

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: P675244

Luminaire Tested: **CCW-SA-1A-730-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675244
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-730-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4W distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2513.2 lumens
Efficiency: N/A
Efficacy: 139.6 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

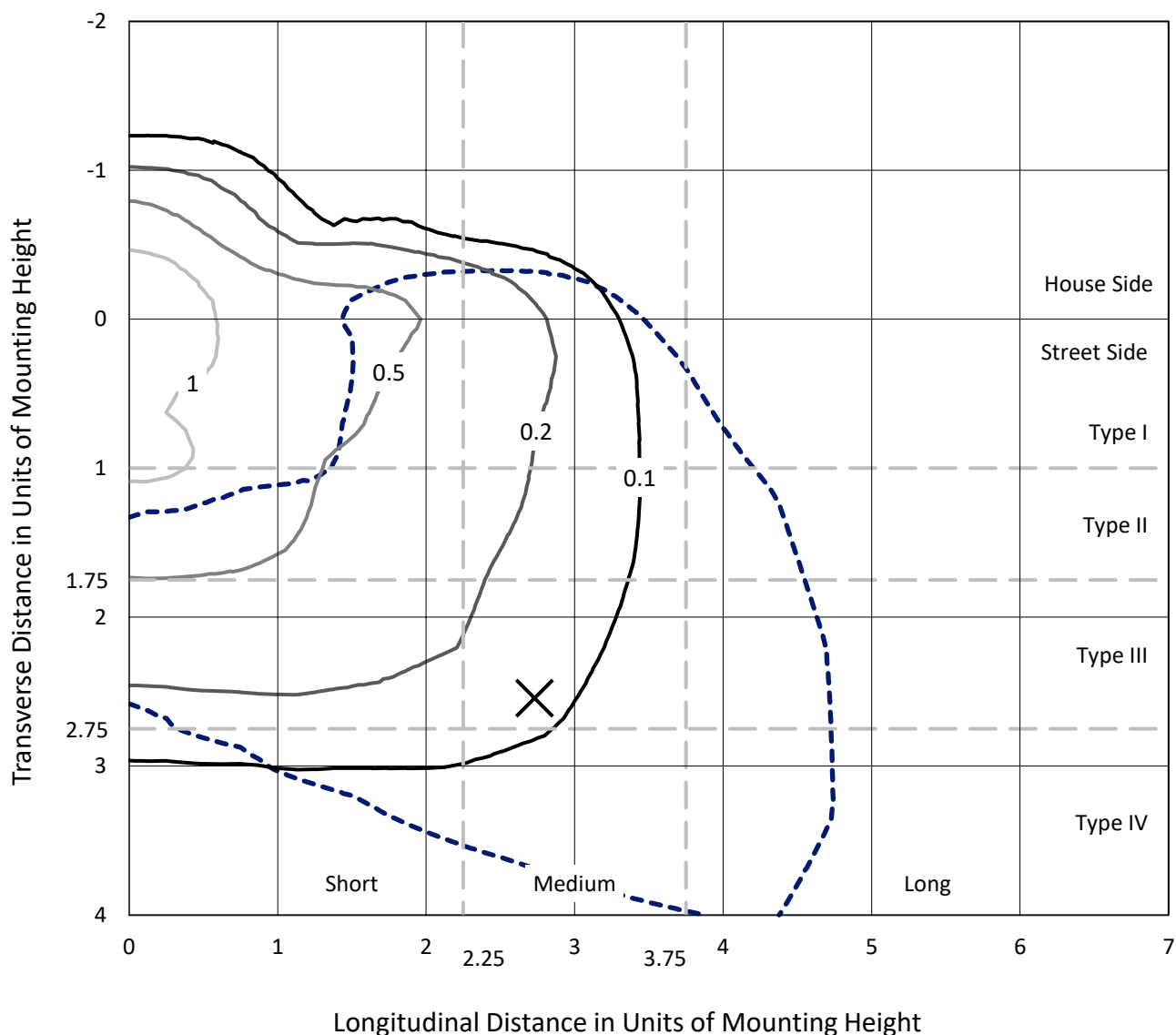
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

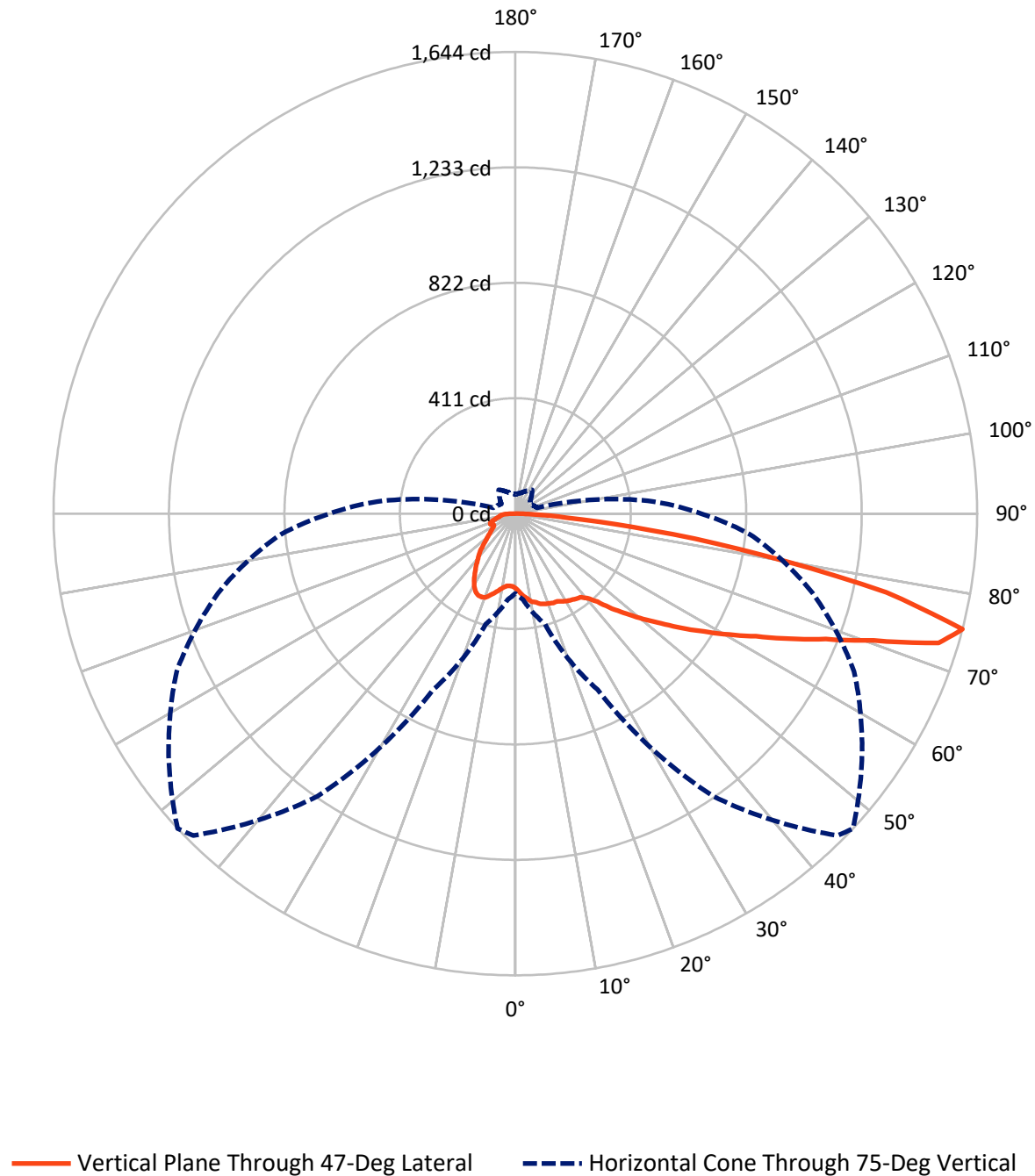


Based on 15 foot mounting height. Maximum calculated value = 1.5 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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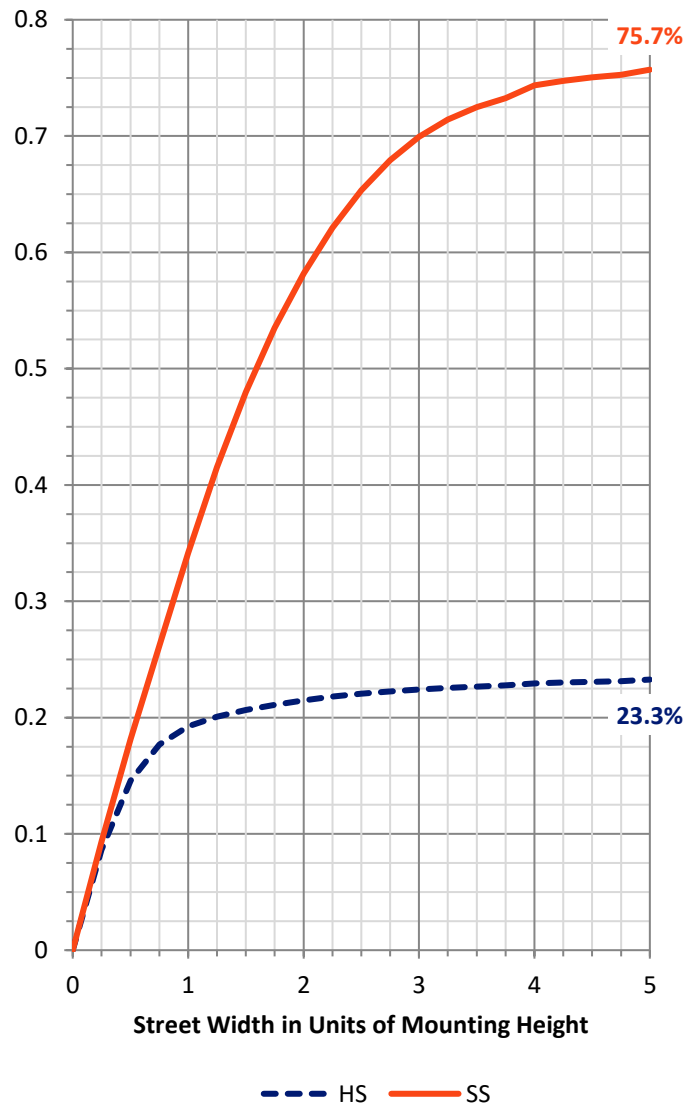
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.0	0.0	601.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	1912.2	0.0	1912.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	2513.2	0.0	2513.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	1.1
10°-20°	89.6	3.6
20°-30°	153.4	6.1
30°-40°	214.7	8.5
40°-50°	299.3	11.9
50°-60°	447.4	17.8
