

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: P674917

Luminaire Tested: **CCW-SA-2A-850-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674917
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-850-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4762.6 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

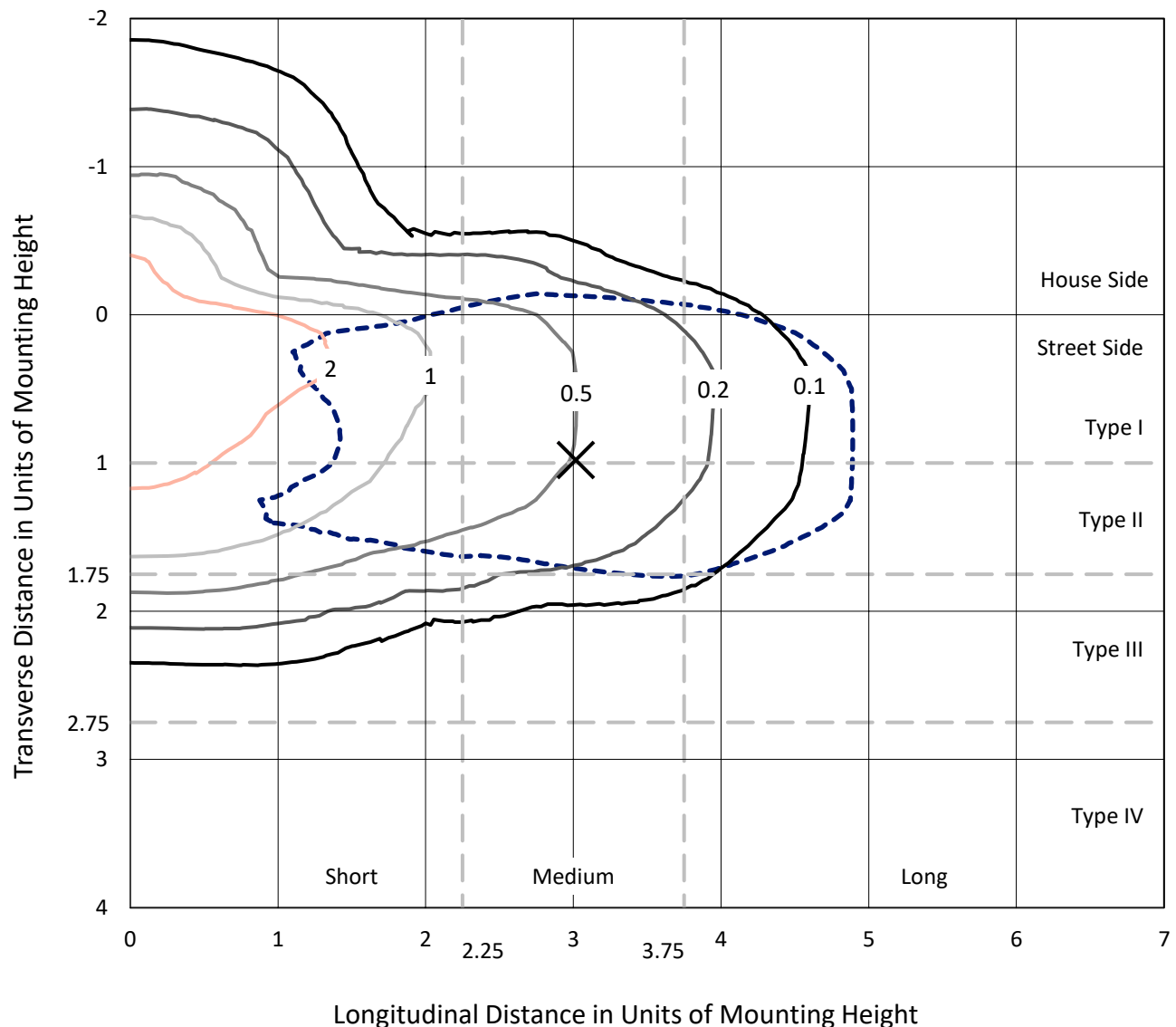
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P674917

CATALOG NUMBER: CCW-SA-2A-850-U-T2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

