

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: P670742

Luminaire Tested: **CCP-SA-2A-840-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670742
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-840-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4653.5 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

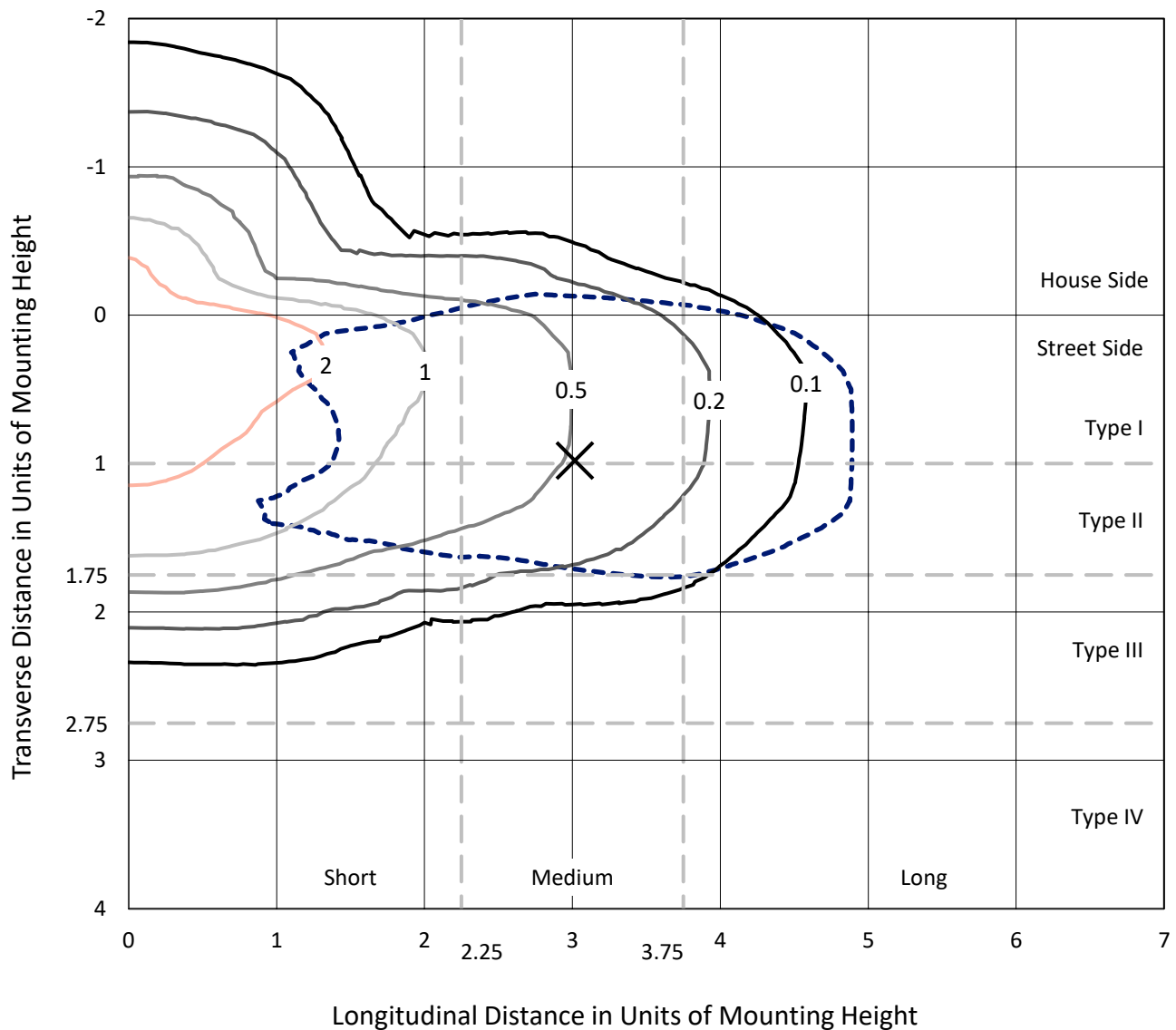
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P670742

