

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: P671091

Luminaire Tested: **CCP-SA-1A-735-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671091
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4W
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2722.1 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

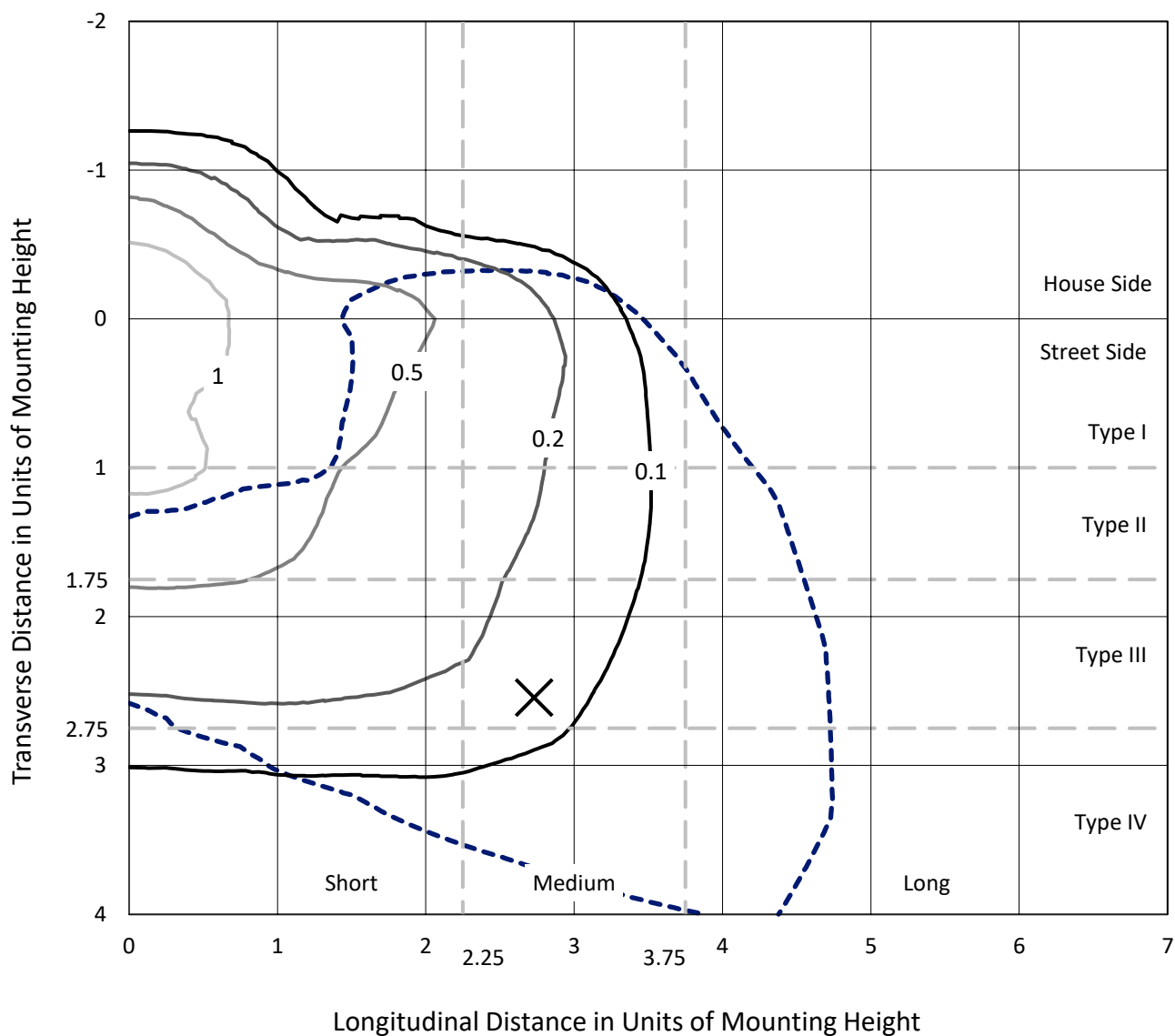
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

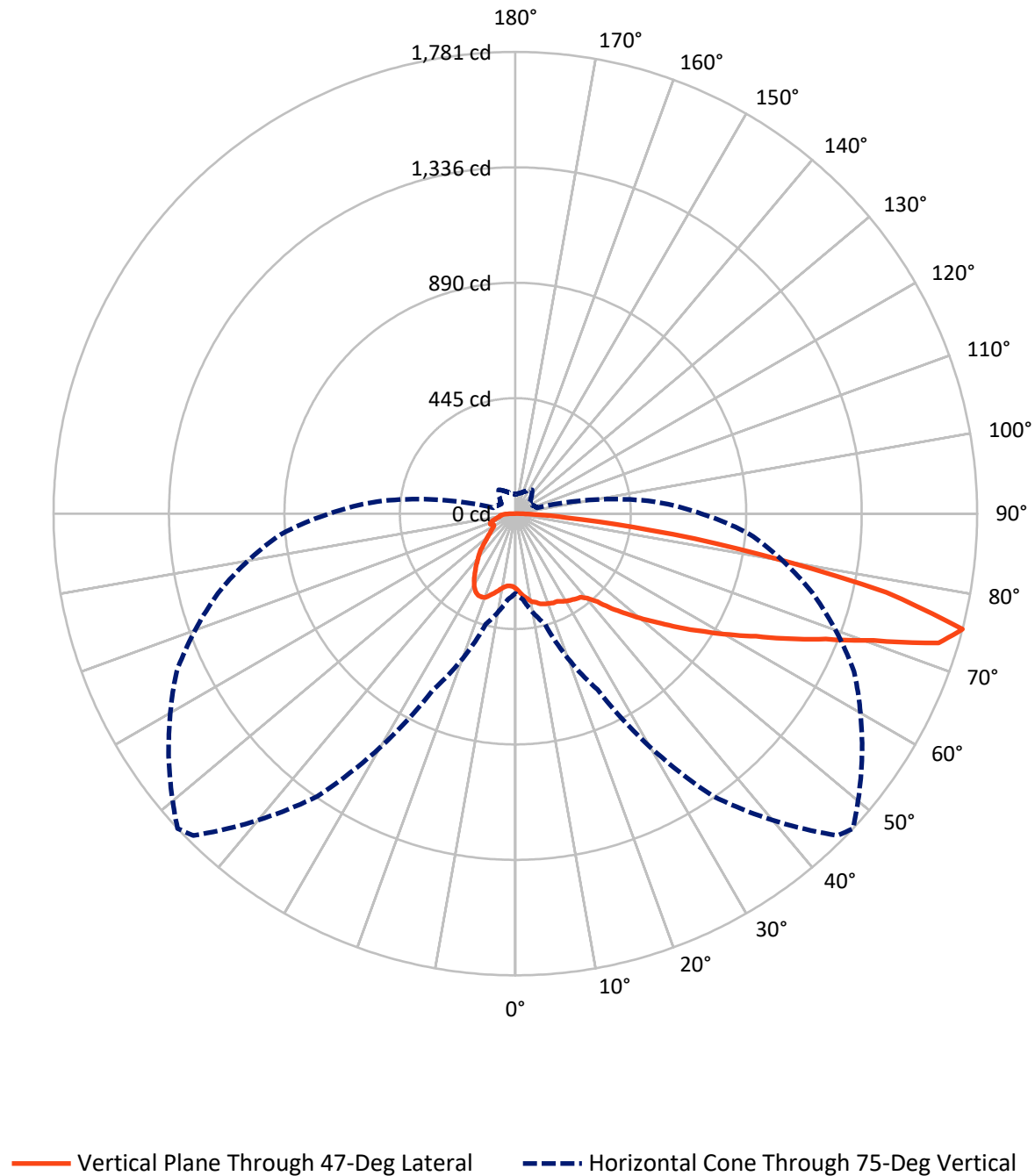
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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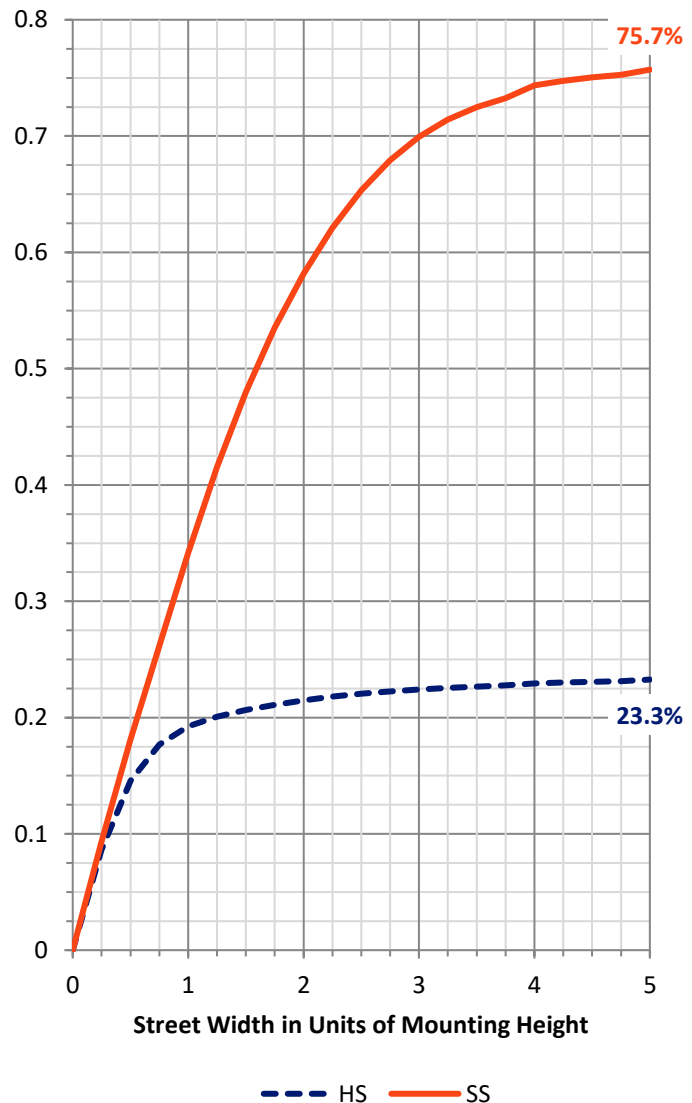
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.0	0.0	651.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2071.1	0.0	2071.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	2722.1	0.0	2722.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	1.1
10°-20°	97.0	3.6
20°-30°	166.2	6.1
30°-40°	232.5	8.5
40°-50°	324.2	11.9
50°-60°	484.6	17.8
60°-70°	698.7	25.7
70°-80°	594.8	21.8
80°-90°	94.8	3.5
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°	2722.1	100.0
