

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: P674915

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

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674915
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-850-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T2 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5951.1 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

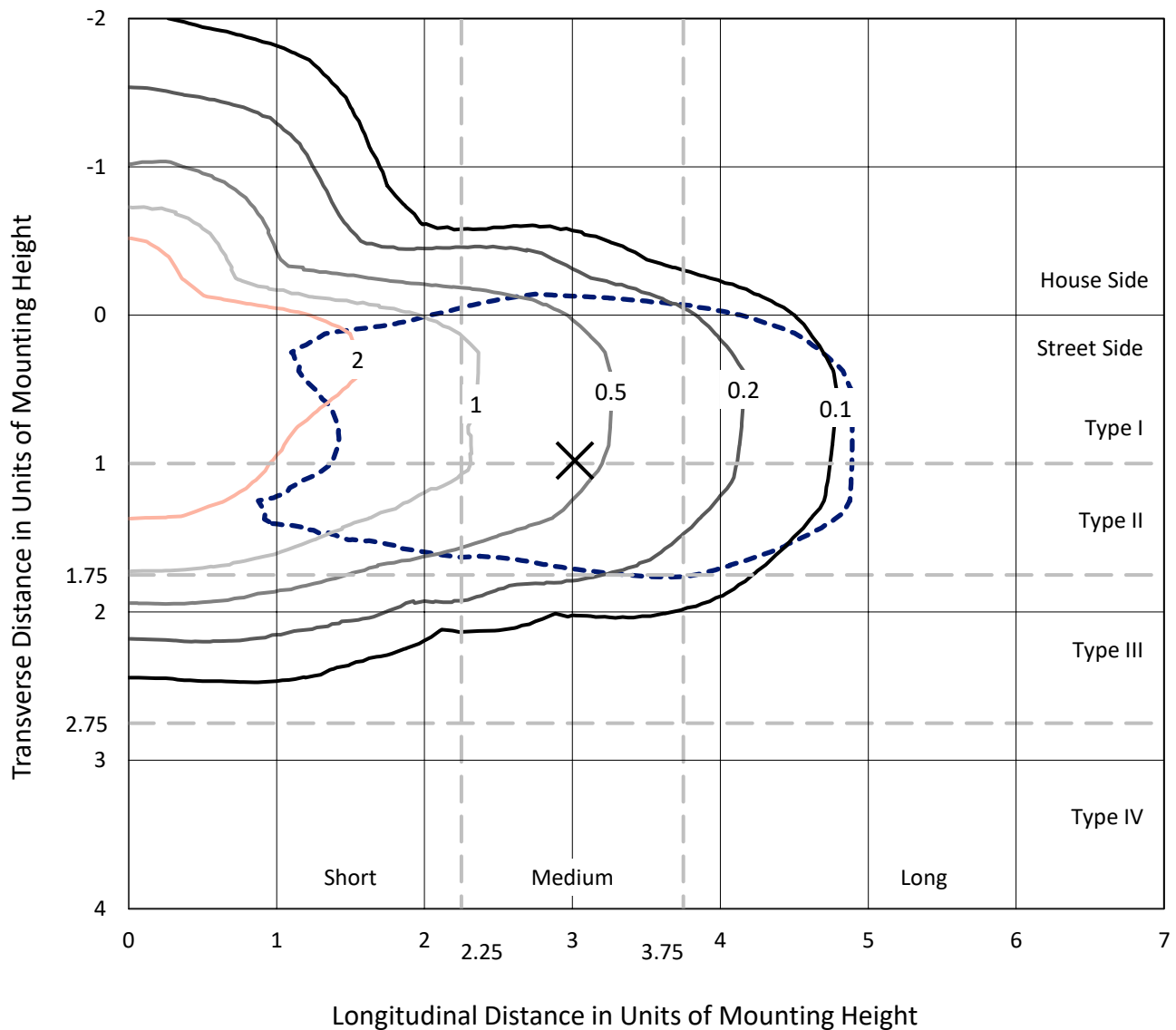
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P674915