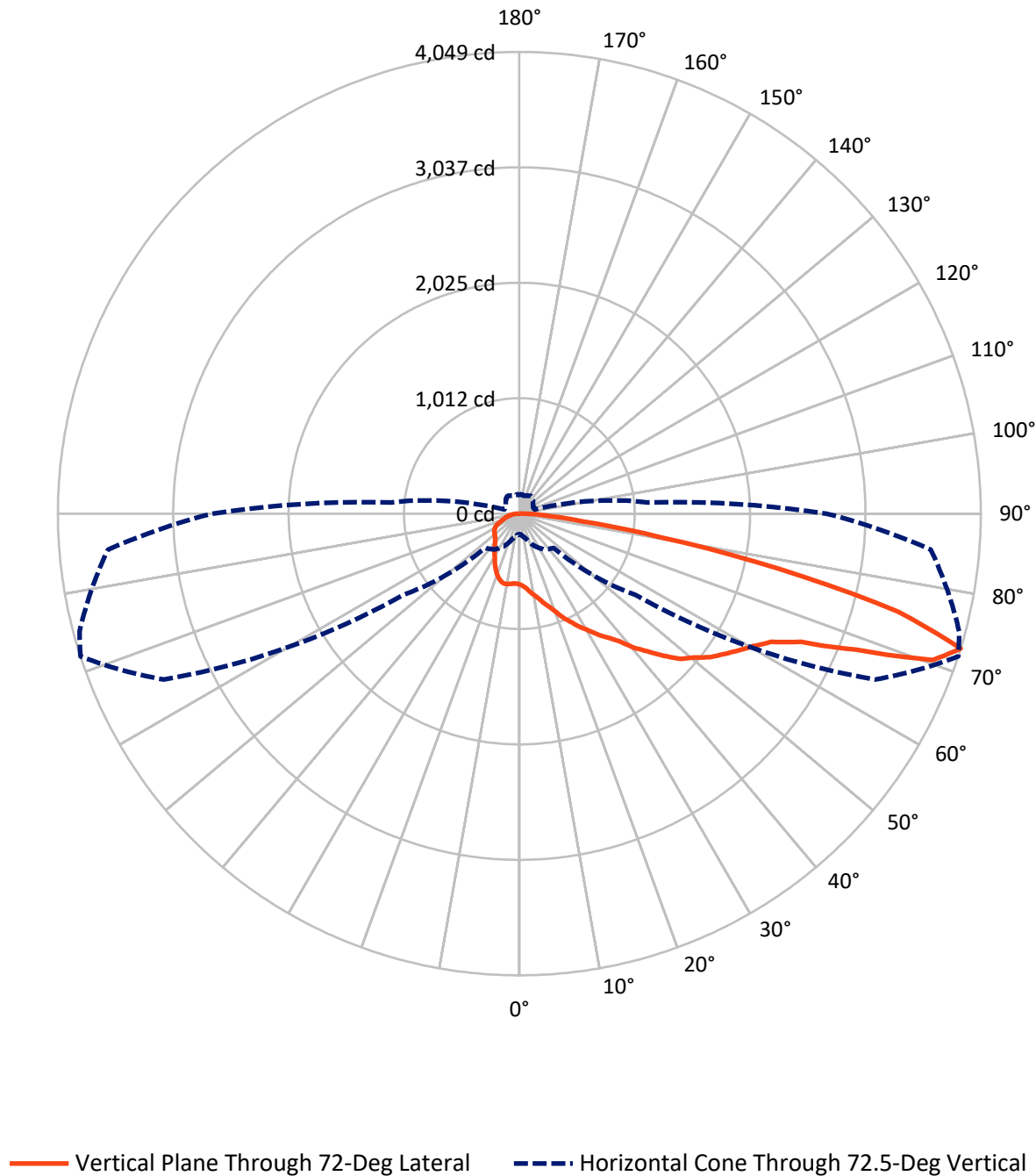


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P674917

CATALOG NUMBER: CCW-SA-2A-850-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P674917

CATALOG NUMBER: CCW-SA-2A-850-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1002.3	0.0	1002.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3760.3	0.0	3760.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	4762.6	0.0	4762.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.3
10°-20°	191.1	4.0
20°-30°	330.7	6.9
30°-40°	488.5	10.3
40°-50°	726.4	15.3
50°-60°	995.9	20.9
60°-70°	1080.3	22.7
70°-80°	761.6	16.0
80°-90°	126.5	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°	4762.6	100.0
0°-180°	4762.6	100.0