0°-180°	2722.1	100.0



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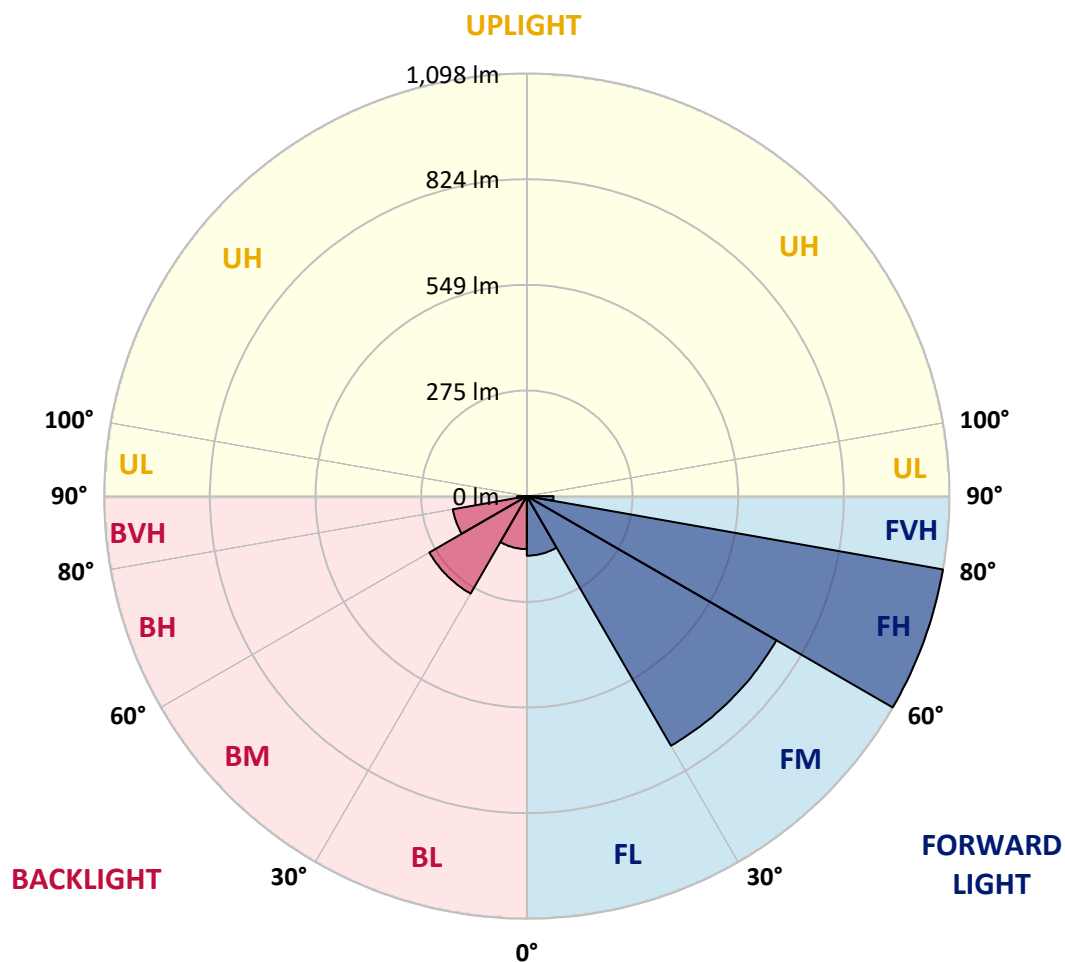
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.7	5.7			
FM	(30°-60°)	748.8	27.5			
FH	(60°-80°)	1098.2	40.3			G1/1800
FVH	(80°-90°)	69.4	2.6			G1/100
BL	(0°-30°)	137.8	5.1	B1/500		
BM	(30°-60°)	292.6	10.7	B1/1000		
BH	(60°-80°)	195.3	7.2	B1/500		G1/500
BVH	(80°-90°)	25.3	0.9			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0
2.5°	309.9	310.9	310.9	308.9	306.9	302.9	302.9	299.0	297.0	292.0	290.0
5°	338.7	335.7	332.7	331.7	326.8	319.8	318.8	314.9	303.9	299.0	292.0
7.5°	359.6	358.6	357.6	353.6	344.7	333.7	330.8	324.8	313.9	303.9	296.0
10°	376.4	380.4	376.4	367.5	358.6	346.6	345.6	334.7	324.8	312.9	302.9
12.5°	395.3	396.3	389.4	378.4	364.5	354.6	350.6	346.6	335.7	325.8	310.9
15°	408.2	406.2	401.3	386.4	370.5	360.5	361.5	356.6	344.7	337.7	321.8
17.5°	408.2	408.2	400.3	389.4	375.4	366.5	366.5	363.5	355.6	345.6	334.7
20°	400.3	400.3	395.3	389.4	373.5	371.5	369.5	367.5	367.5	358.6	342.7
22.5°	390.3	388.4	390.3	380.4	369.5	371.5	374.5	373.5	370.5	362.5	351.6
