

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: P674823

Luminaire Tested: **CCW-SA-1A-735-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674823
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2691.6 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

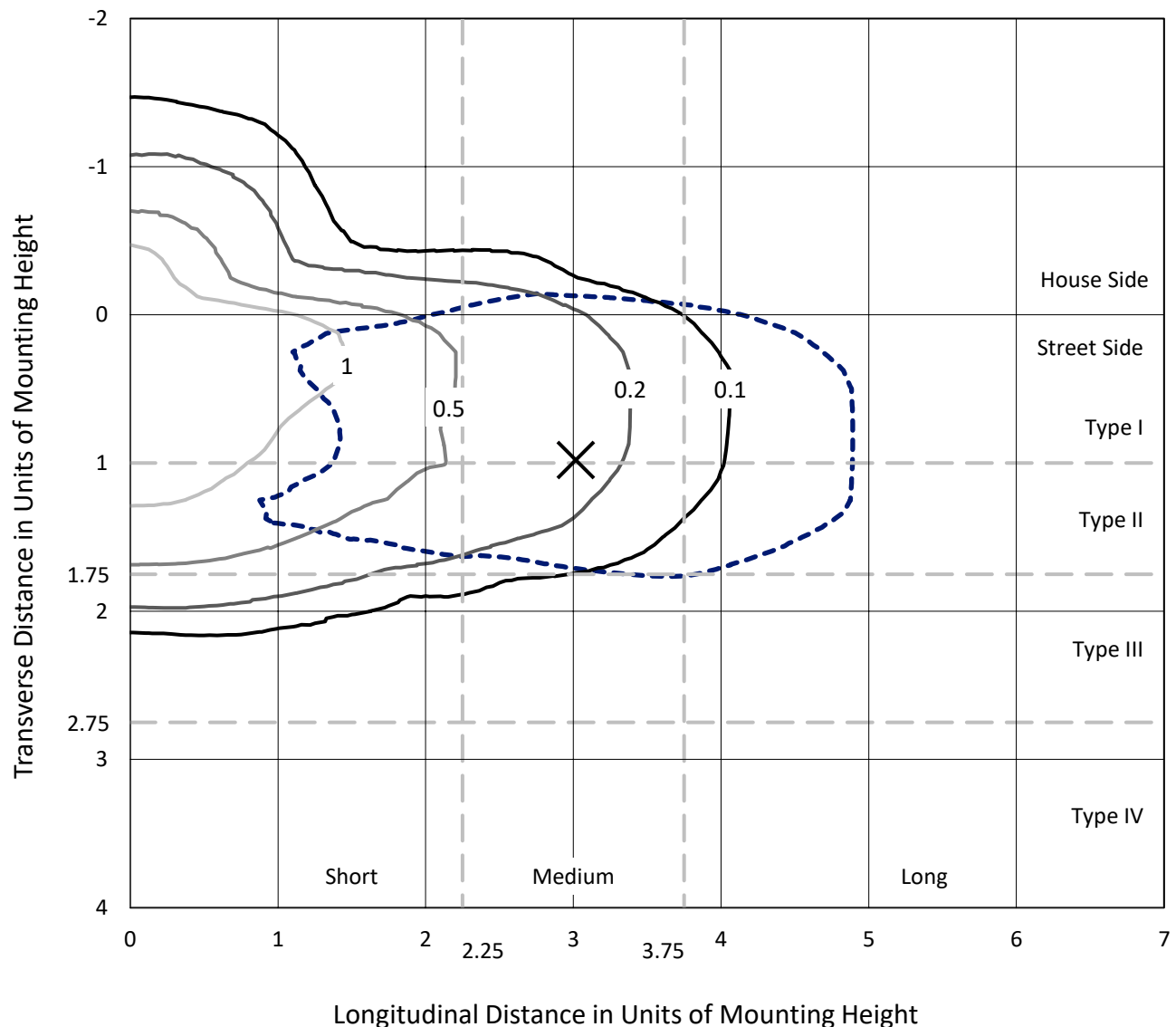
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

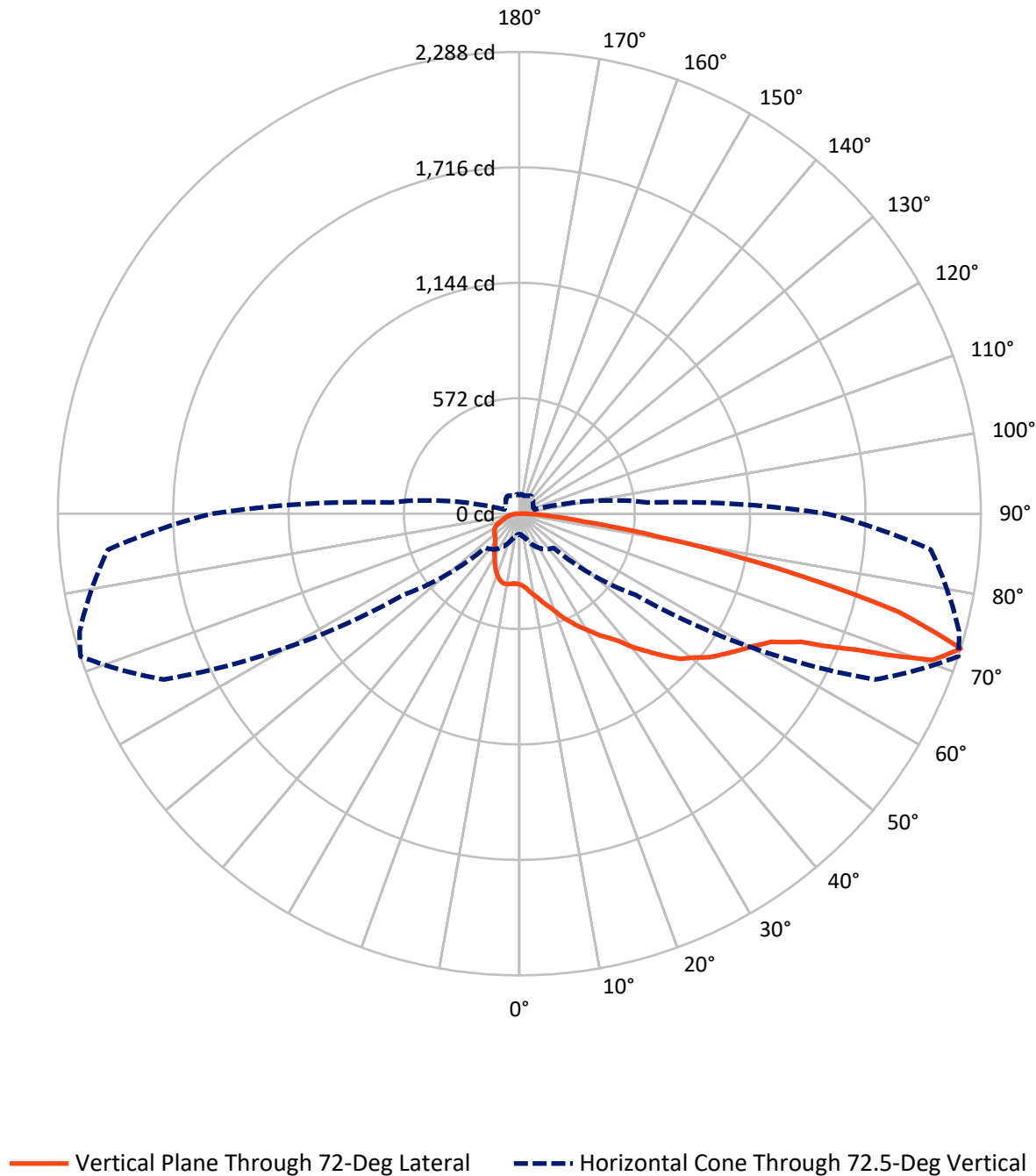
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 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	566.5	0.0	566.5
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2125.1	0.0	2125.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	2691.6	0.0	2691.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	1.3
10°-20°	108.0	4.0
20°-30°	186.9	6.9
30°-40°	276.1	10.3
40°-50°	410.6	15.3
50°-60°	562.8	20.9
60°-70°	610.5	22.7
70°-80°	430.4	16.0
80°-90°	71.5	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°	2691.6	100.0
0°-180°	2691.6	100.0

Coefficient of Utilization



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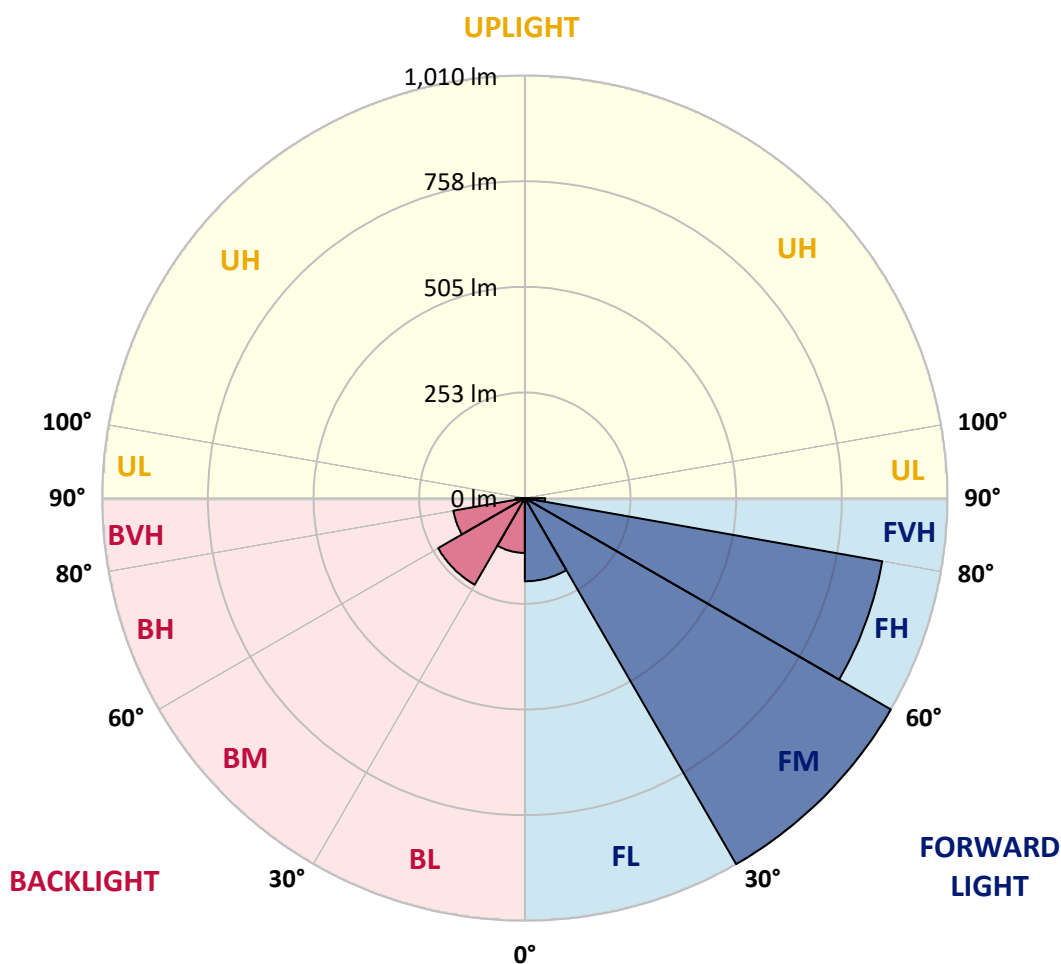
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.8	7.4			
FM	(30°-60°)	1010.2	37.5			
FH	(60°-80°)	867.4	32.2			G1/1800
FVH	(80°-90°)	48.8	1.8			G1/100
BL	(0°-30°)	130.9	4.9	B1/500		
BM	(30°-60°)	239.3	8.9	B1/1000		