Coefficient of Utilization



REPORT NUMBER: P674917

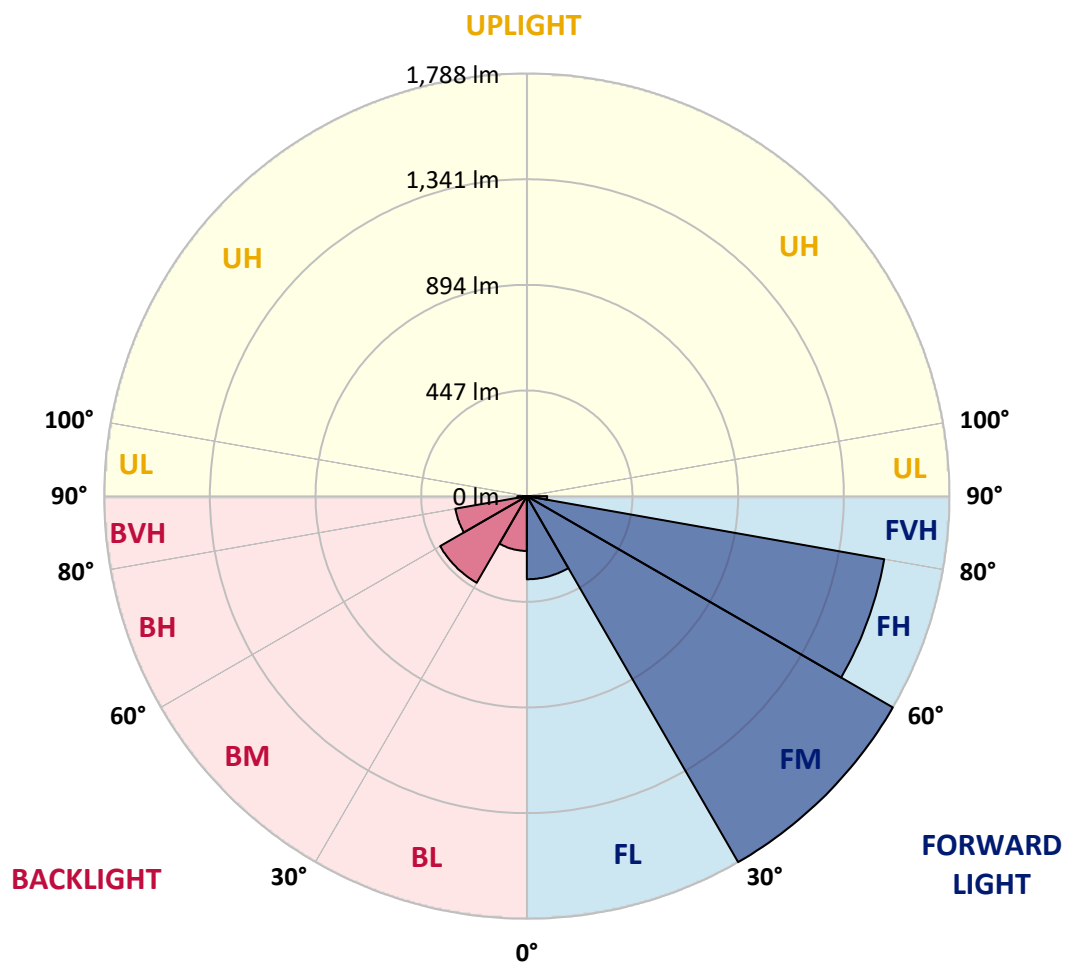
CATALOG NUMBER: CCW-SA-2A-850-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	351.7	7.4			
FM	(30°-60°)	1787.5	37.5			
FH	(60°-80°)	1534.8	32.2			G1/1800
FVH	(80°-90°)	86.3	1.8			G1/100
BL	(0°-30°)	231.7	4.9	B1/500		
BM	(30°-60°)	423.3	8.9	B1/1000		
BH	(60°-80°)	307.0	6.4	B1/500		G1/500
BVH	(80°-90°)	40.3	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