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

Iso-Footcandle Lines of Horizontal Illumination

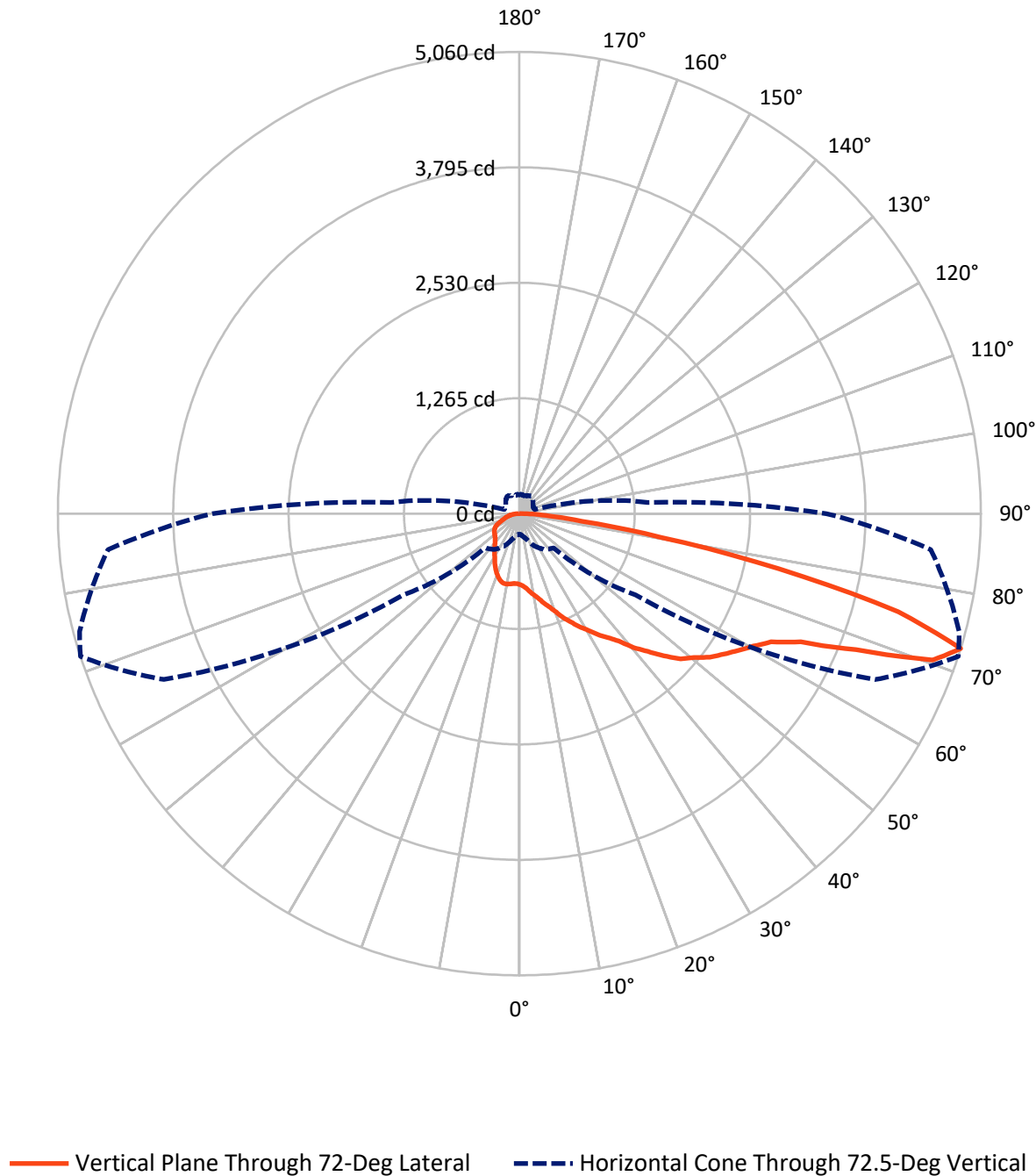
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
Type II - Medium - N/A

REPORT NUMBER: P674915
CATALOG NUMBER: CCW-SA-1E-850-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P674915

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.4	0.0	1252.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4698.7	0.0	4698.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	5951.1	0.0	5951.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	1.3
10°-20°	238.8	4.0
20°-30°	413.2	6.9
30°-40°	610.4	10.3
40°-50°	907.7	15.3
50°-60°	1244.4	20.9
60°-70°	1349.8	22.7
70°-80°	951.7	16.0
80°-90°	158.1	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°	5951.1	100.0
0°-180°	5951.1	100.0

