

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: P675128

Luminaire Tested: **CCW-SA-2A-740-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675128
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-740-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4FT distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

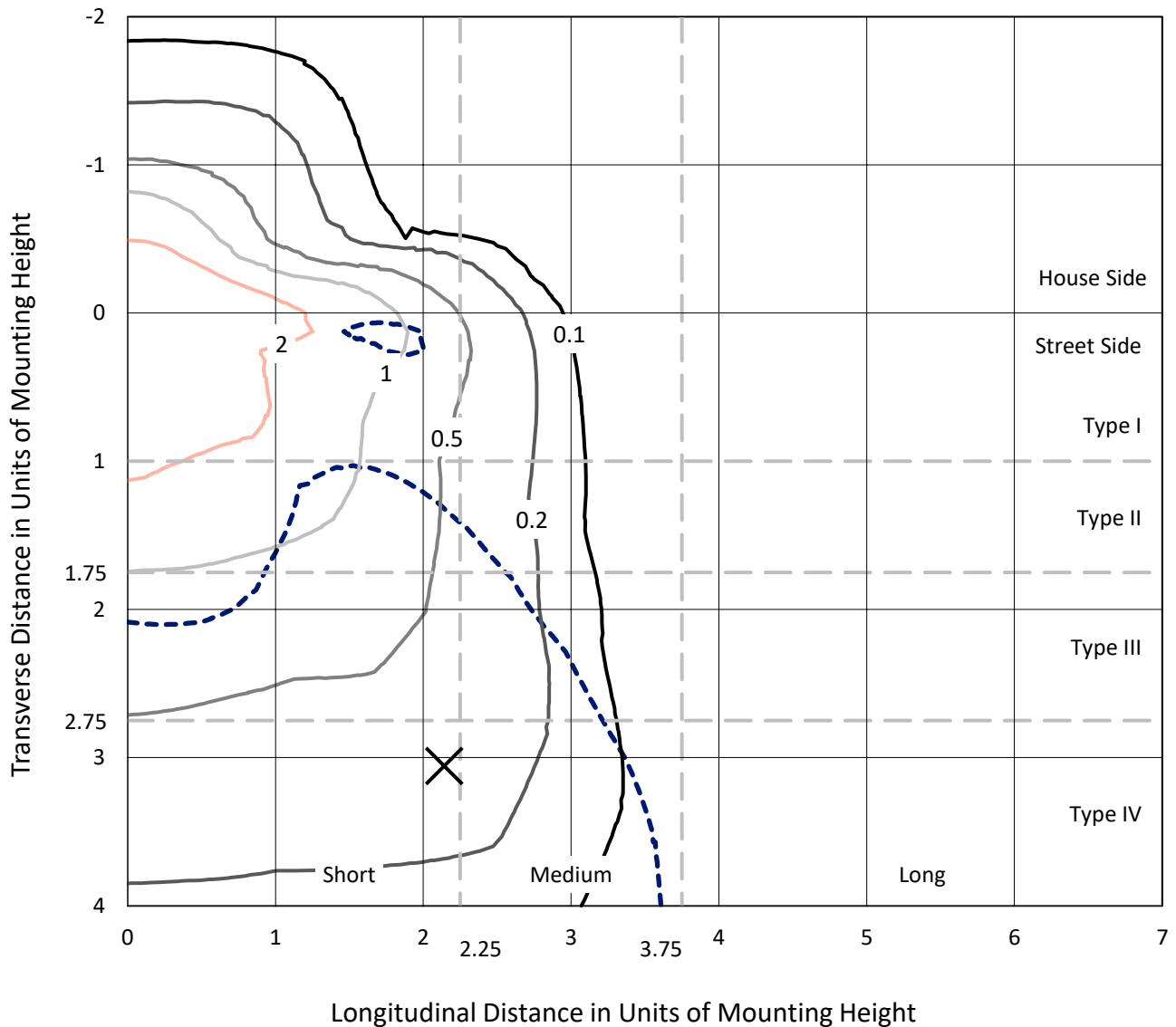
Lumens per Lamp: N/A
Luminaire Lumens: 5468.3 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

