

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: P674913

Luminaire Tested: **CCW-SA-1C-850-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674913
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-850-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3935.4 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

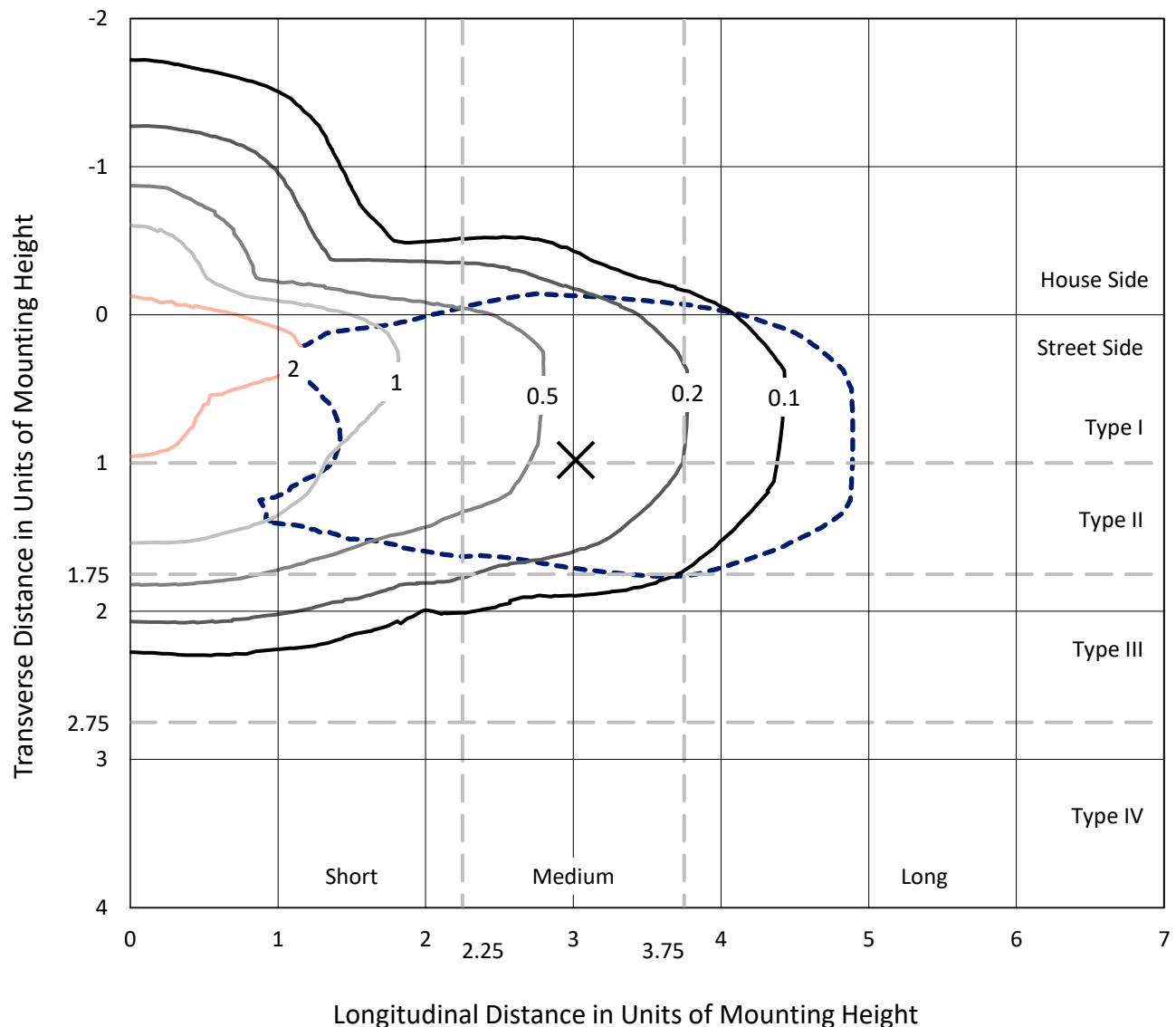
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P674913

