

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: P670950

Luminaire Tested: **CCP-SA-1D-735-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670950
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4FT distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

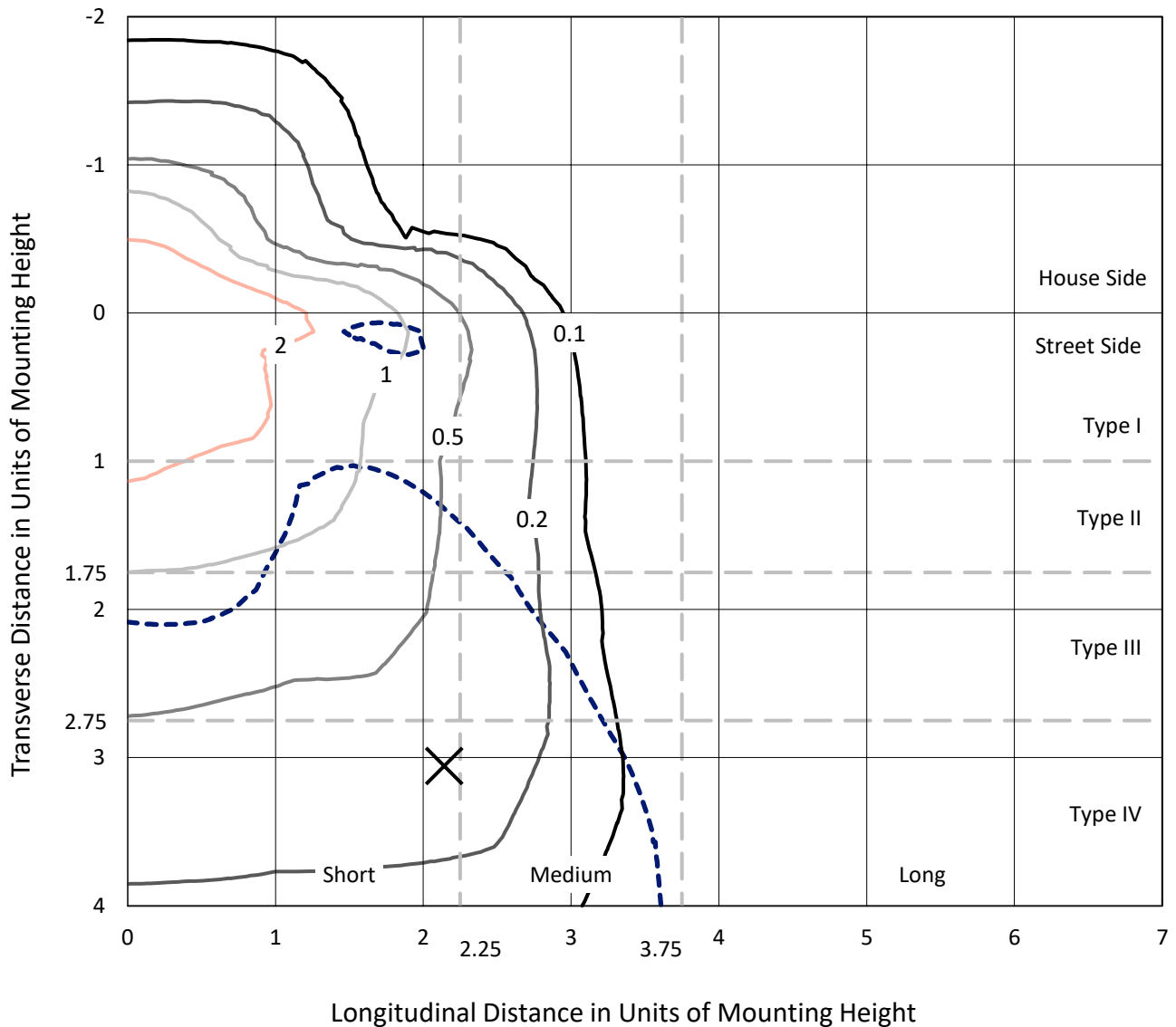
Lumens per Lamp: N/A
Luminaire Lumens: 5497.1 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

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Iso-Footcandle Lines of Horizontal Illumination

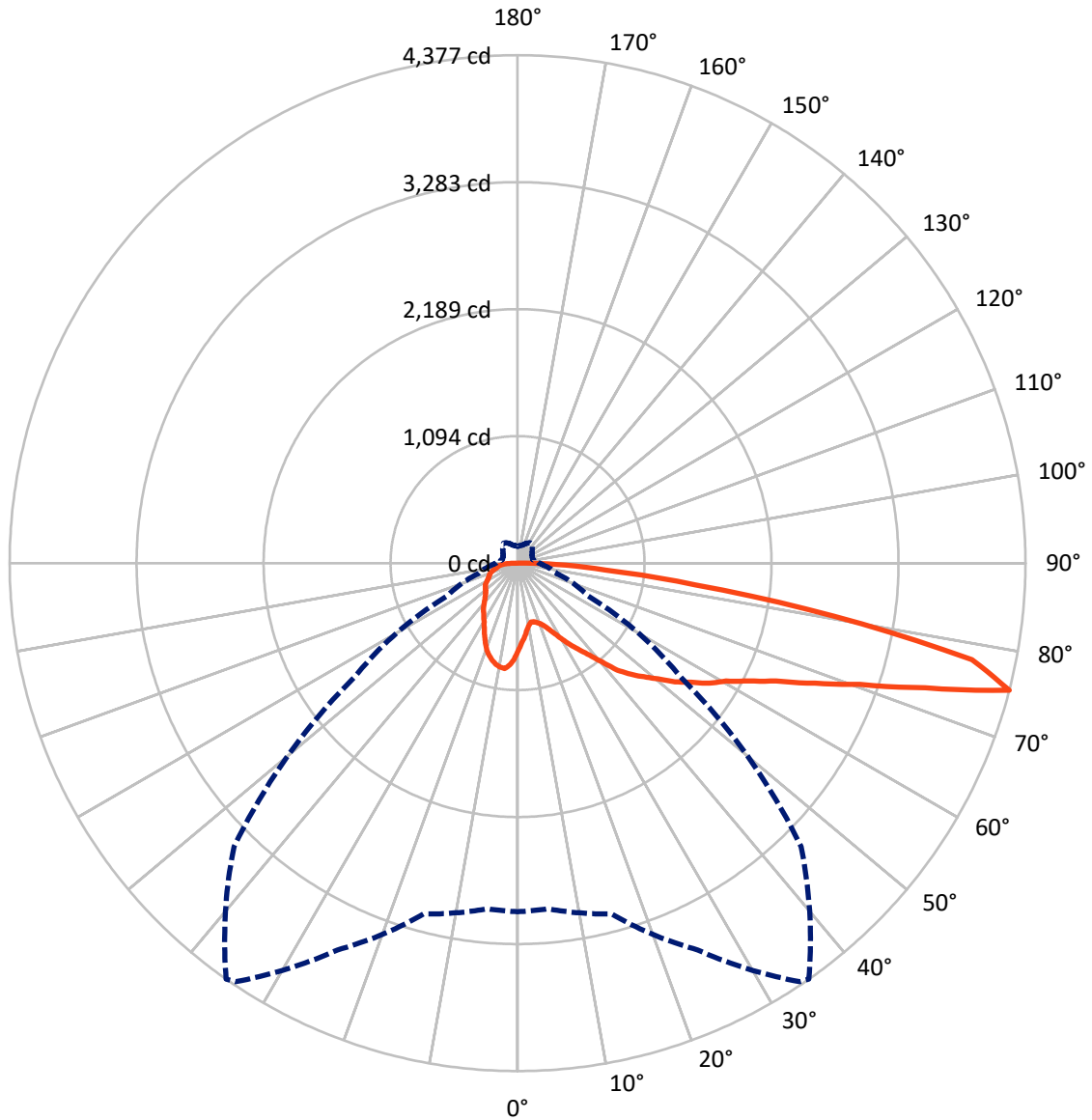
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1263.4	0.0	1263.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	4233.7	0.0	4233.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	5497.1	0.0	5497.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	1.3
10°-20°	208.3	3.8
20°-30°	345.6	6.3
30°-40°	512.3	9.3
40°-50°	738.7	13.4
50°-60°	1015.8	18.5
60°-70°	1254.7	22.8
70°-80°	1147.9	20.9
80°-90°	202.1	3.7
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°	5497.1	100.0
0°-180°	5497.1	100.0



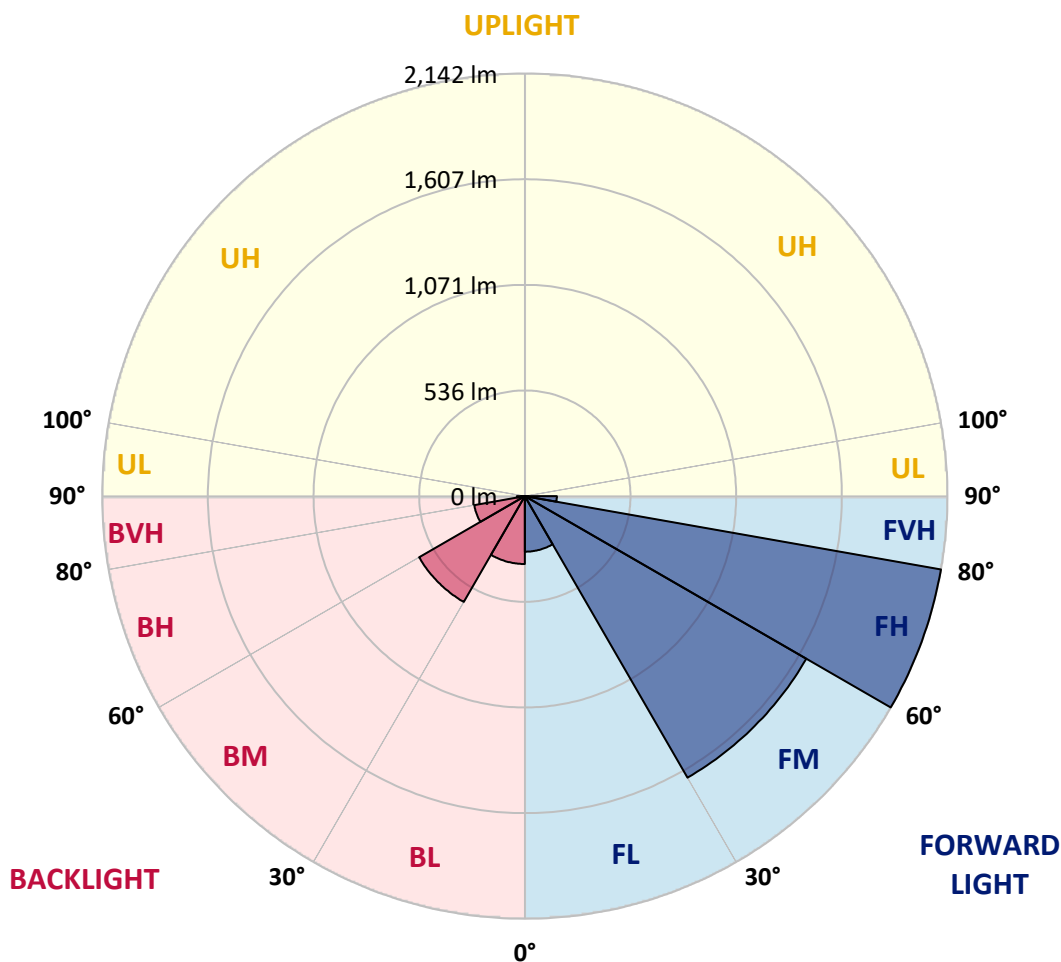
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.8	5.1			
FM (30°-60°)	1647.7	30.0			
FH (60°-80°)	2142.1	39.0			G2/5000
FVH (80°-90°)	162.2	3.0			G2/225
BL (0°-30°)	343.9	6.3	B1/500		
BM (30°-60°)	619.1	11.3	B1/1000		