BH	(60°-80°)	173.5	6.4	B1/500		G1/500
BVH	(80°-90°)	22.8	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°	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6
2.5°	379.4	379.4	376.4	375.4	375.4	367.5	368.5	363.5	359.5	359.5	355.6
5°	399.3	397.3	397.3	397.3	392.3	389.3	388.3	379.4	372.5	373.4	361.5
7.5°	404.2	405.2	406.2	411.2	408.2	410.2	408.2	398.3	393.3	388.3	377.4
10°	407.2	409.2	409.2	416.2	416.2	421.1	424.1	420.1	411.2	406.2	388.3
12.5°	414.2	411.2	415.2	420.1	425.1	434.0	443.0	439.0	433.0	427.1	407.2
15°	414.2	415.2	418.1	426.1	434.0	443.0	458.9	464.8	461.8	450.9	430.1
17.5°	402.3	399.3	413.2	428.1	443.0	453.9	474.8	488.7	486.7	482.7	450.9
20°	403.2	406.2	411.2	424.1	447.9	467.8	493.6	516.5	521.4	519.5	478.7
22.5°	421.1	422.1	427.1	433.0	451.9	477.7	516.5	553.2	562.2	557.2	509.5
25°	439.0	446.9	446.9	450.9	457.9	484.7	531.4	583.0	595.9	596.9	541.3
27.5°	467.8	469.8	475.7	477.7	483.7	499.6	548.3	604.9	634.7	630.7	570.1
30°	501.6	502.6	506.5	504.6	505.5	525.4	564.1	629.7	670.4	671.4	600.9
32.5°	541.3	549.2	551.2	538.3	540.3	545.3	589.0	659.5	715.1	708.2	627.7
35°	599.9	602.9	596.9	591.0	576.1	573.1	614.8	689.3	753.9	761.8	667.4
37.5°	672.4	680.4	672.4	640.6	624.7	612.8	646.6	722.1	800.5	827.3	707.2
40°	739.9	739.0	731.0	702.2	674.4	665.5	692.3	767.8	873.0	898.9	764.8