CATALOG NUMBER: CCW-SA-1C-850-U-T2

Iso-Footcandle Lines of Horizontal Illumination

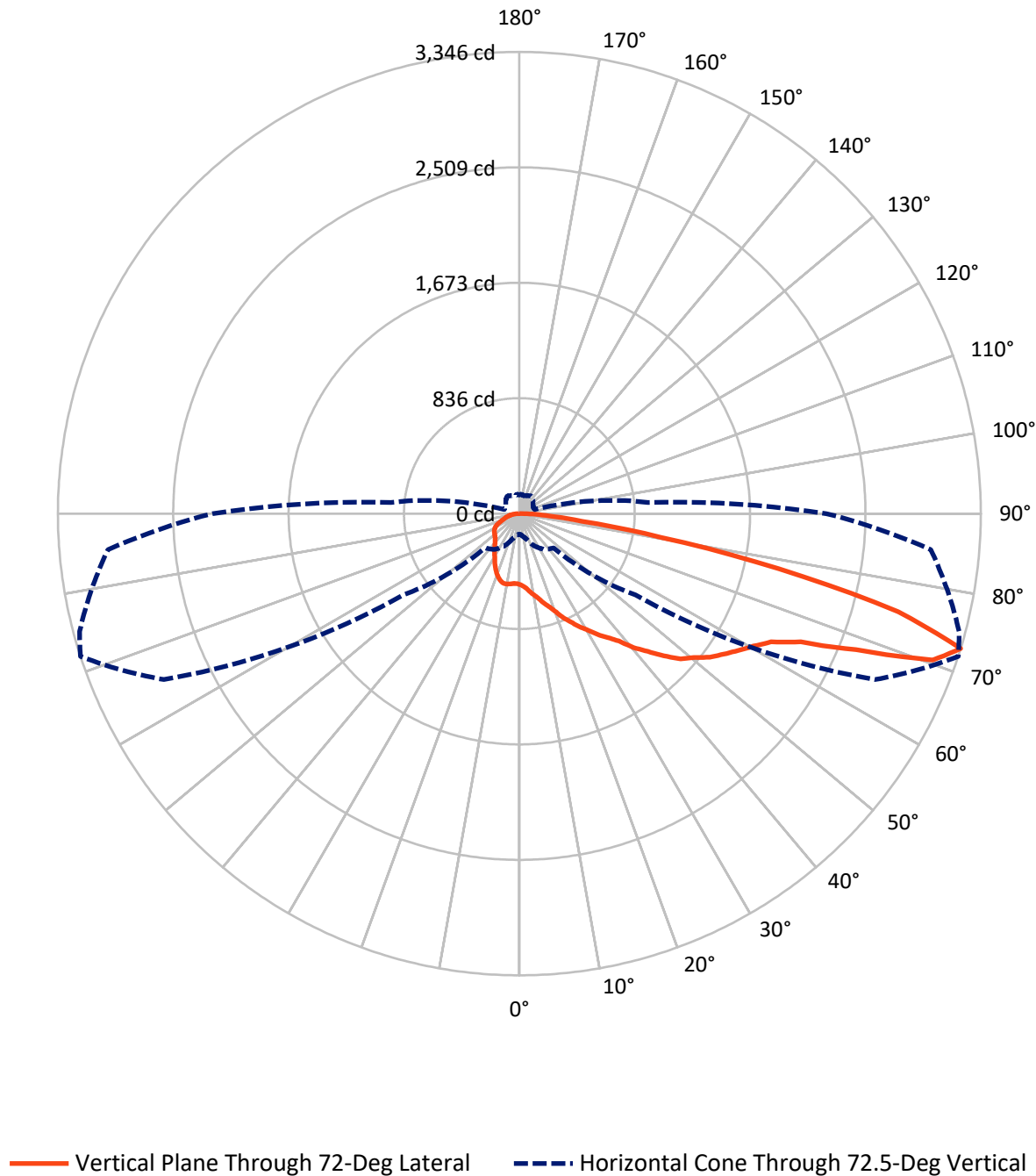
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type II - Medium - N/A

REPORT NUMBER: P674913
CATALOG NUMBER: CCW-SA-1C-850-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P674913

CATALOG NUMBER: CCW-SA-1C-850-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.2	0.0	828.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3107.2	0.0	3107.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	3935.4	0.0	3935.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.3
10°-20°	157.9	4.0
20°-30°	273.3	6.9
30°-40°	403.7	10.3
40°-50°	600.3	15.3
50°-60°	822.9	20.9
60°-70°	892.6	22.7
70°-80°	629.3	16.0
80°-90°	104.6	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°	3935.4	100.0
0°-180°	3935.4	100.0