CATALOG NUMBER: CCP-SA-2A-840-U-T2

Iso-Footcandle Lines of Horizontal Illumination

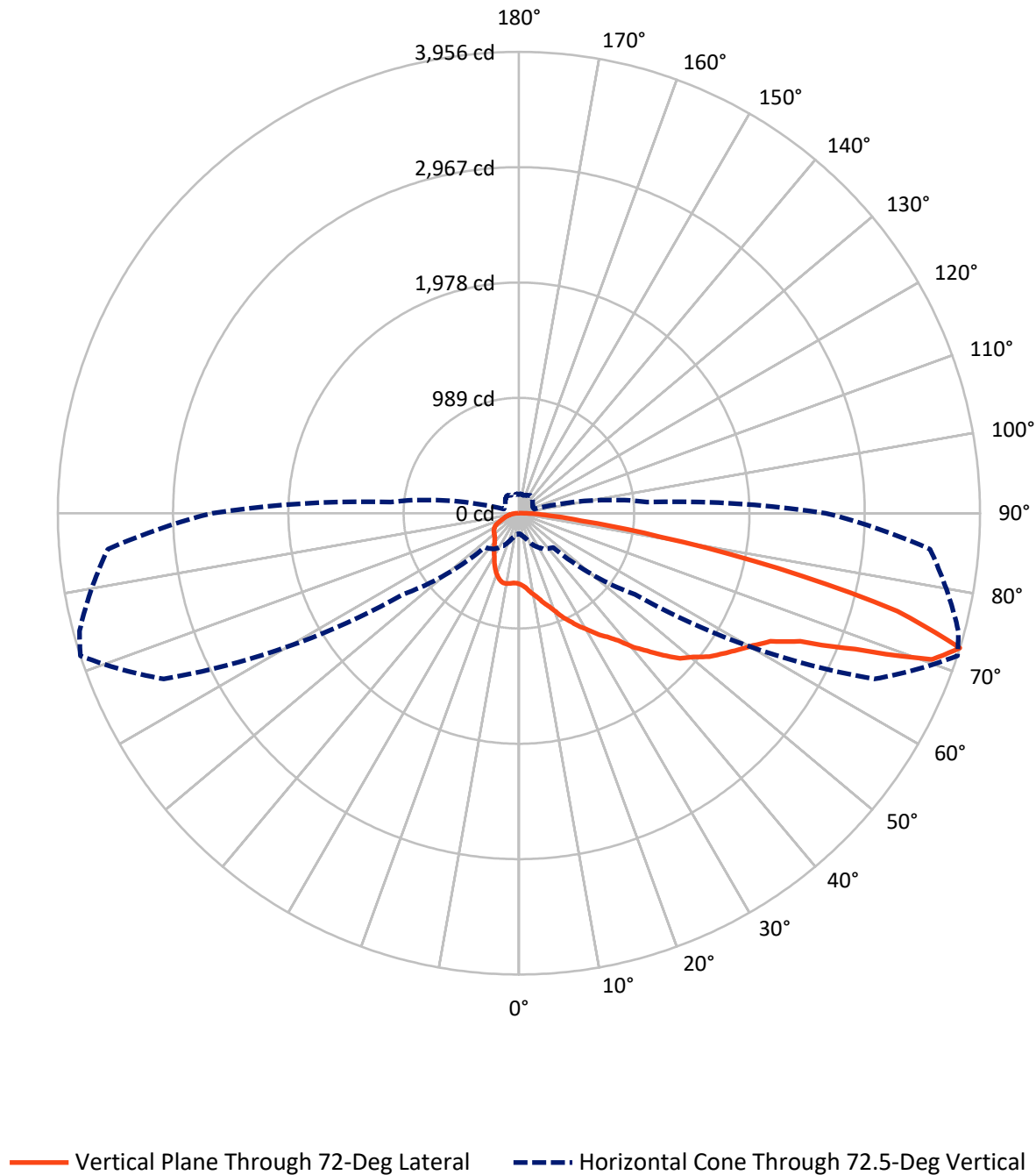
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P670742
CATALOG NUMBER: CCP-SA-2A-840-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P670742

CATALOG NUMBER: CCP-SA-2A-840-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	979.4	0.0	979.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3674.1	0.0	3674.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	4653.5	0.0	4653.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.3
10°-20°	186.7	4.0
20°-30°	323.1	6.9
30°-40°	477.3	10.3
40°-50°	709.8	15.3
50°-60°	973.1	20.9
60°-70°	1055.5	22.7
70°-80°	744.2	16.0
80°-90°	123.6	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°	4653.5	100.0
0°-180°	4653.5	100.0