42.5°	794.6	791.6	786.6	764.8	739.0	724.1	744.9	815.4	933.6	983.3	831.3
45°	842.2	838.3	839.3	814.4	789.6	797.6	797.6	870.1	1005.1	1066.7	907.8
47.5°	886.9	888.9	885.9	867.1	848.2	869.1	858.1	932.6	1075.7	1144.2	972.4
50°	938.6	942.6	932.6	920.7	903.8	924.7	910.8	991.2	1121.3	1214.7	1049.8
52.5°	987.3	991.2	1000.2	985.3	968.4	985.3	953.5	1045.9	1181.9	1283.2	1109.4
55°	999.2	997.2	1046.8	1062.7	1071.7	1021.0	991.2	1092.5	1229.6	1326.9	1177.0
57.5°	944.5	949.5	1017.1	1062.7	1158.1	1114.4	1033.9	1147.2	1279.3	1384.5	1239.5
60°	808.5	811.5	895.9	1004.1	1143.2	1201.8	1149.1	1217.7	1333.9	1433.2	1310.1
62.5°	540.3	563.2	668.4	838.3	1037.9	1225.6	1332.9	1336.9	1400.4	1494.8	1406.4
65°	285.1	296.0	378.4	515.5	786.6	1143.2	1505.7	1573.3	1533.5	1608.0	1545.4
67.5°	186.7	190.7	235.4	312.9	453.9	834.3	1525.6	1983.5	1800.7	1823.5	1767.9
70°	139.1	141.0	173.8	231.4	281.1	446.0	1250.5	2175.1	2174.1	2113.6	2032.1
72.5°	102.3	105.3	128.1	176.8	216.5	240.4	703.2	1945.7	2288.4	2257.6	2048.0
75°	80.5	82.4	94.4	137.1	174.8	157.9	356.6	1441.2	1940.7	2088.7	1874.2
77.5°	65.6	67.5	74.5	99.3	140.0	122.2	170.8	929.6	1316.0	1503.7	1434.2
80°	54.6	54.6	59.6	70.5	108.3	92.4	101.3	522.4	709.2	782.7	650.6
82.5°	46.7	45.7	49.7	51.6	80.5	66.5	65.6	236.4	311.9	330.7	244.3
85°	29.8	30.8	46.7	44.7	52.6	45.7	36.7	112.2	147.0	150.0	91.4