Coefficient of Utilization



REPORT NUMBER: P674913

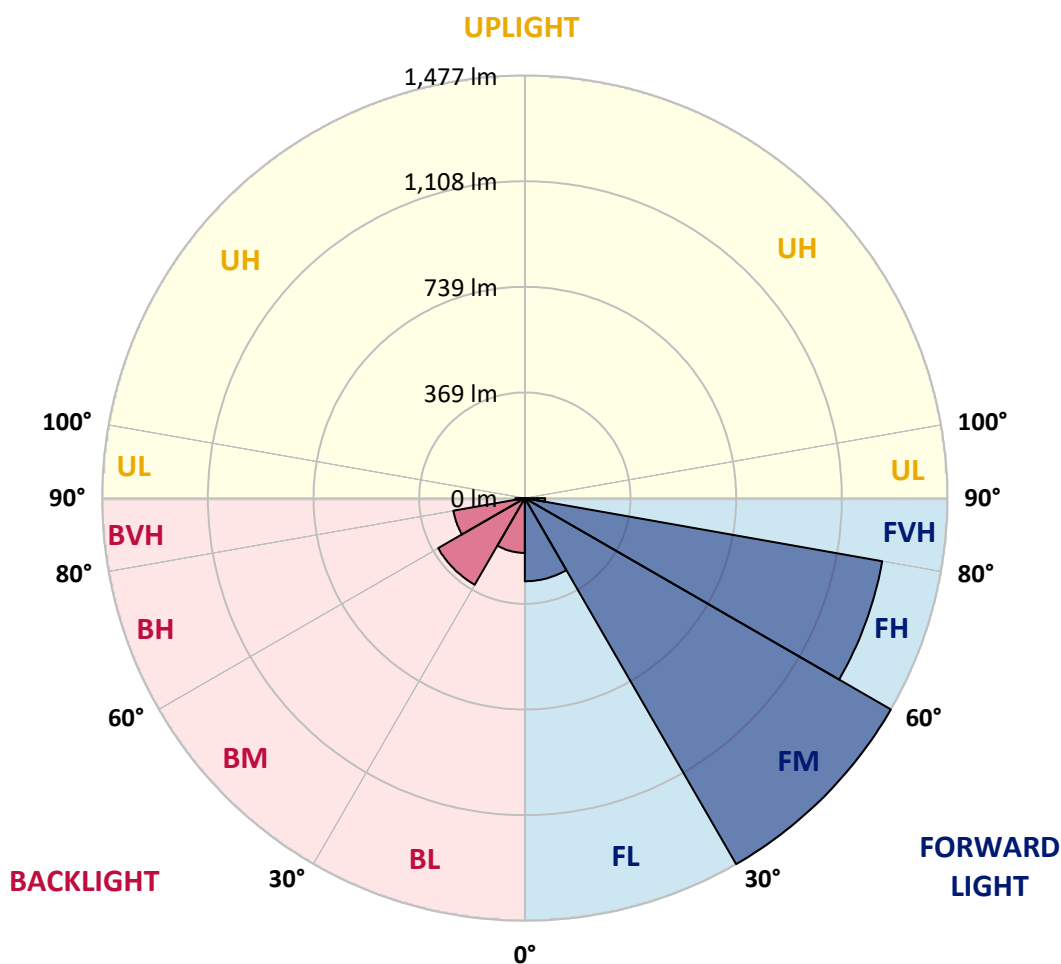
CATALOG NUMBER: CCW-SA-1C-850-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.6	7.4			
FM	(30°-60°)	1477.0	37.5			
FH	(60°-80°)	1268.3	32.2			G1/1800
FVH	(80°-90°)	71.3	1.8			G1/100
BL	(0°-30°)	191.4	4.9	B1/500		
BM	(30°-60°)	349.8	8.9	B1/1000		
BH	(60°-80°)	253.7	6.4	B1/500		G1/500
BVH	(80°-90°)	33.3	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: P674913