Coefficient of Utilization



REPORT NUMBER: P670742

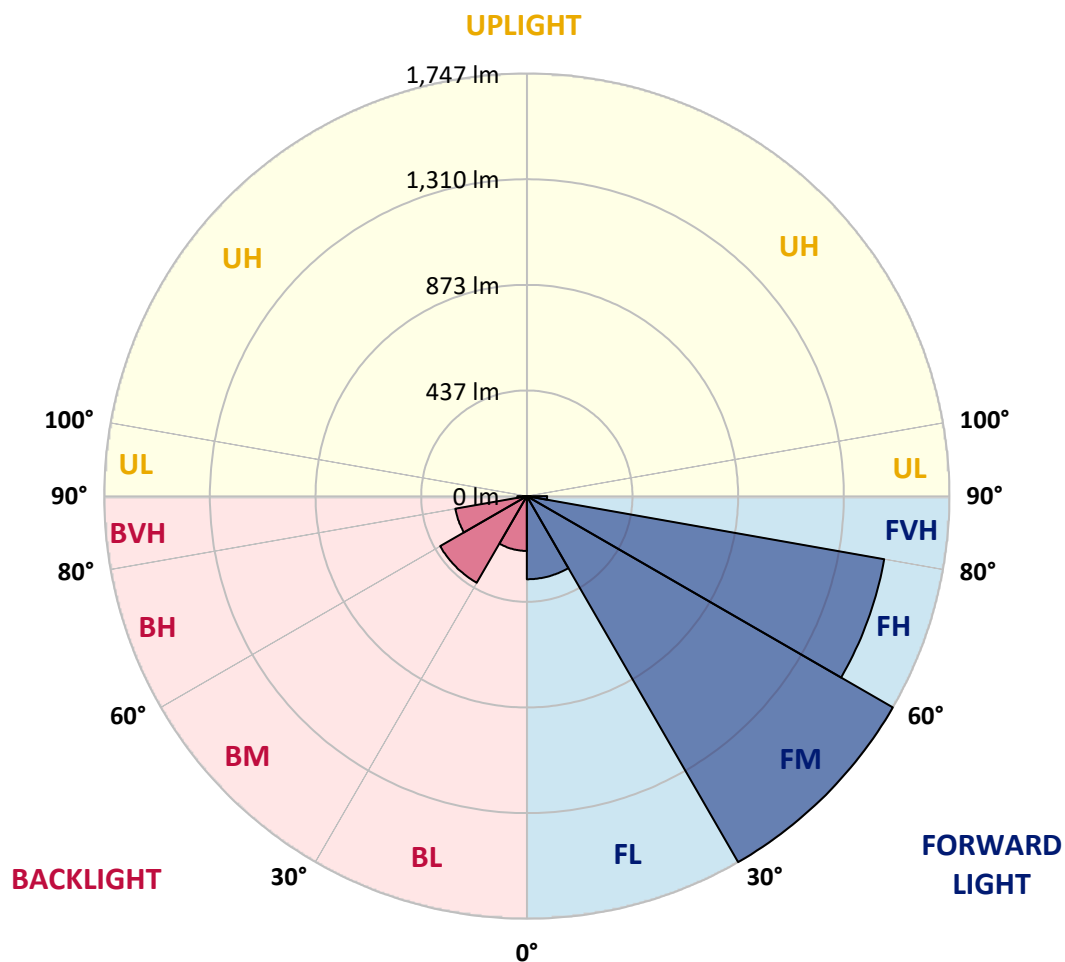
CATALOG NUMBER: CCP-SA-2A-840-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.6	7.4			
FM	(30°-60°)	1746.5	37.5			
FH	(60°-80°)	1499.7	32.2			G1/1800
FVH	(80°-90°)	84.3	1.8			G1/100
BL	(0°-30°)	226.4	4.9	B1/500		
BM	(30°-60°)	413.6	8.9	B1/1000		
BH	(60°-80°)	300.0	6.4	B1/500		G1/500
BVH	(80°-90°)	39.4	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: P670742