87.5°	11.9	11.9	19.9	24.8	29.8	27.8	17.9	50.7	64.6	64.6	25.8
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°	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6	351.6
2.5°	354.6	350.6	347.6	345.6	340.7	335.7	336.7	335.7	331.7	329.7	329.7
5°	358.6	354.6	349.6	341.7	336.7	330.7	332.7	328.8	324.8	327.8	322.8
7.5°	368.5	361.5	354.6	342.7	334.7	325.8	321.8	319.8	316.8	314.8	314.8
10°	382.4	372.5	359.5	341.7	328.8	314.8	312.9	308.9	305.9	305.9	304.9
12.5°	396.3	385.4	363.5	334.7	312.9	302.9	301.9	302.9	304.9	305.9	306.9
15°	414.2	396.3	362.5	321.8	300.0	296.0	300.9	304.9	308.9	312.9	311.9
17.5°	431.1	410.2	353.6	305.9	289.0	290.0	299.0	306.9	314.8	318.8	319.8
20°	453.9	423.1	340.7	287.0	278.1	287.0	299.0	308.9	317.8	322.8	323.8
22.5°	479.7	438.0	323.8	270.2	269.2	278.1	290.0	304.9	314.8	323.8	322.8
25°	502.6	447.9	301.9	256.2	258.2	264.2	278.1	294.0	303.9	313.9	310.9
27.5°	517.5	449.9	279.1	246.3	246.3	252.3	265.2	275.1	284.1	292.0	293.0
30°	534.3	446.0	253.3	233.4	233.4	241.4	246.3	252.3	257.2	259.2	261.2
32.5°	554.2	437.0	237.4	223.5	223.5	229.4	232.4	230.4	229.4	224.5	227.4
35°	573.1	424.1	219.5	210.6	214.5	217.5	216.5	210.6	204.6	195.7	192.7
37.5°	595.9	411.2	203.6	196.7	203.6	204.6	204.6	197.6	189.7	178.8	178.8
40°	630.7	401.3	190.7	187.7	194.7	193.7	188.7	183.7	186.7	180.8	180.8