60°-70°	645.1	25.7
70°-80°	549.1	21.8
80°-90°	87.5	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°	2513.2	100.0
0°-180°	2513.2	100.0



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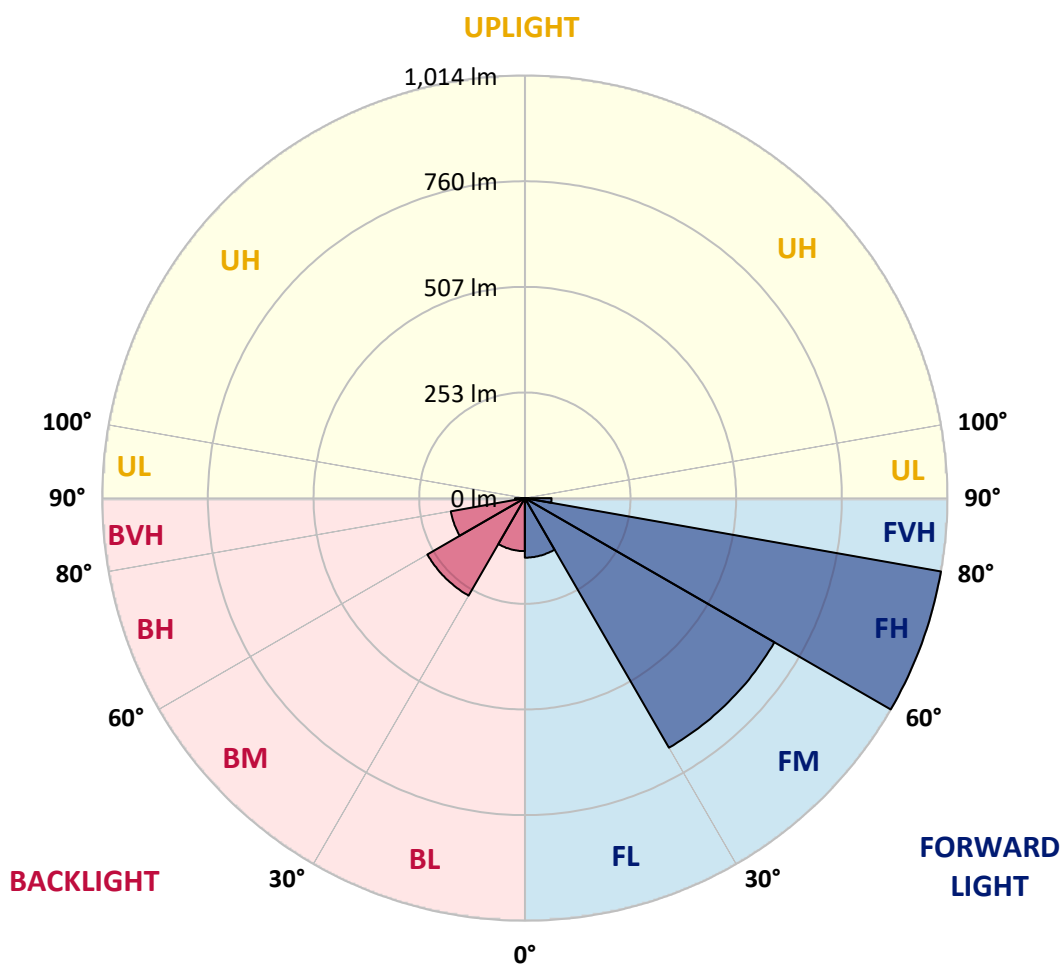
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.8	5.7			
FM	(30°-60°)	691.4	27.5			
FH	(60°-80°)	1013.9	40.3			G1/1800
FVH	(80°-90°)	64.1	2.6			G1/100
BL	(0°-30°)	127.2	5.1	B1/500		
BM	(30°-60°)	270.1	10.7	B1/1000		
BH	(60°-80°)	180.3	7.2	B1/500		G1/500
BVH	(80°-90°)	23.4	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°	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9
2.5°	286.1	287.0	287.0	285.2	283.4	279.7	279.7	276.0	274.2	269.6	267.8
5°	312.7	309.9	307.2	306.3	301.7	295.3	294.4	290.7	280.6	276.0	269.6
7.5°	332.0	331.0	330.1	326.5	318.2	308.1	305.4	299.9	289.8	280.6	273.3
10°	347.5	351.2	347.5	339.3	331.0	320.0	319.1	309.0	299.9	288.9	279.7
12.5°	365.0	365.9	359.5	349.4	336.5	327.4	323.7	320.0	309.9	300.8	287.0
15°	376.9	375.1	370.5	356.7	342.0	332.9	333.8	329.2	318.2	311.8	297.1
17.5°	376.9	376.9	369.6	359.5	346.6	338.4	338.4	335.6	328.3	319.1	309.0