25°	380.4	381.4	383.4	376.4	366.5	375.4	374.5	379.4	377.4	371.5	362.5
27.5°	379.4	381.4	382.4	375.4	371.5	379.4	383.4	388.4	389.4	383.4	372.5
30°	394.3	393.3	392.3	383.4	380.4	387.4	391.3	398.3	404.3	391.3	382.4
32.5°	433.1	427.1	421.1	397.3	388.4	393.3	397.3	407.2	408.2	401.3	388.4
35°	494.6	490.7	470.8	429.1	404.3	399.3	403.3	410.2	412.2	407.2	397.3
37.5°	565.2	563.2	535.4	484.7	437.0	413.2	409.2	419.1	427.1	416.2	402.3
40°	634.7	626.7	606.9	557.2	478.7	434.0	429.1	434.0	437.0	429.1	420.1
42.5°	697.3	688.3	683.4	633.7	533.4	468.8	464.8	452.9	461.9	451.9	440.0
45°	749.9	747.9	745.9	703.2	595.9	525.4	522.4	491.7	501.6	493.6	476.8
47.5°	787.6	796.6	793.6	769.8	667.5	586.0	577.1	537.3	552.2	544.3	527.4
50°	832.3	837.3	834.3	818.4	734.0	655.5	638.7	597.9	614.8	613.8	604.9
52.5°	872.1	887.0	870.1	869.1	829.4	731.0	702.2	663.5	691.3	702.2	701.2
55°	918.8	930.7	925.7	923.7	914.8	804.5	778.7	732.0	778.7	794.6	808.5
57.5°	958.5	957.5	976.4	999.2	1010.1	889.0	858.2	803.5	874.1	891.9	930.7
60°	976.4	993.2	1025.0	1082.6	1113.4	979.3	947.6	903.9	970.4	984.3	1055.8