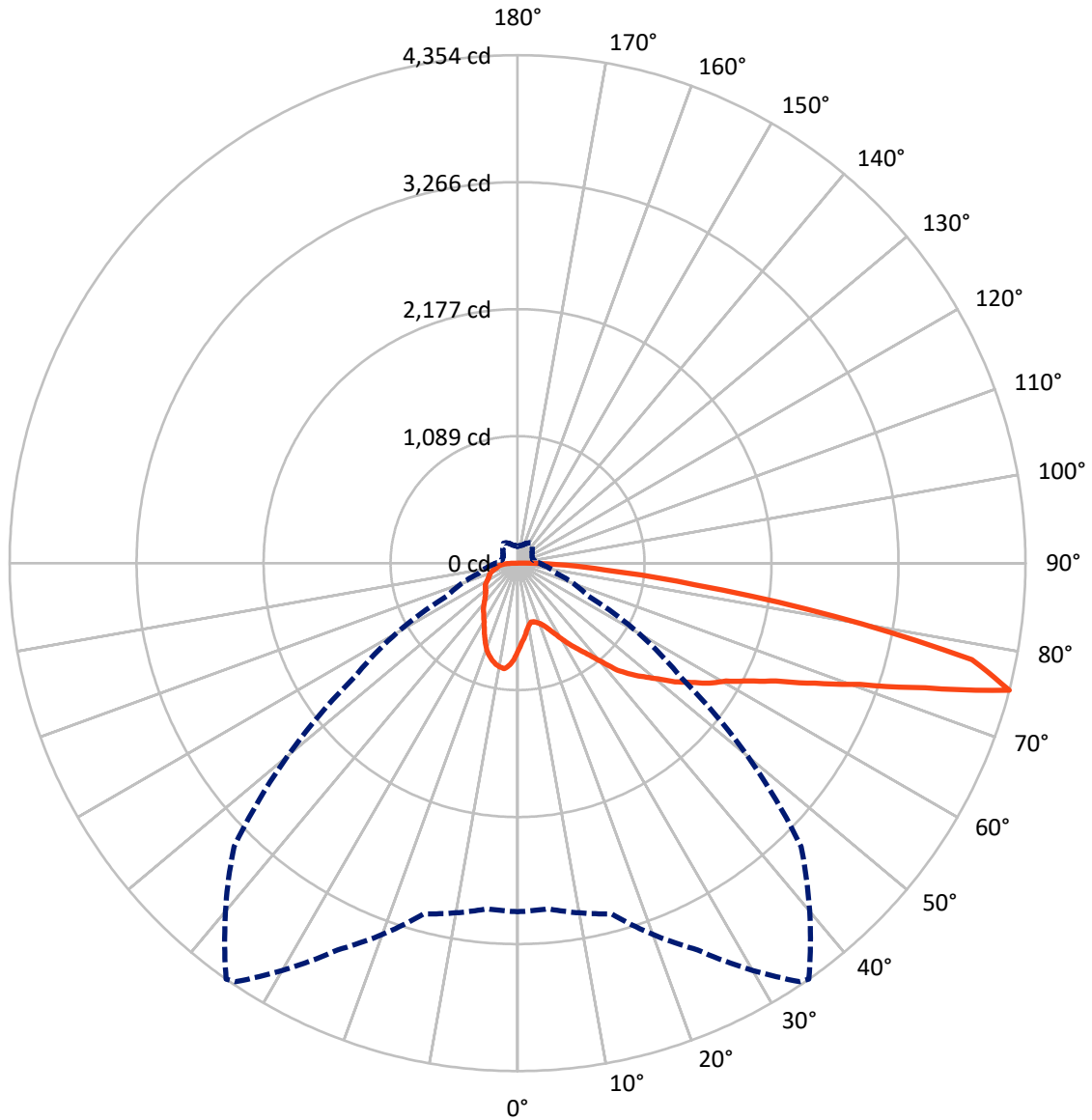
× Max cd
 - - - 1/2 Max cd



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	1256.8	0.0	1256.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	4211.5	0.0	4211.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	5468.3	0.0	5468.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	1.3
10°-20°	207.2	3.8
20°-30°	343.8	6.3
30°-40°	509.6	9.3
40°-50°	734.8	13.4
50°-60°	1010.5	18.5
60°-70°	1248.1	22.8
70°-80°	1141.9	20.9
80°-90°	201.0	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°	5468.3	100.0
0°-180°	5468.3	100.0