20°	369.6	369.6	365.0	359.5	344.8	343.0	341.1	339.3	339.3	331.0	316.4
22.5°	360.4	358.6	360.4	351.2	341.1	343.0	345.7	344.8	342.0	334.7	324.6
25°	351.2	352.1	354.0	347.5	338.4	346.6	345.7	350.3	348.5	343.0	334.7
27.5°	350.3	352.1	353.0	346.6	343.0	350.3	354.0	358.6	359.5	354.0	343.9
30°	364.1	363.1	362.2	354.0	351.2	357.6	361.3	367.7	373.2	361.3	353.0
32.5°	399.8	394.3	388.8	366.8	358.6	363.1	366.8	376.0	376.9	370.5	358.6
35°	456.7	453.0	434.7	396.1	373.2	368.6	372.3	378.7	380.6	376.0	366.8
37.5°	521.8	519.9	494.3	447.5	403.5	381.5	377.8	387.0	394.3	384.2	371.4
40°	586.0	578.6	560.3	514.4	442.0	400.7	396.1	400.7	403.5	396.1	387.9
42.5°	643.7	635.5	630.9	585.1	492.4	432.8	429.2	418.2	426.4	417.2	406.2
45°	692.3	690.5	688.7	649.2	550.2	485.1	482.3	453.9	463.1	455.8	440.2
47.5°	727.2	735.4	732.7	710.7	616.2	541.0	532.8	496.1	509.9	502.5	486.9
50°	768.5	773.0	770.3	755.6	677.7	605.2	589.6	552.0	567.6	566.7	558.5
52.5°	805.1	818.9	803.3	802.4	765.7	674.9	648.3	612.6	638.2	648.3	647.4
55°	848.2	859.2	854.7	852.8	844.6	742.8	718.9	675.8	718.9	733.6	746.4
57.5°	884.9	884.0	901.4	922.5	932.6	820.7	792.3	741.9	807.0	823.5	859.2