CATALOG NUMBER: CCP-SA-2A-840-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	656.0	656.0	650.8	649.1	649.1	635.3	637.1	628.5	621.6	621.6	614.7
5°	690.3	686.9	686.9	686.9	678.3	673.1	671.4	656.0	643.9	645.7	625.0
7.5°	698.9	700.6	702.3	710.9	705.8	709.2	705.8	688.6	680.0	671.4	652.5
10°	704.0	707.5	707.5	719.5	719.5	728.1	733.2	726.4	710.9	702.3	671.4
12.5°	716.1	710.9	717.8	726.4	734.9	750.4	765.9	759.0	748.7	738.4	704.0
15°	716.1	717.8	722.9	736.7	750.4	765.9	793.3	803.6	798.5	779.6	743.5
17.5°	695.4	690.3	714.3	740.1	765.9	784.7	820.8	844.8	841.4	834.5	779.6
20°	697.2	702.3	710.9	733.2	774.4	808.8	853.4	892.9	901.5	898.1	827.7
22.5°	728.1	729.8	738.4	748.7	781.3	826.0	892.9	956.5	971.9	963.3	880.9
25°	759.0	772.7	772.7	779.6	791.6	838.0	918.7	1008.0	1030.3	1032.0	935.8
27.5°	808.8	812.2	822.5	826.0	836.3	863.7	947.9	1045.7	1097.3	1090.4	985.6
30°	867.2	868.9	875.7	872.3	874.0	908.4	975.3	1088.7	1159.1	1160.8	1038.9
32.5°	935.8	949.6	953.0	930.7	934.1	942.7	1018.3	1140.2	1236.4	1224.3	1085.2
35°	1037.2	1042.3	1032.0	1021.7	996.0	990.8	1062.9	1191.7	1303.3	1317.1	1153.9
37.5°	1162.5	1176.3	1162.5	1107.6	1080.1	1059.5	1117.9	1248.4	1384.0	1430.4	1222.6
40°	1279.3	1277.6	1263.8	1214.0	1165.9	1150.5	1196.9	1327.4	1509.4	1554.0	1322.2
42.5°	1373.7	1368.6	1360.0	1322.2	1277.6	1251.8	1287.9	1409.8	1614.1	1700.0	1437.3
45°	1456.1	1449.3	1451.0	1408.1	1365.1	1378.9	1378.9	1504.2	1737.8	1844.2	1569.5
47.5°	1533.4	1536.9	1531.7	1499.1	1466.5	1502.5	1483.6	1612.4	1859.7	1978.2	1681.1
50°	1622.7	1629.6	1612.4	1591.8	1562.6	1598.7	1574.6	1713.7	1938.7	2100.1	1815.0
52.5°	1706.9	1713.7	1729.2	1703.4	1674.2	1703.4	1648.5	1808.2	2043.4	2218.6	1918.1
55°	1727.5	1724.0	1809.9	1837.4	1852.8	1765.2	1713.7	1888.9	2125.8	2294.1	2034.8
57.5°	1633.0	1641.6	1758.4	1837.4	2002.2	1926.6	1787.6	1983.3	2211.7	2393.7	2143.0
60°	1397.8	1402.9	1548.9	1736.0	1976.4	2077.8	1986.7	2105.2	2306.1	2477.9	2264.9
62.5°	934.1	973.6	1155.6	1449.3	1794.4	2119.0	2304.4	2311.3	2421.2	2584.3	2431.5
65°	492.8	511.7	654.2	891.2	1360.0	1976.4	2603.2	2720.0	2651.3	2780.1	2671.9
67.5°	322.8	329.7	407.0	540.9	784.7	1442.4	2637.6	3429.2	3113.2	3152.7	3056.5
70°	240.4	243.8	300.5	400.1	486.0	771.0	2161.9	3760.6	3758.9	3654.1	3513.3
72.5°	176.9	182.0	221.5	305.7	374.3	415.6	1215.7	3363.9	3956.3	3903.1	3540.8
75°	139.1	142.5	163.1	237.0	302.2	273.0	616.5	2491.6	3355.3	3611.2	3240.3
77.5°	113.3	116.8	128.8	171.7	242.1	211.2	295.4	1607.3	2275.2	2599.8	2479.6
80°	94.4	94.4	103.0	121.9	187.2	159.7	175.1	903.2	1226.0	1353.1	1124.7
82.5°	80.7	79.0	85.9	89.3	139.1	115.0	113.3	408.7	539.2	571.8	422.4
85°	51.5	53.2	80.7	77.3	91.0	79.0	63.5	194.0	254.1	259.3	158.0
87.5°	20.6	20.6	34.3	42.9	51.5	48.1	30.9	87.6	111.6	111.6	44.6
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: P670742

