

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: P672127

Luminaire Tested: **CCP-SA-2A-750-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672127  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-750-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

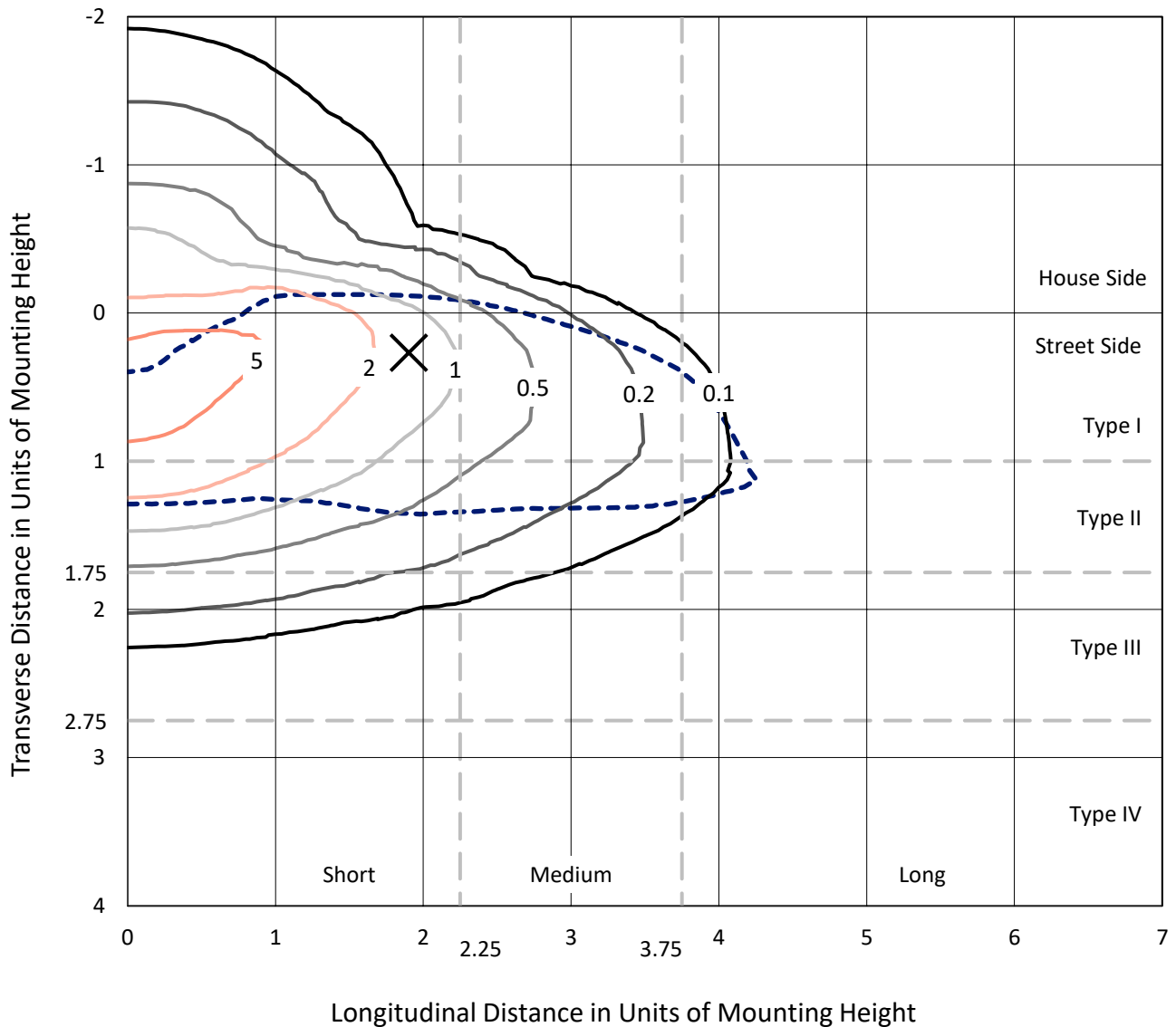
Lumens per Lamp: N/A  
Luminaire Lumens: 5685.2 lumens  
Efficiency: N/A  
Efficacy: 157.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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: P672127  
 CATALOG NUMBER: CCP-SA-2A-750-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