BH (60°-80°)	260.5	4.7	B1/500		G1/500
BVH (80°-90°)	39.9	0.7			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1
2.5°	682.3	676.2	682.3	686.3	686.3	686.3	692.4	710.6	722.8	730.9	745.0
5°	611.4	613.4	617.5	627.6	633.7	637.7	647.9	670.1	688.3	714.7	745.0
7.5°	548.7	552.7	558.8	568.9	583.1	581.0	603.3	633.7	668.1	702.5	747.1
10°	516.3	524.4	526.4	528.4	542.6	542.6	572.9	607.4	649.9	694.4	747.1
12.5°	522.3	522.3	516.3	514.2	522.3	520.3	546.6	587.1	633.7	696.4	755.2
15°	540.6	540.6	528.4	516.3	528.4	524.4	546.6	579.0	633.7	698.5	771.4
17.5°	564.9	566.9	552.7	532.5	536.5	538.5	554.7	585.1	633.7	702.5	793.6
20°	613.4	603.3	581.0	548.7	562.8	556.8	581.0	607.4	645.8	718.7	826.0
22.5°	656.0	656.0	613.4	585.1	587.1	587.1	609.4	631.7	664.1	741.0	850.3
25°	724.8	720.7	668.1	625.6	629.6	631.7	643.8	670.1	694.4	753.1	880.7
27.5°	811.8	801.7	749.1	700.5	684.3	690.4	696.4	716.7	722.8	773.4	917.1
30°	905.0	890.8	846.3	769.3	761.2	763.3	753.1	765.3	757.2	805.8	953.6
32.5°	963.7	963.7	921.2	864.5	842.2	842.2	807.8	815.9	815.9	836.1	1018.4
35°	1014.3	1010.3	981.9	939.4	925.2	917.1	882.7	894.9	874.6	894.9	1109.5
37.5°	1091.2	1079.1	1066.9	1038.6	1010.3	1004.2	986.0	994.1	965.7	955.6	1212.7
40°	1180.3	1174.2	1162.1	1149.9	1121.6	1119.6	1099.3	1107.4	1077.1	1038.6	1316.0
42.5°	1311.9	1293.7	1255.2	1245.1	1251.2	1259.3	1251.2	1237.0	1182.3	1133.8	1427.3