Coefficient of Utilization



REPORT NUMBER: P674915

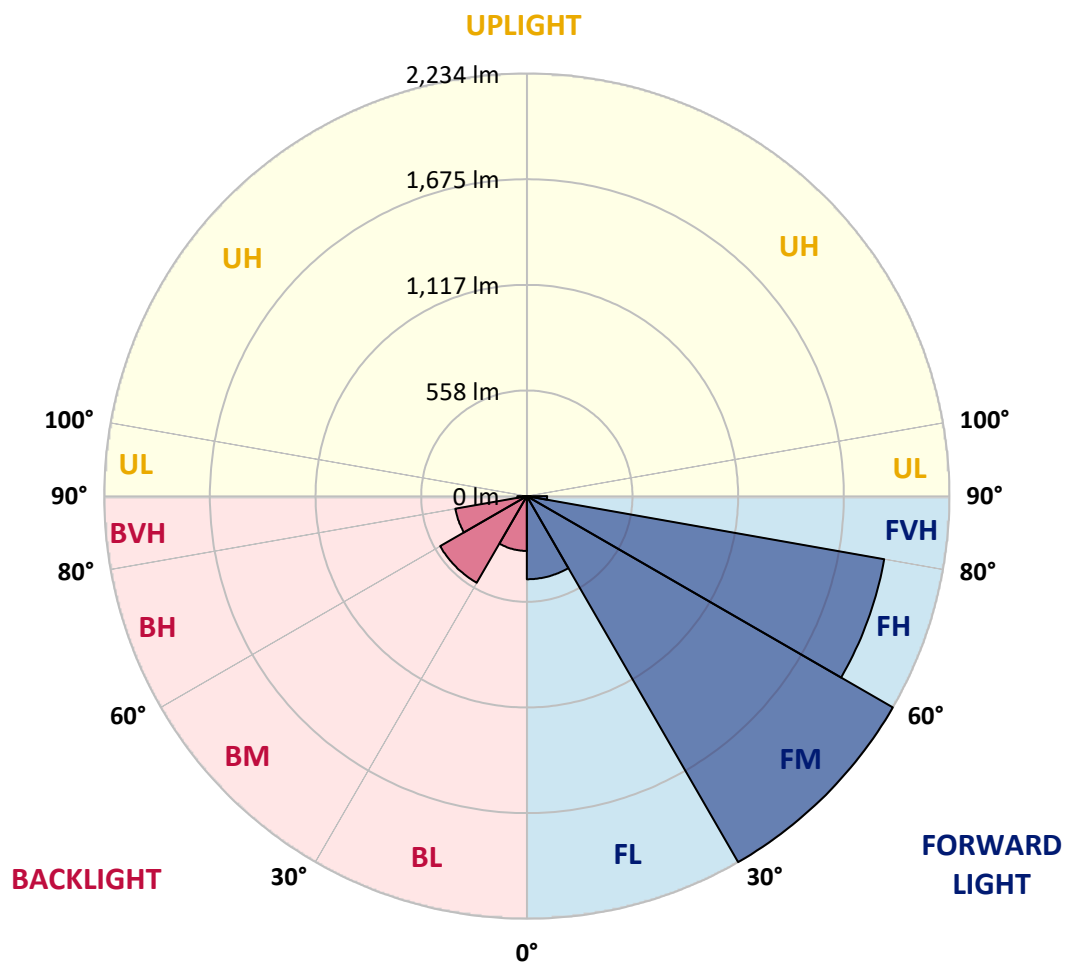
CATALOG NUMBER: CCW-SA-1E-850-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.4	7.4			
FM	(30°-60°)	2233.6	37.5			
FH	(60°-80°)	1917.8	32.2			G2/5000
FVH	(80°-90°)	107.8	1.8			G2/225
BL	(0°-30°)	289.5	4.9	B1/500		
BM	(30°-60°)	529.0	8.9	B1/1000		
BH	(60°-80°)	383.6	6.4	B1/500		G1/500
BVH	(80°-90°)	50.3	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-G2