62.5°	988.3	1003.2	1064.8	1162.1	1180.0	1071.7	1041.9	998.2	1075.7	1085.6	1191.9
65°	955.5	969.4	1091.6	1191.9	1255.5	1171.0	1164.1	1118.4	1181.0	1186.9	1334.9
67.5°	917.8	932.7	1068.7	1229.6	1355.8	1303.1	1292.2	1237.6	1285.3	1278.3	1444.2
70°	851.2	871.1	1010.1	1262.4	1467.0	1487.9	1466.0	1388.6	1393.5	1328.0	1449.1
72.5°	648.6	661.5	790.6	1132.3	1518.7	1744.1	1706.4	1551.4	1494.8	1337.9	1279.3
75°	307.9	331.7	441.0	748.9	1330.9	1756.1	1780.9	1631.9	1441.2	1186.9	906.8
77.5°	89.4	89.4	134.1	317.8	834.3	1415.4	1462.1	1385.6	1188.9	879.0	476.8
80°	48.7	51.6	70.5	112.2	366.5	892.9	960.5	918.8	700.2	347.6	123.2
82.5°	27.8	28.8	46.7	67.5	166.9	485.7	525.4	476.8	266.2	105.3	57.6
85°	15.9	16.9	26.8	44.7	99.3	178.8	194.7	168.9	107.3	70.5	28.8
87.5°	7.9	7.9	12.9	20.9	50.7	50.7	49.7	60.6	64.6	42.7	12.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0
2.5°	289.0	288.0	288.0	284.1	283.1	280.1	280.1	278.1	277.1	280.1	280.1
5°	290.0	285.1	284.1	280.1	281.1	279.1	283.1	281.1	280.1	280.1	279.1
7.5°	292.0	287.0	283.1	280.1	279.1	282.1	287.0	287.0	293.0	290.0	290.0
10°	297.0	294.0	289.0	287.0	287.0	290.0	296.0	300.0	304.9	304.9	301.9