45°	1443.5	1415.2	1342.3	1326.1	1372.6	1366.6	1401.0	1394.9	1305.8	1228.9	1544.7
47.5°	1528.5	1504.2	1445.5	1435.4	1455.7	1463.8	1567.0	1548.8	1407.1	1316.0	1658.1
50°	1589.3	1591.3	1514.4	1540.7	1567.0	1567.0	1696.6	1694.6	1530.6	1423.3	1805.9
52.5°	1678.4	1650.0	1617.6	1641.9	1678.4	1698.6	1858.5	1814.0	1607.5	1514.4	1971.9
55°	1724.9	1712.8	1684.4	1726.9	1803.9	1814.0	1984.1	1949.6	1694.6	1621.7	2142.0
57.5°	1743.1	1753.3	1799.8	1818.0	1925.4	1951.7	2097.4	2048.8	1775.5	1755.3	2273.6
60°	1824.1	1810.0	1872.7	1945.6	2048.8	2063.0	2239.2	2133.9	1854.5	1842.3	2316.1
62.5°	1988.1	1951.7	1986.1	2073.1	2216.9	2235.1	2389.0	2247.3	1888.9	1901.1	2314.1
65°	2227.0	2200.7	2150.1	2218.9	2421.4	2447.7	2565.1	2344.4	1878.8	1880.8	2150.1
67.5°	2508.4	2465.9	2413.3	2455.8	2702.8	2763.5	2779.7	2386.9	1807.9	1767.4	1749.2
70°	2755.4	2727.1	2692.7	2765.5	3109.7	3132.0	3047.0	2360.6	1611.5	1419.2	1166.1
72.5°	2986.2	2972.0	2992.3	3265.6	3660.4	3674.6	3298.0	2194.6	1273.4	860.4	542.6
75°	3004.4	2990.3	3130.0	3678.6	4350.8	4377.1	3453.9	1720.9	672.2	350.2	228.8
77.5°	2034.7	2077.2	2338.4	3221.1	3996.5	4002.5	2824.3	799.7	277.4	206.5	159.9
80°	500.1	554.7	880.7	1666.2	2694.7	2761.5	1546.8	269.3	182.2	157.9	119.4
82.5°	182.2	198.4	358.3	753.1	1514.4	1540.7	540.6	145.8	131.6	121.5	87.1
85°	87.1	89.1	170.1	370.5	765.3	757.2	194.4	87.1	95.2	83.0	52.6