Type II Medium





REPORT NUMBER: P674915

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4
2.5°	838.9	838.9	832.3	830.1	830.1	812.5	814.7	803.7	794.9	794.9	786.2
5°	882.8	878.4	878.4	878.4	867.4	860.8	858.6	838.9	823.5	825.7	799.3
7.5°	893.8	896.0	898.2	909.1	902.6	906.9	902.6	880.6	869.6	858.6	834.5
10°	900.4	904.7	904.7	920.1	920.1	931.1	937.7	928.9	909.1	898.2	858.6
12.5°	915.7	909.1	917.9	928.9	939.9	959.6	979.4	970.6	957.5	944.3	900.4
15°	915.7	917.9	924.5	942.1	959.6	979.4	1014.5	1027.7	1021.1	997.0	950.9
17.5°	889.4	882.8	913.5	946.5	979.4	1003.6	1049.7	1080.4	1076.0	1067.3	997.0
20°	891.6	898.2	909.1	937.7	990.4	1034.3	1091.4	1141.9	1152.9	1148.5	1058.5
22.5°	931.1	933.3	944.3	957.5	999.2	1056.3	1141.9	1223.2	1242.9	1232.0	1126.5
25°	970.6	988.2	988.2	997.0	1012.4	1071.6	1174.9	1289.0	1317.6	1319.8	1196.8
27.5°	1034.3	1038.7	1051.9	1056.3	1069.4	1104.6	1212.2	1337.4	1403.2	1394.5	1260.5
30°	1109.0	1111.2	1120.0	1115.6	1117.8	1161.7	1247.3	1392.3	1482.3	1484.5	1328.6
32.5°	1196.8	1214.4	1218.8	1190.2	1194.6	1205.6	1302.2	1458.1	1581.1	1565.7	1387.9
35°	1326.4	1333.0	1319.8	1306.6	1273.7	1267.1	1359.3	1524.0	1666.8	1684.3	1475.7
37.5°	1486.7	1504.3	1486.7	1416.4	1381.3	1354.9	1429.6	1596.5	1770.0	1829.3	1563.5
40°	1636.0	1633.8	1616.2	1552.6	1491.1	1471.3	1530.6	1697.5	1930.3	1987.4	1690.9
42.5°	1756.8	1750.2	1739.2	1690.9	1633.8	1600.9	1647.0	1802.9	2064.2	2174.0	1838.0
45°	1862.2	1853.4	1855.6	1800.7	1745.8	1763.4	1763.4	1923.7	2222.3	2358.5	2007.1
47.5°	1961.0	1965.4	1958.8	1917.1	1875.4	1921.5	1897.3	2062.0	2378.3	2529.8	2149.9
50°	2075.2	2084.0	2062.0	2035.7	1998.4	2044.5	2013.7	2191.6	2479.3	2685.7	2321.2
52.5°	2182.8	2191.6	2211.4	2178.4	2141.1	2178.4	2108.2	2312.4	2613.2	2837.2	2452.9
55°	2209.2	2204.8	2314.6	2349.7	2369.5	2257.5	2191.6	2415.6	2718.6	2933.8	2602.2
57.5°	2088.4	2099.4	2248.7	2349.7	2560.5	2463.9	2286.0	2536.4	2828.4	3061.2	2740.6
60°	1787.5	1794.1	1980.8	2220.1	2527.6	2657.1	2540.8	2692.3	2949.2	3168.8	2896.5
62.5°	1194.6	1245.1	1477.9	1853.4	2294.8	2709.9	2947.0	2955.8	3096.3	3305.0	3109.5
65°	630.2	654.4	836.7	1139.7	1739.2	2527.6	3329.1	3478.4	3390.6	3555.3	3417.0
67.5°	412.8	421.6	520.4	691.7	1003.6	1844.6	3373.0	4385.4	3981.3	4031.8	3908.9
70°	307.4	311.8	384.3	511.7	621.5	986.0	2764.8	4809.2	4807.0	4673.1	4493.0
72.5°	226.2	232.8	283.3	390.9	478.7	531.4	1554.8	4301.9	5059.6	4991.5	4528.1
75°	177.9	182.3	208.6	303.0	386.5	349.2	788.4	3186.4	4291.0	4618.2	4143.8
77.5°	144.9	149.3	164.7	219.6	309.6	270.1	377.7	2055.4	2909.7	3324.7	3171.0
80°	120.8	120.8	131.8	155.9	239.4	204.2	224.0	1155.1	1567.9	1730.4	1438.4
82.5°	103.2	101.0	109.8	114.2	177.9	147.1	144.9	522.6	689.5	731.3	540.2
85°	65.9	68.1	103.2	98.8	116.4	101.0	81.3	248.1	325.0	331.6	202.0
87.5°	26.4	26.4	43.9	54.9	65.9	61.5	39.5	112.0	142.7	142.7	57.1
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: P674915