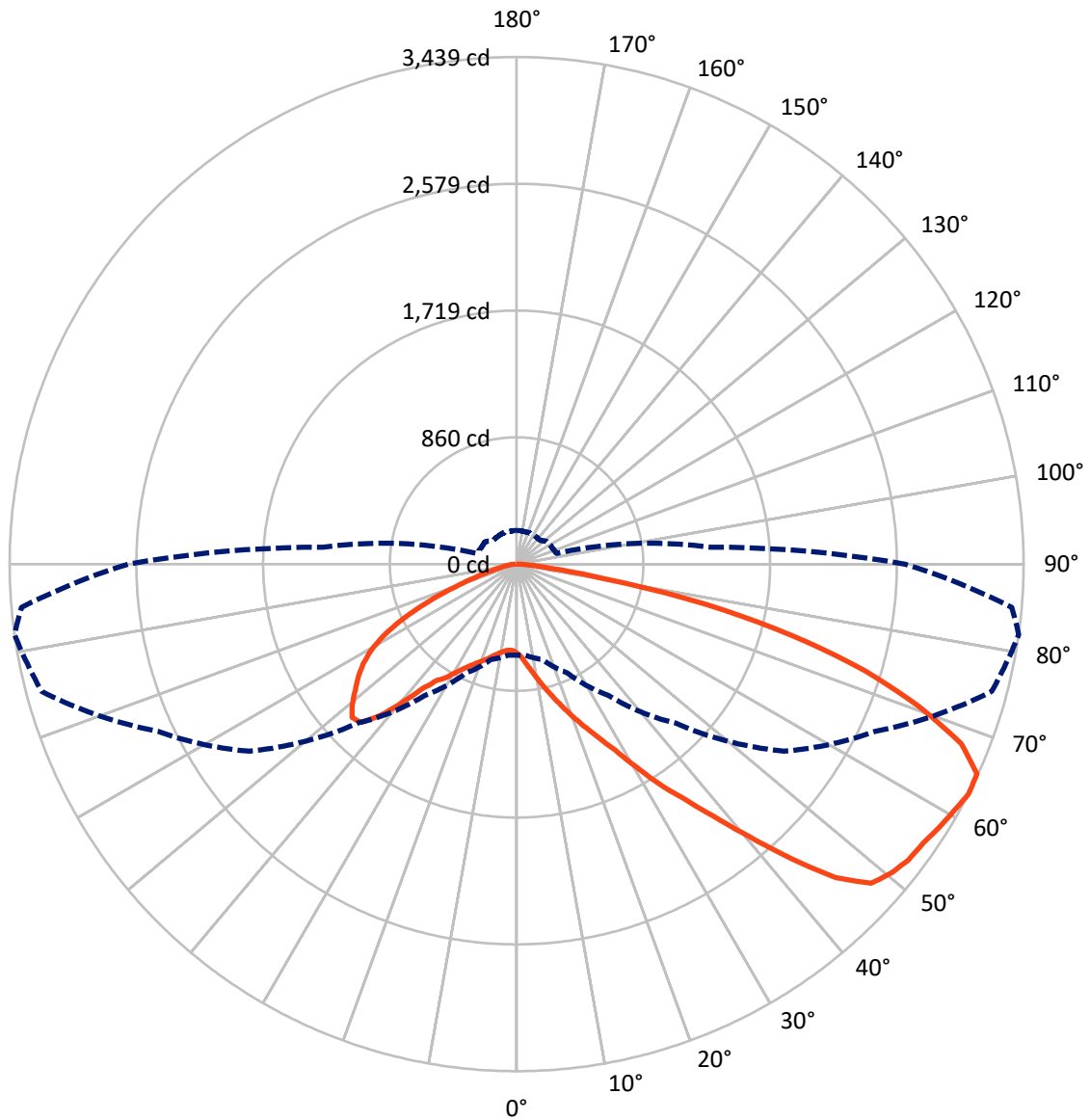
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P672127  
CATALOG NUMBER: CCP-SA-2A-750-U-T2R

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P672127  
 CATALOG NUMBER: CCP-SA-2A-750-U-T2R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1071.1	0.0	1071.1
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	4614.1	0.0	4614.1
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	5685.2	0.0	5685.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.9	1.2
10°-20°	252.3	4.4
20°-30°	522.6	9.2
30°-40°	887.0	15.6
40°-50°	1207.8	21.2
50°-60°	1222.6	21.5
60°-70°	963.5	16.9
70°-80°	474.7	8.3
80°-90°	87.8	1.5
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°	5685.2	100.0
0°-180°	5685.2	100.0