87.5°	36.4	36.4	74.9	172.1	338.1	328.0	62.8	40.5	54.7	48.6	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1
2.5°	755.2	759.2	775.4	787.6	799.7	809.8	826.0	826.0	836.1	836.1	836.1
5°	753.1	775.4	801.7	830.1	848.3	866.5	882.7	884.7	890.8	898.9	900.9
7.5°	761.2	783.5	826.0	866.5	888.8	896.9	917.1	911.0	911.0	911.0	917.1
10°	777.4	801.7	860.4	896.9	913.1	915.1	909.0	905.0	892.8	888.8	882.7
12.5°	789.6	832.1	890.8	919.1	913.1	907.0	892.8	872.6	858.4	854.4	854.4
15°	819.9	862.5	917.1	927.2	917.1	884.7	866.5	844.2	832.1	813.9	822.0
17.5°	846.3	894.9	943.4	931.3	911.0	860.4	834.1	801.7	785.5	765.3	765.3
20°	880.7	925.2	967.7	935.3	890.8	836.1	793.6	753.1	730.9	710.6	714.7
22.5°	919.1	959.6	981.9	919.1	860.4	797.7	739.0	700.5	672.2	660.0	664.1
25°	949.5	994.1	990.0	892.8	824.0	749.1	684.3	647.9	641.8	629.6	629.6
27.5°	988.0	1034.5	983.9	860.4	763.3	672.2	631.7	617.5	617.5	611.4	615.5
30°	1038.6	1071.0	969.8	813.9	686.3	603.3	583.1	591.2	605.3	599.3	601.3
32.5°	1121.6	1117.6	957.6	761.2	605.3	536.5	550.7	566.9	579.0	585.1	589.1
35°	1202.6	1176.3	943.4	690.4	530.4	504.1	516.3	534.5	556.8	562.8	564.9
37.5°	1283.6	1237.0	919.1	603.3	483.9	475.8	487.9	498.0	516.3	520.3	524.4
40°	1368.6	1277.5	876.6	518.3	445.4	445.4	453.5	455.5	465.6	471.7	475.8
42.5°	1443.5	1316.0	799.7	439.3	404.9	419.1	421.1	417.1	409.0	413.0	415.0