12.5°	308.9	303.9	298.0	295.0	299.0	301.9	307.9	311.9	317.8	319.8	317.8
15°	317.8	312.9	310.9	308.9	311.9	315.9	320.8	324.8	331.7	333.7	332.7
17.5°	329.8	323.8	322.8	323.8	325.8	328.8	331.7	334.7	339.7	339.7	339.7
20°	335.7	333.7	332.7	335.7	339.7	343.7	341.7	339.7	338.7	340.7	339.7
22.5°	346.6	344.7	345.6	348.6	348.6	346.6	343.7	336.7	334.7	336.7	334.7
25°	356.6	354.6	354.6	352.6	351.6	344.7	338.7	332.7	325.8	328.8	327.8
27.5°	366.5	365.5	365.5	357.6	347.6	335.7	327.8	320.8	316.8	321.8	318.8
30°	378.4	379.4	374.5	355.6	331.7	318.8	309.9	308.9	307.9	310.9	309.9
32.5°	389.4	390.3	382.4	352.6	319.8	295.0	286.1	287.0	292.0	297.0	301.9
35°	395.3	400.3	390.3	342.7	296.0	268.2	258.2	267.2	276.1	283.1	288.0
37.5°	406.2	419.1	402.3	331.7	275.1	244.3	237.4	240.4	251.3	262.2	267.2
40°	422.1	437.0	405.2	310.9	247.3	220.5	216.5	217.5	221.5	228.4	233.4
42.5°	449.9	465.8	408.2	284.1	219.5	205.6	194.7	191.7	188.7	188.7	187.7
45°	490.7	505.6	404.3	250.3	191.7	181.8	173.8	166.9	158.9	146.0	148.0
47.5°	550.3	562.2	407.2	220.5	165.9	157.9	152.0	144.0	132.1	118.2	117.2