CATALOG NUMBER: CCW-SA-1C-850-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1
2.5°	554.7	554.7	550.4	548.9	548.9	537.3	538.8	531.5	525.7	525.7	519.9
5°	583.8	580.9	580.9	580.9	573.6	569.3	567.8	554.7	544.6	546.0	528.6
7.5°	591.0	592.5	593.9	601.2	596.8	599.8	596.8	582.3	575.1	567.8	551.8
10°	595.4	598.3	598.3	608.5	608.5	615.7	620.1	614.3	601.2	593.9	567.8
12.5°	605.6	601.2	607.0	614.3	621.5	634.6	647.7	641.9	633.2	624.4	595.4
15°	605.6	607.0	611.4	623.0	634.6	647.7	670.9	679.6	675.3	659.3	628.8
17.5°	588.1	583.8	604.1	625.9	647.7	663.6	694.1	714.5	711.6	705.8	659.3
20°	589.6	593.9	601.2	620.1	654.9	684.0	721.7	755.1	762.4	759.5	700.0
22.5°	615.7	617.2	624.4	633.2	660.7	698.5	755.1	808.9	821.9	814.7	745.0
25°	641.9	653.5	653.5	659.3	669.5	708.7	776.9	852.4	871.3	872.8	791.4
27.5°	684.0	686.9	695.6	698.5	707.2	730.4	801.6	884.4	927.9	922.1	833.6
30°	733.4	734.8	740.6	737.7	739.2	768.2	824.8	920.7	980.2	981.7	878.6
32.5°	791.4	803.1	806.0	787.1	790.0	797.3	861.1	964.3	1045.6	1035.4	917.8
35°	877.1	881.5	872.8	864.1	842.3	837.9	898.9	1007.8	1102.2	1113.8	975.9
37.5°	983.1	994.7	983.1	936.7	913.4	896.0	945.4	1055.7	1170.5	1209.7	1034.0
40°	1081.9	1080.4	1068.8	1026.7	986.0	973.0	1012.2	1122.5	1276.5	1314.2	1118.2
42.5°	1161.7	1157.4	1150.1	1118.2	1080.4	1058.6	1089.1	1192.2	1365.1	1437.7	1215.5
45°	1231.5	1225.6	1227.1	1190.8	1154.5	1166.1	1166.1	1272.1	1469.6	1559.6	1327.3
47.5°	1296.8	1299.7	1295.4	1267.8	1240.2	1270.7	1254.7	1363.6	1572.7	1672.9	1421.7
50°	1372.3	1378.1	1363.6	1346.2	1321.5	1352.0	1331.7	1449.3	1639.5	1776.0	1535.0
52.5°	1443.5	1449.3	1462.4	1440.6	1415.9	1440.6	1394.1	1529.2	1728.1	1876.2	1622.1
55°	1460.9	1458.0	1530.6	1553.8	1566.9	1492.8	1449.3	1597.4	1797.8	1940.1	1720.8
57.5°	1381.0	1388.3	1487.0	1553.8	1693.2	1629.4	1511.7	1677.3	1870.4	2024.3	1812.3
60°	1182.1	1186.4	1309.9	1468.2	1671.5	1757.1	1680.2	1780.4	1950.3	2095.5	1915.4
62.5°	790.0	823.4	977.3	1225.6	1517.5	1792.0	1948.8	1954.6	2047.6	2185.5	2056.3
65°	416.8	432.8	553.3	753.7	1150.1	1671.5	2201.5	2300.3	2242.2	2351.1	2259.6
67.5°	273.0	278.8	344.2	457.4	663.6	1219.8	2230.6	2900.0	2632.8	2666.2	2584.9
70°	203.3	206.2	254.1	338.4	411.0	652.0	1828.3	3180.3	3178.8	3090.3	2971.2
72.5°	149.6	153.9	187.3	258.5	316.6	351.4	1028.1	2844.8	3345.8	3300.8	2994.4
75°	117.6	120.5	138.0	200.4	255.6	230.9	521.3	2107.1	2837.6	3053.9	2740.3
77.5°	95.8	98.7	108.9	145.2	204.8	178.6	249.8	1359.2	1924.1	2198.6	2097.0
80°	79.9	79.9	87.1	103.1	158.3	135.1	148.1	763.9	1036.9	1144.3	951.2
82.5°	68.3	66.8	72.6	75.5	117.6	97.3	95.8	345.6	456.0	483.6	357.2
85°	43.6	45.0	68.3	65.3	77.0	66.8	53.7	164.1	214.9	219.3	133.6
87.5°	17.4	17.4	29.0	36.3	43.6	40.7	26.1	74.1	94.4	94.4	37.8
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: P674913