60°	901.4	917.0	946.4	999.5	1028.0	904.2	874.8	834.5	895.9	908.8	974.8
62.5°	912.4	926.2	983.0	1072.9	1089.4	989.5	961.9	921.6	993.1	1002.3	1100.4
65°	882.2	895.0	1007.8	1100.4	1159.1	1081.2	1074.7	1032.6	1090.3	1095.8	1232.5
67.5°	847.3	861.1	986.7	1135.3	1251.7	1203.1	1193.0	1142.6	1186.6	1180.2	1333.3
70°	785.9	804.2	932.6	1165.5	1354.4	1373.7	1353.5	1282.0	1286.6	1226.0	1337.9
72.5°	598.8	610.7	729.9	1045.4	1402.1	1610.3	1575.4	1432.4	1380.1	1235.2	1181.1
75°	284.3	306.3	407.2	691.4	1228.8	1621.3	1644.2	1506.6	1330.6	1095.8	837.2
77.5°	82.5	82.5	123.8	293.4	770.3	1306.7	1349.8	1279.2	1097.7	811.6	440.2
80°	44.9	47.7	65.1	103.6	338.4	824.4	886.8	848.2	646.5	321.0	113.7
82.5°	25.7	26.6	43.1	62.4	154.1	448.4	485.1	440.2	245.8	97.2	53.2
85°	14.7	15.6	24.8	41.3	91.7	165.1	179.7	155.9	99.0	65.1	26.6
87.5°	7.3	7.3	11.9	19.3	46.8	46.8	45.9	55.9	59.6	39.4	11.9
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°	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9	266.9
2.5°	266.9	265.9	265.9	262.3	261.3	258.6	258.6	256.8	255.8	258.6	258.6
5°	267.8	263.2	262.3	258.6	259.5	257.7	261.3	259.5	258.6	258.6	257.7