42.5°	667.4	397.3	178.8	179.8	182.8	183.7	178.8	172.8	184.7	177.8	178.8
45°	713.1	400.3	170.8	169.8	176.8	175.8	172.8	167.9	171.8	153.9	149.0
47.5°	755.8	406.2	166.9	162.9	170.8	172.8	168.8	157.9	152.0	141.0	139.1
50°	794.6	419.1	162.9	154.9	162.9	166.9	159.9	148.0	141.0	134.1	134.1
52.5°	831.3	438.0	160.9	146.0	153.0	157.9	153.9	142.0	134.1	131.1	128.1
55°	869.1	454.9	157.9	140.0	142.0	152.0	151.0	135.1	127.1	127.1	126.1
57.5°	922.7	477.7	153.9	130.1	134.1	145.0	145.0	132.1	123.2	124.2	125.1
60°	977.3	504.6	150.0	120.2	123.2	138.1	140.0	128.1	120.2	121.2	120.2
62.5°	1064.7	554.2	142.0	108.3	114.2	129.1	134.1	123.2	116.2	118.2	118.2
65°	1196.8	639.6	125.1	98.3	105.3	121.2	128.1	118.2	110.2	116.2	114.2
67.5°	1409.4	756.8	105.3	90.4	99.3	113.2	121.2	112.2	105.3	114.2	111.2
70°	1600.1	814.4	90.4	83.4	90.4	104.3	113.2	106.3	99.3	108.3	104.3
72.5°	1522.6	638.6	78.5	75.5	82.4	94.4	105.3	98.3	91.4	96.3	92.4
75°	1314.0	508.5	68.5	67.5	73.5	85.4	96.3	91.4	84.4	86.4	84.4
77.5°	996.2	420.1	58.6	57.6	62.6	76.5	86.4	82.4	75.5	74.5	74.5
80°	445.0	206.6	48.7	48.7	51.6	65.6	73.5	71.5	64.6	63.6	62.6
82.5°	146.0	78.5	39.7	37.7	41.7	54.6	65.6	63.6	56.6	54.6	52.6
85°	58.6	37.7	28.8	28.8	32.8	45.7	58.6	54.6	45.7	40.7	40.7
87.5°	19.9	15.9	14.9	14.9	20.9	30.8	43.7	36.7	32.8	28.8	29.8
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)