REPORT NUMBER: P672127

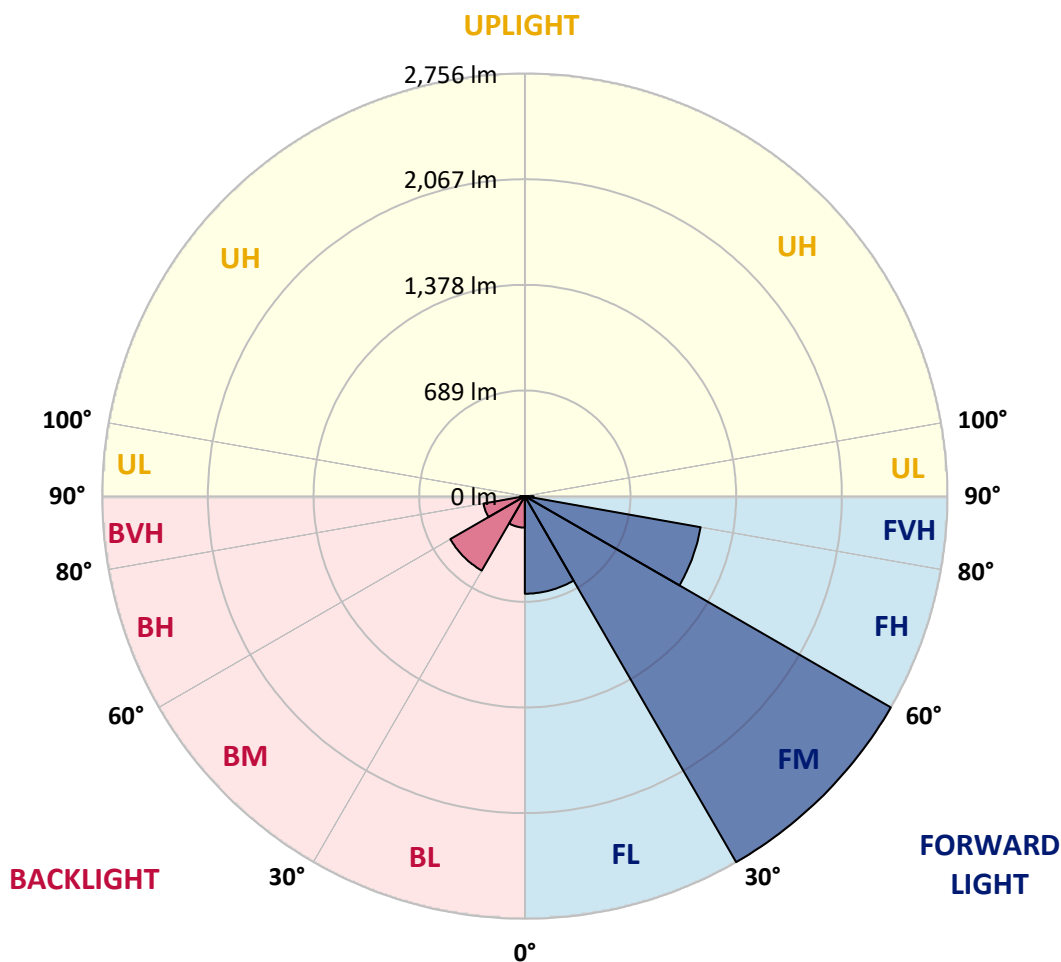
CATALOG NUMBER: CCP-SA-2A-750-U-T2R

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.3	11.2			
FM (30°-60°)	2756.4	48.5			
FH (60°-80°)	1164.4	20.5			G1/1800
FVH (80°-90°)	57.0	1.0			G1/100
BL (0°-30°)	205.5	3.6	B1/500		
BM (30°-60°)	561.0	9.9	B1/1000		
BH (60°-80°)	273.8	4.8	B1/500		G1/500
BVH (80°-90°)	30.8	0.5			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 Short