50°	640.6	622.8	403.3	189.7	147.0	140.0	135.1	124.2	110.3	100.3	99.3
52.5°	745.9	710.2	399.3	163.9	131.1	125.1	121.2	109.3	96.3	91.4	90.4
55°	873.1	821.4	405.2	141.0	119.2	114.2	110.3	99.3	89.4	85.4	84.4
57.5°	1023.0	941.6	438.0	123.2	106.3	104.3	103.3	94.4	85.4	82.4	81.4
60°	1164.1	1056.8	459.9	110.3	94.4	96.3	98.3	94.4	84.4	82.4	82.4
62.5°	1282.3	1152.2	425.1	99.3	88.4	94.4	103.3	100.3	96.3	98.3	96.3
65°	1386.6	1184.9	317.8	93.4	85.4	99.3	114.2	113.2	104.3	106.3	105.3
67.5°	1404.4	1145.2	207.6	88.4	83.4	109.3	128.1	116.2	98.3	98.3	95.4
70°	1330.0	1038.9	139.1	83.4	82.4	109.3	131.1	109.3	92.4	92.4	88.4
72.5°	1091.6	830.4	107.3	78.5	75.5	97.3	124.2	103.3	86.4	84.4	77.5
75°	717.1	535.4	87.4	74.5	65.6	85.4	112.2	95.4	82.4	76.5	73.5
77.5°	351.6	240.4	73.5	65.6	56.6	74.5	102.3	90.4	77.5	71.5	69.5
80°	96.3	86.4	61.6	57.6	47.7	64.6	96.3	86.4	72.5	66.5	63.6
82.5°	54.6	53.6	49.7	46.7	39.7	64.6	97.3	86.4	68.5	67.5	57.6
85°	29.8	31.8	35.8	34.8	30.8	57.6	92.4	75.5	55.6	46.7	46.7
87.5°	11.9	14.9	17.9	19.9	20.9	42.7	69.5	57.6	42.7	35.8	35.8
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)