CATALOG NUMBER: CCP-SA-2A-840-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	613.0	606.2	601.0	597.6	589.0	580.4	582.1	580.4	573.5	570.1	570.1
5°	619.9	613.0	604.4	590.7	582.1	571.8	575.2	568.4	561.5	566.7	558.1
7.5°	637.1	625.0	613.0	592.4	578.7	563.2	556.4	552.9	547.8	544.3	544.3
10°	661.1	643.9	621.6	590.7	568.4	544.3	540.9	534.0	528.9	528.9	527.2
12.5°	685.1	666.3	628.5	578.7	540.9	523.7	522.0	523.7	527.2	528.9	530.6
15°	716.1	685.1	626.8	556.4	518.6	511.7	520.3	527.2	534.0	540.9	539.2
17.5°	745.2	709.2	611.3	528.9	499.7	501.4	516.9	530.6	544.3	551.2	552.9
20°	784.7	731.5	589.0	496.3	480.8	496.3	516.9	534.0	549.5	558.1	559.8
22.5°	829.4	757.3	559.8	467.1	465.3	480.8	501.4	527.2	544.3	559.8	558.1
25°	868.9	774.4	522.0	443.0	446.5	456.8	480.8	508.3	525.4	542.6	537.5
27.5°	894.6	777.9	482.5	425.9	425.9	436.2	458.5	475.7	491.1	504.8	506.6
30°	923.8	771.0	437.9	403.5	403.5	417.3	425.9	436.2	444.7	448.2	451.6
32.5°	958.2	755.5	410.4	386.4	386.4	396.7	401.8	398.4	396.7	388.1	393.2
35°	990.8	733.2	379.5	364.0	370.9	376.1	374.3	364.0	353.7	338.3	333.1
37.5°	1030.3	710.9	352.0	340.0	352.0	353.7	353.7	341.7	328.0	309.1	309.1
40°	1090.4	693.7	329.7	324.5	336.6	334.8	326.3	317.7	322.8	312.5	312.5
42.5°	1153.9	686.9	309.1	310.8	316.0	317.7	309.1	298.8	319.4	307.4	309.1
45°	1232.9	692.0	295.4	293.6	305.7	303.9	298.8	290.2	297.1	266.2	257.6
47.5°	1306.8	702.3	288.5	281.6	295.4	298.8	291.9	273.0	262.7	243.8	240.4
50°	1373.7	724.6	281.6	267.9	281.6	288.5	276.5	255.9	243.8	231.8	231.8
52.5°	1437.3	757.3	278.2	252.4	264.4	273.0	266.2	245.6	231.8	226.7	221.5
55°	1502.5	786.5	273.0	242.1	245.6	262.7	261.0	233.5	219.8	219.8	218.1
57.5°	1595.2	826.0	266.2	224.9	231.8	250.7	250.7	228.4	212.9	214.6	216.4
60°	1689.7	872.3	259.3	207.8	212.9	238.7	242.1	221.5	207.8	209.5	207.8
62.5°	1840.8	958.2	245.6	187.2	197.5	223.2	231.8	212.9	200.9	204.3	204.3
65°	2069.2	1105.8	216.4	170.0	182.0	209.5	221.5	204.3	190.6	200.9	197.5
67.5°	2436.6	1308.5	182.0	156.3	171.7	195.8	209.5	194.0	182.0	197.5	192.3
70°	2766.3	1408.1	156.3	144.2	156.3	180.3	195.8	183.7	171.7	187.2	180.3
72.5°	2632.4	1104.1	135.7	130.5	142.5	163.1	182.0	170.0	158.0	166.6	159.7
75°	2271.8	879.2	118.5	116.8	127.1	147.7	166.6	158.0	146.0	149.4	146.0
77.5°	1722.3	726.4	101.3	99.6	108.2	132.2	149.4	142.5	130.5	128.8	128.8
80°	769.3	357.2	84.1	84.1	89.3	113.3	127.1	123.6	111.6	109.9	108.2
82.5°	252.4	135.7	68.7	65.3	72.1	94.4	113.3	109.9	97.9	94.4	91.0
85°	101.3	65.3	49.8	49.8	56.7	79.0	101.3	94.4	79.0	70.4	70.4
87.5°	34.3	27.5	25.8	25.8	36.1	53.2	75.6	63.5	56.7	49.8	51.5
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)