REPORT NUMBER: P672127

CATALOG NUMBER: CCP-SA-2A-750-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6
2.5°	805.1	792.9	786.3	779.0	758.5	745.4	720.8	692.2	659.0	630.8	625.5
5°	975.0	962.7	964.4	946.4	916.5	888.7	842.8	788.8	725.7	677.4	660.7
7.5°	1095.0	1081.4	1084.7	1077.4	1053.2	1022.5	964.4	894.8	802.7	731.1	704.0
10°	1175.2	1176.8	1179.3	1176.4	1160.9	1139.2	1081.4	1004.5	889.9	794.5	757.7
12.5°	1266.1	1270.6	1269.7	1271.0	1262.8	1245.6	1189.1	1116.6	982.8	862.9	815.0
15°	1381.9	1377.4	1381.1	1386.4	1377.4	1358.6	1308.6	1222.7	1080.2	939.0	879.6
17.5°	1508.8	1499.4	1509.2	1503.9	1497.3	1485.0	1430.2	1338.5	1180.9	1021.3	951.7
20°	1618.5	1612.3	1617.7	1618.5	1619.7	1617.3	1560.8	1463.3	1286.5	1110.9	1029.5
22.5°	1741.7	1738.8	1738.0	1738.4	1739.6	1742.5	1704.0	1600.1	1403.6	1205.1	1113.4
25°	1914.0	1911.2	1892.3	1871.4	1859.2	1868.2	1848.1	1755.2	1532.9	1310.7	1205.5
27.5°	2107.2	2102.7	2077.7	2024.9	1985.7	1992.2	1990.2	1926.3	1681.9	1431.8	1316.0
30°	2307.8	2296.7	2262.4	2188.3	2126.5	2115.0	2120.7	2099.4	1869.4	1592.7	1469.9
32.5°	2486.7	2466.2	2420.8	2345.9	2272.2	2239.0	2239.8	2249.3	2073.2	1780.2	1631.2
35°	2596.0	2582.5	2548.5	2472.8	2390.5	2368.4	2362.2	2409.3	2260.3	1953.7	1775.7
37.5°	2654.9	2641.8	2605.4	2544.4	2482.2	2473.2	2484.6	2557.5	2472.8	2170.3	1972.1
40°	2644.3	2630.3	2606.6	2564.0	2523.1	2530.1	2580.8	2693.4	2704.8	2429.4	2252.1
42.5°	2556.7	2541.9	2539.9	2537.0	2517.8	2548.5	2640.2	2792.8	2918.1	2728.6	2591.0
45°	2401.9	2392.9	2403.6	2452.7	2476.8	2536.2	2668.0	2841.1	3105.6	3032.7	2911.6
47.5°	2205.9	2200.5	2224.7	2302.5	2380.7	2498.5	2686.4	2854.2	3234.5	3234.5	3121.5
50°	1986.5	1984.4	2016.3	2129.3	2251.7	2429.4	2684.4	2866.5	3291.0	3293.9	3195.6
52.5°	1680.3	1690.9	1776.1	1925.1	2091.3	2320.9	2655.7	2900.9	3322.9	3329.5	3245.2
55°	1327.5	1337.7	1466.2	1666.8	1879.6	2189.1	2570.2	2890.7	3329.1	3343.8	3273.4
57.5°	1059.8	1061.8	1142.0	1380.3	1643.9	2020.4	2471.5	2822.7	3311.1	3375.3	3316.8
60°	829.3	835.8	889.5	1078.2	1370.4	1803.1	2361.4	2755.6	3321.3	3405.2	3356.1
62.5°	617.7	619.3	669.3	815.4	1088.8	1526.0	2212.0	2684.0	3335.6	3438.8	3372.0
65°	402.4	402.0	450.3	582.1	813.3	1226.8	1977.5	2571.8	3336.8	3431.4	3298.8
67.5°	255.8	257.5	278.3	361.4	544.4	925.9	1658.2	2363.5	3278.7	3252.9	3031.9
70°	207.5	207.9	214.5	236.2	331.6	632.8	1246.4	2037.6	3094.9	2897.2	2635.3
72.5°	185.0	185.4	188.7	191.2	221.0	380.3	817.8	1654.5	2768.3	2469.5	2186.2
75°	166.2	166.2	168.2	165.8	181.3	238.6	464.2	1243.9	2280.0	1923.0	1651.6
77.5°	145.7	145.3	145.3	144.1	156.8	174.4	232.5	868.2	1642.2	1311.5	1071.2
80°	123.6	122.8	124.0	123.2	135.5	132.2	135.5	535.8	890.3	601.3	456.0
82.5°	96.2	96.2	99.9	100.7	111.7	95.8	95.4	254.2	338.1	224.7	168.2
85°	50.3	56.5	76.1	79.4	84.3	60.2	70.0	118.7	135.5	86.0	61.4