7.5°	269.6	265.0	261.3	258.6	257.7	260.4	265.0	265.0	270.5	267.8	267.8
10°	274.2	271.4	266.9	265.0	265.0	267.8	273.3	276.9	281.5	281.5	278.8
12.5°	285.2	280.6	275.1	272.4	276.0	278.8	284.3	287.9	293.4	295.3	293.4
15°	293.4	288.9	287.0	285.2	287.9	291.6	296.2	299.9	306.3	308.1	307.2
17.5°	304.4	298.9	298.0	298.9	300.8	303.5	306.3	309.0	313.6	313.6	313.6
20°	309.9	308.1	307.2	309.9	313.6	317.3	315.5	313.6	312.7	314.5	313.6
22.5°	320.0	318.2	319.1	321.9	321.9	320.0	317.3	310.9	309.0	310.9	309.0
25°	329.2	327.4	327.4	325.5	324.6	318.2	312.7	307.2	300.8	303.5	302.6
27.5°	338.4	337.5	337.5	330.1	321.0	309.9	302.6	296.2	292.5	297.1	294.4
30°	349.4	350.3	345.7	328.3	306.3	294.4	286.1	285.2	284.3	287.0	286.1
32.5°	359.5	360.4	353.0	325.5	295.3	272.4	264.1	265.0	269.6	274.2	278.8
35°	365.0	369.6	360.4	316.4	273.3	247.6	238.4	246.7	254.9	261.3	265.9
37.5°	375.1	387.0	371.4	306.3	254.0	225.6	219.2	221.9	232.0	242.1	246.7
40°	389.7	403.5	374.1	287.0	228.3	203.6	199.9	200.8	204.5	210.9	215.5
42.5°	415.4	430.1	376.9	262.3	202.7	189.8	179.7	177.0	174.2	174.2	173.3
45°	453.0	466.8	373.2	231.1	177.0	167.8	160.5	154.1	146.7	134.8	136.6