REPORT NUMBER: P674917

CATALOG NUMBER: CCW-SA-2A-850-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	671.3	671.3	666.1	664.3	664.3	650.3	652.0	643.2	636.2	636.2	629.2
5°	706.5	703.0	703.0	703.0	694.2	688.9	687.2	671.3	659.0	660.8	639.7
7.5°	715.3	717.0	718.8	727.6	722.3	725.8	722.3	704.7	695.9	687.2	667.8
10°	720.5	724.1	724.1	736.4	736.4	745.2	750.4	743.4	727.6	718.8	687.2
12.5°	732.9	727.6	734.6	743.4	752.2	768.0	783.8	776.8	766.2	755.7	720.5
15°	732.9	734.6	739.9	753.9	768.0	783.8	811.9	822.5	817.2	797.9	761.0
17.5°	711.8	706.5	731.1	757.5	783.8	803.1	840.1	864.7	861.1	854.1	797.9
20°	713.5	718.8	727.6	750.4	792.6	827.8	873.4	913.9	922.7	919.1	847.1
22.5°	745.2	746.9	755.7	766.2	799.6	845.3	913.9	978.9	994.7	985.9	901.6
25°	776.8	790.8	790.8	797.9	810.2	857.6	940.2	1031.6	1054.5	1056.2	957.8
27.5°	827.8	831.3	841.8	845.3	855.9	884.0	970.1	1070.3	1123.0	1116.0	1008.8
30°	887.5	889.3	896.3	892.8	894.5	929.7	998.2	1114.2	1186.3	1188.0	1063.2
32.5°	957.8	971.9	975.4	952.5	956.0	964.8	1042.2	1166.9	1265.4	1253.1	1110.7
35°	1061.5	1066.8	1056.2	1045.7	1019.3	1014.0	1087.9	1219.7	1333.9	1348.0	1181.0
37.5°	1189.8	1203.8	1189.8	1133.5	1105.4	1084.3	1144.1	1277.7	1416.5	1463.9	1251.3
40°	1309.3	1307.5	1293.5	1242.5	1193.3	1177.5	1224.9	1358.5	1544.8	1590.5	1353.2
42.5°	1405.9	1400.7	1391.9	1353.2	1307.5	1281.2	1318.1	1442.9	1652.0	1739.9	1471.0
45°	1490.3	1483.3	1485.0	1441.1	1397.2	1411.2	1411.2	1539.5	1778.5	1887.5	1606.3
47.5°	1569.4	1572.9	1567.6	1534.2	1500.9	1537.8	1518.4	1650.2	1903.3	2024.6	1720.5
50°	1660.8	1667.8	1650.2	1629.1	1599.3	1636.2	1611.6	1753.9	1984.1	2149.3	1857.6
52.5°	1746.9	1753.9	1769.7	1743.4	1713.5	1743.4	1687.1	1850.6	2091.3	2270.6	1963.1
55°	1768.0	1764.5	1852.3	1880.5	1896.3	1806.6	1753.9	1933.2	2175.7	2347.9	2082.6
57.5°	1671.3	1680.1	1799.6	1880.5	2049.2	1971.8	1829.5	2029.8	2263.6	2449.9	2193.3
60°	1430.6	1435.8	1585.2	1776.8	2022.8	2126.5	2033.4	2154.6	2360.2	2536.0	2318.1
62.5°	956.0	996.5	1182.8	1483.3	1836.5	2168.7	2358.5	2365.5	2478.0	2644.9	2488.5
65°	504.4	523.7	669.6	912.1	1391.9	2022.8	2664.3	2783.8	2713.5	2845.3	2734.6
67.5°	330.4	337.4	416.5	553.6	803.1	1476.2	2699.4	3509.6	3186.2	3226.7	3128.2
70°	246.0	249.6	307.6	409.5	497.4	789.1	2212.6	3848.8	3847.0	3739.8	3595.7
72.5°	181.0	186.3	226.7	312.8	383.1	425.3	1244.3	3442.8	4049.1	3994.7	3623.8
75°	142.4	145.9	167.0	242.5	309.3	279.4	630.9	2550.0	3434.0	3695.9	3316.3
77.5°	116.0	119.5	131.8	175.7	247.8	216.2	302.3	1645.0	2328.6	2660.8	2537.7
80°	96.7	96.7	105.4	124.8	191.6	163.4	179.3	924.4	1254.8	1384.9	1151.1
82.5°	82.6	80.8	87.9	91.4	142.4	117.7	116.0	418.3	551.8	585.2	432.3
85°	52.7	54.5	82.6	79.1	93.1	80.8	65.0	198.6	260.1	265.4	161.7
87.5°	21.1	21.1	35.1	43.9	52.7	49.2	31.6	89.6	114.2	114.2	45.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674917