CATALOG NUMBER: CCW-SA-1C-850-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1	514.1
2.5°	518.4	512.6	508.3	505.4	498.1	490.8	492.3	490.8	485.0	482.1	482.1
5°	524.2	518.4	511.2	499.6	492.3	483.6	486.5	480.7	474.9	479.2	472.0
7.5°	538.8	528.6	518.4	501.0	489.4	476.3	470.5	467.6	463.2	460.3	460.3
10°	559.1	544.6	525.7	499.6	480.7	460.3	457.4	451.6	447.3	447.3	445.8
12.5°	579.4	563.4	531.5	489.4	457.4	442.9	441.5	442.9	445.8	447.3	448.7
15°	605.6	579.4	530.0	470.5	438.6	432.8	440.0	445.8	451.6	457.4	456.0
17.5°	630.2	599.8	517.0	447.3	422.6	424.0	437.1	448.7	460.3	466.2	467.6
20°	663.6	618.6	498.1	419.7	406.6	419.7	437.1	451.6	464.7	472.0	473.4
22.5°	701.4	640.4	473.4	395.0	393.5	406.6	424.0	445.8	460.3	473.4	472.0
25°	734.8	654.9	441.5	374.7	377.6	386.3	406.6	429.8	444.4	458.9	454.5
27.5°	756.6	657.8	408.1	360.1	360.1	368.9	387.7	402.3	415.3	426.9	428.4
30°	781.3	652.0	370.3	341.3	341.3	352.9	360.1	368.9	376.1	379.0	381.9
32.5°	810.3	639.0	347.1	326.7	326.7	335.5	339.8	336.9	335.5	328.2	332.6
35°	837.9	620.1	320.9	307.9	313.7	318.0	316.6	307.9	299.2	286.1	281.7
37.5°	871.3	601.2	297.7	287.5	297.7	299.2	299.2	289.0	277.4	261.4	261.4
40°	922.1	586.7	278.8	274.5	284.6	283.2	275.9	268.7	273.0	264.3	264.3
42.5°	975.9	580.9	261.4	262.8	267.2	268.7	261.4	252.7	270.1	259.9	261.4
45°	1042.7	585.2	249.8	248.3	258.5	257.0	252.7	245.4	251.2	225.1	217.8
47.5°	1105.1	593.9	244.0	238.2	249.8	252.7	246.9	230.9	222.2	206.2	203.3
50°	1161.7	612.8	238.2	226.5	238.2	244.0	233.8	216.4	206.2	196.0	196.0
52.5°	1215.5	640.4	235.3	213.5	223.6	230.9	225.1	207.7	196.0	191.7	187.3
55°	1270.7	665.1	230.9	204.8	207.7	222.2	220.7	197.5	185.9	185.9	184.4
57.5°	1349.1	698.5	225.1	190.2	196.0	212.0	212.0	193.1	180.1	181.5	183.0
60°	1429.0	737.7	219.3	175.7	180.1	201.9	204.8	187.3	175.7	177.2	175.7
62.5°	1556.7	810.3	207.7	158.3	167.0	188.8	196.0	180.1	169.9	172.8	172.8
65°	1749.9	935.2	183.0	143.8	153.9	177.2	187.3	172.8	161.2	169.9	167.0
67.5°	2060.7	1106.6	153.9	132.1	145.2	165.5	177.2	164.1	153.9	167.0	162.6
70°	2339.5	1190.8	132.1	122.0	132.1	152.5	165.5	155.4	145.2	158.3	152.5
72.5°	2226.2	933.8	114.7	110.4	120.5	138.0	153.9	143.8	133.6	140.9	135.1
75°	1921.2	743.5	100.2	98.7	107.5	124.9	140.9	133.6	123.4	126.3	123.4
77.5°	1456.5	614.3	85.7	84.2	91.5	111.8	126.3	120.5	110.4	108.9	108.9
80°	650.6	302.1	71.2	71.2	75.5	95.8	107.5	104.6	94.4	92.9	91.5
82.5°	213.5	114.7	58.1	55.2	61.0	79.9	95.8	92.9	82.8	79.9	77.0
85°	85.7	55.2	42.1	42.1	47.9	66.8	85.7	79.9	66.8	59.5	59.5
87.5°	29.0	23.2	21.8	21.8	30.5	45.0	63.9	53.7	47.9	42.1	43.6
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)