47.5°	508.0	519.0	376.0	203.6	153.1	145.8	140.3	133.0	122.0	109.1	108.2
50°	591.5	575.0	372.3	175.1	135.7	129.3	124.7	114.6	101.8	92.6	91.7
52.5°	688.7	655.7	368.6	151.3	121.0	115.5	111.9	100.9	89.0	84.4	83.4
55°	806.1	758.4	374.1	130.2	110.0	105.5	101.8	91.7	82.5	78.9	77.9
57.5°	944.5	869.3	404.4	113.7	98.1	96.3	95.4	87.1	78.9	76.1	75.2
60°	1074.7	975.7	424.6	101.8	87.1	89.0	90.8	87.1	77.9	76.1	76.1
62.5°	1183.9	1063.7	392.5	91.7	81.6	87.1	95.4	92.6	89.0	90.8	89.0
65°	1280.1	1094.0	293.4	86.2	78.9	91.7	105.5	104.5	96.3	98.1	97.2
67.5°	1296.7	1057.3	191.7	81.6	77.0	100.9	118.3	107.3	90.8	90.8	88.0
70°	1227.9	959.2	128.4	77.0	76.1	100.9	121.0	100.9	85.3	85.3	81.6
72.5°	1007.8	766.6	99.0	72.4	69.7	89.9	114.6	95.4	79.8	77.9	71.5
75°	662.1	494.3	80.7	68.8	60.5	78.9	103.6	88.0	76.1	70.6	67.9
77.5°	324.6	221.9	67.9	60.5	52.3	68.8	94.5	83.4	71.5	66.0	64.2
80°	89.0	79.8	56.9	53.2	44.0	59.6	89.0	79.8	66.9	61.4	58.7
82.5°	50.4	49.5	45.9	43.1	36.7	59.6	89.9	79.8	63.3	62.4	53.2
85°	27.5	29.3	33.0	32.1	28.4	53.2	85.3	69.7	51.4	43.1	43.1
87.5°	11.0	13.8	16.5	18.3	19.3	39.4	64.2	53.2	39.4	33.0	33.0
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)