CATALOG NUMBER: CCW-SA-2A-850-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	627.4	620.4	615.1	611.6	602.8	594.0	595.8	594.0	587.0	583.5	583.5
5°	634.4	627.4	618.6	604.6	595.8	585.2	588.7	581.7	574.7	580.0	571.2
7.5°	652.0	639.7	627.4	606.3	592.3	576.4	569.4	565.9	560.6	557.1	557.1
10°	676.6	659.0	636.2	604.6	581.7	557.1	553.6	546.6	541.3	541.3	539.5
12.5°	701.2	681.9	643.2	592.3	553.6	536.0	534.3	536.0	539.5	541.3	543.0
15°	732.9	701.2	641.5	569.4	530.7	523.7	532.5	539.5	546.6	553.6	551.8
17.5°	762.7	725.8	625.6	541.3	511.4	513.2	529.0	543.0	557.1	564.1	565.9
20°	803.1	748.7	602.8	507.9	492.1	507.9	529.0	546.6	562.4	571.2	572.9
22.5°	848.8	775.0	572.9	478.0	476.3	492.1	513.2	539.5	557.1	572.9	571.2
25°	889.3	792.6	534.3	453.4	456.9	467.5	492.1	520.2	537.8	555.3	550.1
27.5°	915.6	796.1	493.8	435.8	435.8	446.4	469.2	486.8	502.6	516.7	518.4
30°	945.5	789.1	448.1	413.0	413.0	427.1	435.8	446.4	455.2	458.7	462.2
32.5°	980.6	773.3	420.0	395.4	395.4	406.0	411.2	407.7	406.0	397.2	402.5
35°	1014.0	750.4	388.4	372.6	379.6	384.9	383.1	372.6	362.0	346.2	340.9
37.5°	1054.5	727.6	360.3	348.0	360.3	362.0	362.0	349.7	335.7	316.3	316.3
40°	1116.0	710.0	337.4	332.2	344.5	342.7	333.9	325.1	330.4	319.9	319.9
42.5°	1181.0	703.0	316.3	318.1	323.4	325.1	316.3	305.8	326.9	314.6	316.3
45°	1261.8	708.2	302.3	300.5	312.8	311.1	305.8	297.0	304.0	272.4	263.6
47.5°	1337.4	718.8	295.2	288.2	302.3	305.8	298.8	279.4	268.9	249.6	246.0
50°	1405.9	741.6	288.2	274.2	288.2	295.2	282.9	261.9	249.6	237.3	237.3
52.5°	1471.0	775.0	284.7	258.3	270.6	279.4	272.4	251.3	237.3	232.0	226.7
55°	1537.8	804.9	279.4	247.8	251.3	268.9	267.1	239.0	225.0	225.0	223.2
57.5°	1632.7	845.3	272.4	230.2	237.3	256.6	256.6	233.7	217.9	219.7	221.4
60°	1729.3	892.8	265.4	212.6	217.9	244.3	247.8	226.7	212.6	214.4	212.6
62.5°	1884.0	980.6	251.3	191.6	202.1	228.5	237.3	217.9	205.6	209.1	209.1
65°	2117.7	1131.8	221.4	174.0	186.3	214.4	226.7	209.1	195.1	205.6	202.1
67.5°	2493.8	1339.2	186.3	159.9	175.7	200.3	214.4	198.6	186.3	202.1	196.8
70°	2831.2	1441.1	159.9	147.6	159.9	184.5	200.3	188.0	175.7	191.6	184.5
72.5°	2694.1	1130.0	138.8	133.6	145.9	167.0	186.3	174.0	161.7	170.5	163.4
75°	2325.1	899.8	121.3	119.5	130.1	151.1	170.5	161.7	149.4	152.9	149.4
77.5°	1762.7	743.4	103.7	101.9	110.7	135.3	152.9	145.9	133.6	131.8	131.8
80°	787.3	365.5	86.1	86.1	91.4	116.0	130.1	126.5	114.2	112.5	110.7
82.5°	258.3	138.8	70.3	66.8	73.8	96.7	116.0	112.5	100.2	96.7	93.1
85°	103.7	66.8	51.0	51.0	58.0	80.8	103.7	96.7	80.8	72.1	72.1
87.5°	35.1	28.1	26.4	26.4	36.9	54.5	77.3	65.0	58.0	51.0	52.7
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)