45°	1534.6	1358.5	710.6	382.6	374.5	392.8	396.8	380.6	366.4	358.3	354.3
47.5°	1623.7	1403.0	633.7	336.1	346.2	374.5	374.5	356.3	332.0	311.8	303.7
50°	1704.7	1447.6	570.9	307.7	317.9	360.4	364.4	330.0	303.7	279.4	275.3
52.5°	1840.3	1522.5	506.1	285.5	301.7	350.2	348.2	317.9	283.4	257.1	255.1
55°	1959.8	1597.4	421.1	263.2	285.5	336.1	342.1	305.7	259.1	234.8	230.8
57.5°	2046.8	1615.6	336.1	240.9	269.3	319.9	328.0	281.4	242.9	222.7	220.7
60°	2063.0	1544.7	273.3	222.7	247.0	297.6	303.7	267.2	230.8	214.6	210.6
62.5°	1988.1	1409.1	232.8	206.5	228.8	275.3	287.5	251.0	218.7	204.5	202.5
65°	1818.0	1210.7	204.5	192.3	216.6	259.1	273.3	238.9	208.5	196.4	194.4
67.5°	1439.5	929.3	182.2	182.2	200.4	242.9	263.2	230.8	198.4	190.3	188.3
70°	941.4	558.8	166.0	168.0	188.3	228.8	251.0	220.7	186.3	184.2	180.2
72.5°	404.9	257.1	147.8	153.9	170.1	204.5	232.8	206.5	172.1	166.0	159.9
75°	186.3	155.9	133.6	137.7	151.8	180.2	210.6	190.3	159.9	149.8	143.7
77.5°	131.6	113.4	111.4	119.4	129.6	155.9	186.3	178.2	147.8	139.7	135.6
80°	97.2	87.1	93.1	101.2	107.3	143.7	176.1	164.0	135.6	123.5	117.4
82.5°	68.8	64.8	72.9	81.0	87.1	125.5	162.0	143.7	113.4	103.3	93.1
85°	40.5	42.5	50.6	54.7	60.7	93.1	135.6	115.4	87.1	66.8	64.8
87.5°	18.2	18.2	24.3	26.3	30.4	54.7	91.1	72.9	54.7	42.5	40.5
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)