1.8			G1/100
BL	(0°-30°)	120.9	4.9	B1/500		
BM	(30°-60°)	220.9	8.9	B1/1000		
BH	(60°-80°)	160.2	6.4	B1/500		G1/500
BVH	(80°-90°)	21.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6
2.5°	350.3	350.3	347.5	346.6	346.6	339.3	340.2	335.6	331.9	331.9	328.3
5°	368.6	366.8	366.8	366.8	362.2	359.5	358.5	350.3	343.9	344.8	333.8
7.5°	373.2	374.1	375.0	379.6	376.9	378.7	376.9	367.7	363.1	358.5	348.5
10°	376.0	377.8	377.8	384.2	384.2	388.8	391.6	387.9	379.6	375.0	358.5
12.5°	382.4	379.6	383.3	387.9	392.5	400.7	409.0	405.3	399.8	394.3	376.0
15°	382.4	383.3	386.1	393.4	400.7	409.0	423.6	429.1	426.4	416.3	397.1
17.5°	371.4	368.6	381.5	395.2	409.0	419.1	438.3	451.2	449.3	445.7	416.3
20°	372.3	375.0	379.6	391.6	413.6	431.9	455.7	476.8	481.4	479.6	442.0
22.5°	388.8	389.7	394.3	399.8	417.2	441.1	476.8	510.8	519.0	514.4	470.4
25°	405.3	412.6	412.6	416.3	422.7	447.5	490.6	538.3	550.2	551.1	499.8
27.5°	431.9	433.7	439.2	441.1	446.6	461.2	506.2	558.4	586.0	582.3	526.3
30°	463.1	464.0	467.7	465.8	466.7	485.1	520.8	581.4	619.0	619.9	554.8
32.5°	499.8	507.1	508.9	497.0	498.8	503.4	543.8	608.9	660.2	653.8	579.5
35°	553.9	556.6	551.1	545.6	531.9	529.1	567.6	636.4	696.0	703.3	616.2
37.5°	620.8	628.1	620.8	591.5	576.8	565.8	597.0	666.6	739.1	763.8	652.9
40°	683.2	682.2	674.9	648.3	622.6	614.4	639.1	708.8	806.0	829.9	706.1
42.5°	733.6	730.8	726.3	706.1	682.2	668.5	687.7	752.8	862.0	907.8	767.5
45°	777.6	773.9	774.9	751.9	729.0	736.3	736.3	803.3	928.0	984.8	838.1
47.5°	818.9	820.7	817.9	800.5	783.1	802.4	792.3	861.0	993.1	1056.4	897.7
50°	866.6	870.2	861.0	850.0	834.5	853.7	840.9	915.2	1035.3	1121.5	969.3
52.5°	911.5	915.2	923.4	909.6	894.1	909.6	880.3	965.6	1091.2	1184.7	1024.3
55°	922.5	920.7	966.5	981.2	989.4	942.7	915.2	1008.7	1135.2	1225.1	1086.6
57.5°	872.1	876.6	939.0	981.2	1069.2	1028.9	954.6	1059.1	1181.1	1278.3	1144.4
60°	746.4	749.2	827.1	927.1	1055.4	1109.6	1061.0	1124.2	1231.5	1323.2	1209.5
62.5°	498.8	519.9	617.1	773.9	958.2	1131.6	1230.6	1234.3	1292.9	1380.1	1298.4
65°	263.2	273.3	349.4	475.9	726.3	1055.4	1390.1	1452.5	1415.8	1484.6	1426.8
67.5°	172.4	176.1	217.3	288.9	419.1	770.3	1408.5	1831.2	1662.5	1683.6	1632.2
70°	128.4	130.2	160.5	213.7	259.5	411.7	1154.5	2008.2	2007.3	1951.3	1876.1
72.5°	94.4	97.2	118.3	163.2	199.9	221.9	649.2	1796.4	2112.7	2084.3	1890.8
75°	74.3	76.1	87.1	126.5	161.4	145.8	329.2	1330.5	1791.8	1928.4	1730.3
77.5°	60.5	62.4	68.8	91.7	129.3	112.8	157.7	858.3	1215.0	1388.3	1324.1
80°	50.4	50.4	55.0	65.1	100.0	85.3	93.5	482.3	654.7	722.6	600.6
82.5°	43.1	42.2	45.8	47.7	74.3	61.4	60.5	218.2	287.9	305.4	225.6
85°	27.5	28.4	43.1	41.3	48.6	42.2	33.9	103.6	135.7	138.5	84.4