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4
2.5°	784.0	775.2	768.6	764.2	753.2	742.2	744.4	742.2	733.5	729.1	729.1
5°	792.8	784.0	773.0	755.4	744.4	731.3	735.7	726.9	718.1	724.7	713.7
7.5°	814.7	799.3	784.0	757.6	740.0	720.3	711.5	707.1	700.5	696.1	696.1
10°	845.5	823.5	794.9	755.4	726.9	696.1	691.7	683.0	676.4	676.4	674.2
12.5°	876.2	852.0	803.7	740.0	691.7	669.8	667.6	669.8	674.2	676.4	678.6
15°	915.7	876.2	801.5	711.5	663.2	654.4	665.4	674.2	683.0	691.7	689.5
17.5°	953.1	906.9	781.8	676.4	639.0	641.2	661.0	678.6	696.1	704.9	707.1
20°	1003.6	935.5	753.2	634.6	614.9	634.6	661.0	683.0	702.7	713.7	715.9
22.5°	1060.7	968.4	715.9	597.3	595.1	614.9	641.2	674.2	696.1	715.9	713.7
25°	1111.2	990.4	667.6	566.6	571.0	584.1	614.9	650.0	672.0	693.9	687.3
27.5°	1144.1	994.8	617.1	544.6	544.6	557.8	586.3	608.3	628.1	645.6	647.8
30°	1181.4	986.0	560.0	516.1	516.1	533.6	544.6	557.8	568.8	573.2	577.5
32.5°	1225.4	966.2	524.8	494.1	494.1	507.3	513.9	509.5	507.3	496.3	502.9
35°	1267.1	937.7	485.3	465.5	474.3	480.9	478.7	465.5	452.4	432.6	426.0
37.5°	1317.6	909.1	450.2	434.8	450.2	452.4	452.4	437.0	419.4	395.3	395.3
40°	1394.5	887.2	421.6	415.0	430.4	428.2	417.2	406.3	412.8	399.7	399.7
42.5°	1475.7	878.4	395.3	397.5	404.1	406.3	395.3	382.1	408.5	393.1	395.3
45°	1576.7	885.0	377.7	375.5	390.9	388.7	382.1	371.1	379.9	340.4	329.4
47.5°	1671.1	898.2	368.9	360.1	377.7	382.1	373.3	349.2	336.0	311.8	307.4
50°	1756.8	926.7	360.1	342.6	360.1	368.9	353.6	327.2	311.8	296.5	296.5
52.5°	1838.0	968.4	355.8	322.8	338.2	349.2	340.4	314.0	296.5	289.9	283.3
55°	1921.5	1005.8	349.2	309.6	314.0	336.0	333.8	298.7	281.1	281.1	278.9
57.5°	2040.1	1056.3	340.4	287.7	296.5	320.6	320.6	292.1	272.3	274.5	276.7
60°	2160.9	1115.6	331.6	265.7	272.3	305.2	309.6	283.3	265.7	267.9	265.7
62.5°	2354.1	1225.4	314.0	239.4	252.5	285.5	296.5	272.3	256.9	261.3	261.3
65°	2646.2	1414.2	276.7	217.4	232.8	267.9	283.3	261.3	243.8	256.9	252.5
67.5°	3116.1	1673.3	232.8	199.8	219.6	250.3	267.9	248.1	232.8	252.5	246.0
70°	3537.7	1800.7	199.8	184.5	199.8	230.6	250.3	235.0	219.6	239.4	230.6
72.5°	3366.5	1412.0	173.5	166.9	182.3	208.6	232.8	217.4	202.0	213.0	204.2
75°	2905.3	1124.3	151.5	149.3	162.5	188.9	213.0	202.0	186.7	191.1	186.7
77.5°	2202.6	928.9	129.6	127.4	138.3	169.1	191.1	182.3	166.9	164.7	164.7
80°	983.8	456.8	107.6	107.6	114.2	144.9	162.5	158.1	142.7	140.5	138.3
82.5°	322.8	173.5	87.8	83.4	92.2	120.8	144.9	140.5	125.2	120.8	116.4
85°	129.6	83.4	63.7	63.7	72.5	101.0	129.6	120.8	101.0	90.0	90.0
87.5°	43.9	35.1	32.9	32.9	46.1	68.1	96.6	81.3	72.5	63.7	65.9
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)