87.5°	15.1	16.0	46.7	52.4	52.0	30.3	43.0	57.3	63.4	38.1	25.0
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: P672127  
 CATALOG NUMBER: CCP-SA-2A-750-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6
2.5°	611.9	597.6	567.3	540.3	519.8	500.2	486.7	479.7	470.7	472.0	469.1
5°	630.8	601.3	547.7	504.3	475.2	453.1	439.6	432.7	426.1	422.8	425.3
7.5°	659.0	613.2	538.3	485.9	455.6	436.8	429.4	427.3	425.7	424.5	426.5
10°	695.4	634.0	536.6	479.3	451.5	440.0	437.2	435.9	434.3	432.7	433.9
12.5°	732.7	657.0	542.4	481.0	458.0	449.4	445.8	444.1	440.0	438.0	438.4
15°	779.4	684.8	550.1	487.5	466.6	455.6	450.7	446.2	439.6	436.8	438.0
17.5°	829.3	718.0	560.8	493.6	469.9	456.4	446.6	440.0	433.5	429.4	429.8
20°	885.8	750.7	570.2	495.7	468.3	449.4	437.6	429.8	421.2	416.7	415.5
22.5°	944.3	785.1	577.6	494.1	459.3	437.6	424.1	414.6	404.4	397.5	397.9
25°	1015.5	831.8	583.7	488.3	447.4	422.0	406.9	395.0	384.4	377.8	378.2
27.5°	1101.1	884.6	591.1	479.3	433.1	405.2	387.6	375.8	365.5	359.4	358.6
30°	1215.3	953.3	599.3	468.3	415.1	386.8	369.6	357.3	347.5	341.8	341.8
32.5°	1343.8	1037.2	605.0	455.2	395.0	367.2	351.6	341.8	334.4	326.6	325.8
35°	1455.6	1102.3	622.6	444.9	377.4	348.7	338.1	331.1	320.1	312.7	311.5
37.5°	1619.7	1216.9	674.6	442.1	356.1	334.4	332.4	319.3	306.6	292.7	291.4
40°	1884.1	1415.5	735.2	428.2	334.0	326.6	324.6	307.0	277.1	268.5	266.9
42.5°	2220.6	1654.5	741.7	387.6	318.5	320.1	314.0	279.6	266.5	259.9	258.3
45°	2524.3	1848.5	704.5	346.3	307.0	310.3	297.6	269.3	262.0	255.8	254.2
47.5°	2695.0	1908.3	634.0	315.2	298.4	301.7	271.4	264.4	257.1	250.9	249.3
50°	2742.9	1856.3	552.2	297.2	291.9	293.1	264.4	260.3	253.8	248.9	246.4
52.5°	2752.3	1778.5	476.5	286.5	286.9	275.9	258.3	255.0	250.9	243.1	240.3
55°	2756.4	1708.5	408.5	280.0	283.7	253.8	251.7	249.3	246.0	237.8	236.2
57.5°	2767.1	1618.9	355.3	275.1	279.6	243.6	244.4	242.7	238.6	235.0	234.1
60°	2736.8	1494.9	314.4	270.2	273.8	235.0	235.8	236.6	232.9	232.1	231.7
62.5°	2635.3	1318.9	279.6	263.6	262.0	226.4	226.4	229.6	226.4	227.6	227.6
65°	2426.1	1094.5	248.5	251.3	243.6	216.9	216.5	222.3	217.4	222.7	223.1
67.5°	2069.6	828.5	216.5	232.1	224.3	207.1	208.8	213.3	206.7	217.8	217.8
70°	1638.1	563.6	183.4	205.1	204.7	196.1	201.4	201.0	193.6	210.0	207.1
72.5°	1220.2	361.8	149.4	171.9	178.9	184.2	194.0	185.4	178.5	187.9	179.3
75°	852.6	226.8	117.9	135.9	149.0	171.1	185.0	167.8	157.6	154.7	152.3
77.5°	510.4	144.9	92.9	103.6	116.2	155.5	173.6	149.4	133.9	132.2	127.3
80°	235.4	94.6	70.8	77.4	82.7	133.4	158.0	127.7	108.9	107.2	101.5
82.5°	106.4	62.2	52.8	55.3	55.7	106.0	133.4	101.1	83.1	134.7	116.7
85°	49.5	40.1	34.4	32.7	33.2	70.8	97.0	69.6	94.6	73.7	56.1
87.5°	21.3	20.5	17.6	13.9	12.7	15.1	37.2	29.1	41.3	16.4	11.1
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)