87.5°	11.0	11.0	18.3	22.9	27.5	25.7	16.5	46.8	59.6	59.6	23.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6
2.5°	327.4	323.7	320.9	319.1	314.5	309.9	310.9	309.9	306.3	304.4	304.4
5°	331.0	327.4	322.8	315.4	310.9	305.4	307.2	303.5	299.9	302.6	298.0
7.5°	340.2	333.8	327.4	316.4	309.0	300.8	297.1	295.3	292.5	290.7	290.7
10°	353.0	343.9	331.9	315.4	303.5	290.7	288.9	285.2	282.4	282.4	281.5
12.5°	365.9	355.8	335.6	309.0	288.9	279.7	278.8	279.7	281.5	282.4	283.3
15°	382.4	365.9	334.7	297.1	276.9	273.3	277.8	281.5	285.2	288.9	287.9
17.5°	398.0	378.7	326.4	282.4	266.8	267.8	276.0	283.3	290.7	294.4	295.3
20°	419.1	390.6	314.5	265.0	256.8	265.0	276.0	285.2	293.4	298.0	298.9
22.5°	442.9	404.4	298.9	249.4	248.5	256.8	267.8	281.5	290.7	298.9	298.0
25°	464.0	413.6	278.8	236.6	238.4	243.9	256.8	271.4	280.6	289.8	287.0
27.5°	477.7	415.4	257.7	227.4	227.4	232.9	244.8	254.0	262.3	269.6	270.5
30°	493.3	411.7	233.8	215.5	215.5	222.8	227.4	232.9	237.5	239.3	241.2
32.5°	511.7	403.5	219.2	206.3	206.3	211.8	214.6	212.7	211.8	207.2	210.0
35°	529.1	391.6	202.7	194.4	198.1	200.8	199.9	194.4	188.9	180.6	177.9
37.5°	550.2	379.6	188.0	181.6	188.0	188.9	188.9	182.5	175.1	165.1	165.1
40°	582.3	370.5	176.1	173.3	179.7	178.8	174.2	169.6	172.4	166.9	166.9
42.5°	616.2	366.8	165.1	166.0	168.7	169.6	165.1	159.6	170.6	164.1	165.1
45°	658.4	369.5	157.7	156.8	163.2	162.3	159.6	155.0	158.6	142.1	137.5
47.5°	697.8	375.0	154.1	150.4	157.7	159.6	155.9	145.8	140.3	130.2	128.4
50°	733.6	387.0	150.4	143.0	150.4	154.1	147.6	136.6	130.2	123.8	123.8
52.5°	767.5	404.4	148.6	134.8	141.2	145.8	142.1	131.1	123.8	121.0	118.3
55°	802.4	420.0	145.8	129.3	131.1	140.3	139.4	124.7	117.4	117.4	116.5
57.5°	851.9	441.1	142.1	120.1	123.8	133.9	133.9	122.0	113.7	114.6	115.5
60°	902.3	465.8	138.5	111.0	113.7	127.5	129.3	118.3	111.0	111.9	111.0
62.5°	983.0	511.7	131.1	100.0	105.5	119.2	123.8	113.7	107.3	109.1	109.1
65°	1105.0	590.5	115.5	90.8	97.2	111.9	118.3	109.1	101.8	107.3	105.5
67.5°	1301.2	698.7	97.2	83.4	91.7	104.5	111.9	103.6	97.2	105.5	102.7
70°	1477.3	751.9	83.4	77.0	83.4	96.3	104.5	98.1	91.7	100.0	96.3
72.5°	1405.7	589.6	72.4	69.7	76.1	87.1	97.2	90.8	84.4	88.9	85.3
75°	1213.2	469.5	63.3	62.4	67.9	78.9	88.9	84.4	77.9	79.8	77.9
77.5°	919.7	387.9	54.1	53.2	57.8	70.6	79.8	76.1	69.7	68.8	68.8
80°	410.8	190.7	44.9	44.9	47.7	60.5	67.9	66.0	59.6	58.7	57.8
82.5°	134.8	72.4	36.7	34.8	38.5	50.4	60.5	58.7	52.3	50.4	48.6
85°	54.1	34.8	26.6	26.6	30.3	42.2	54.1	50.4	42.2	37.6	37.6
87.5°	18.3	14.7	13.8	13.8	19.3	28.4	40.3	33.9	30.3	26.6	27.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)