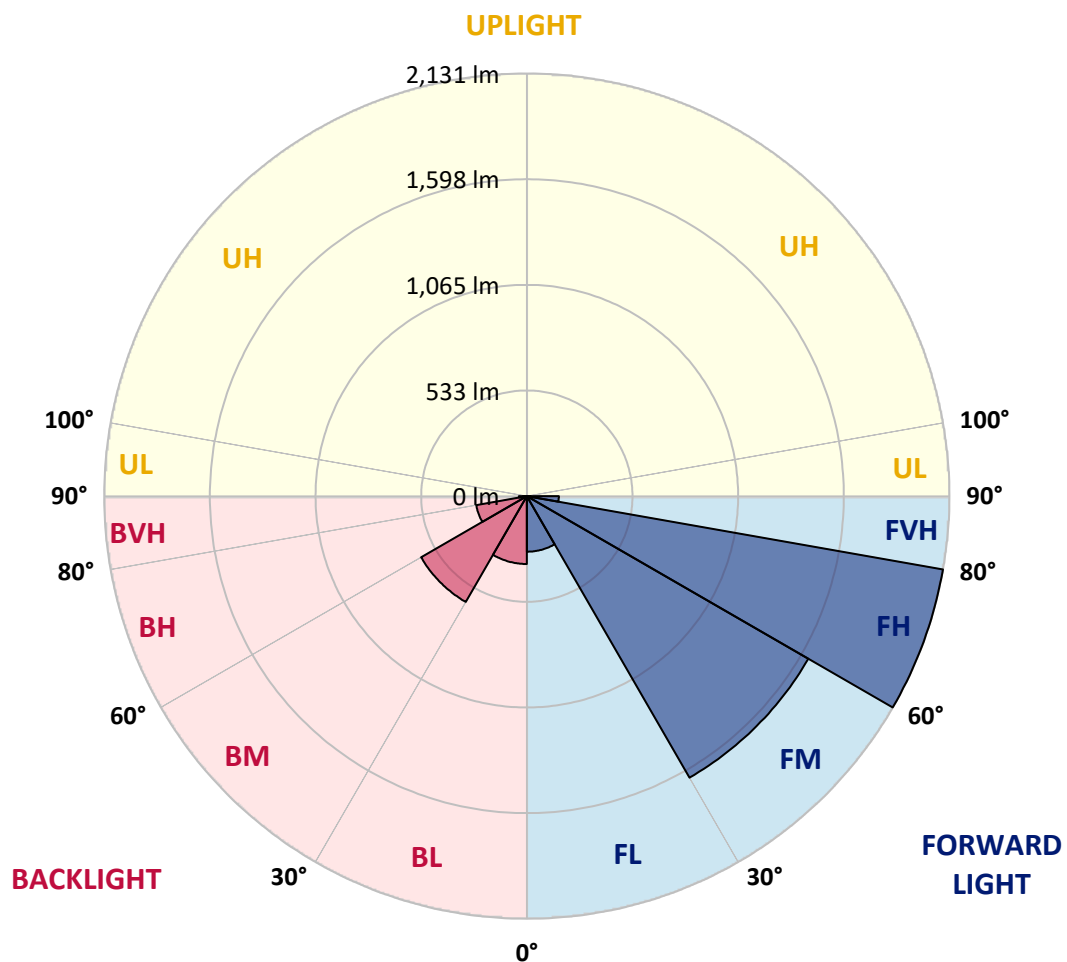
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.3	5.1			
FM (30°-60°)	1639.0	30.0			
FH (60°-80°)	2130.9	39.0			G2/5000
FVH (80°-90°)	161.3	3.0			G2/225
BL (0°-30°)	342.1	6.3	B1/500		
BM (30°-60°)	615.8	11.3	B1/1000		
BH (60°-80°)	259.1	4.7	B1/500		G1/500
BVH (80°-90°)	39.7	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°	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2
2.5°	678.7	672.7	678.7	682.7	682.7	682.7	688.8	706.9	719.0	727.0	741.1
5°	608.2	610.2	614.2	624.3	630.4	634.4	644.5	666.6	684.7	710.9	741.1
7.5°	545.8	549.8	555.8	565.9	580.0	578.0	600.2	630.4	664.6	698.8	743.1
10°	513.6	521.6	523.6	525.6	539.7	539.7	569.9	604.2	646.5	690.8	743.1
12.5°	519.6	519.6	513.6	511.5	519.6	517.6	543.8	584.0	630.4	692.8	751.2
15°	537.7	537.7	525.6	513.6	525.6	521.6	543.8	576.0	630.4	694.8	767.3
17.5°	561.9	563.9	549.8	529.7	533.7	535.7	551.8	582.0	630.4	698.8	789.5
20°	610.2	600.2	578.0	545.8	559.9	553.8	578.0	604.2	642.4	714.9	821.7
22.5°	652.5	652.5	610.2	582.0	584.0	584.0	606.2	628.3	660.6	737.1	845.9
25°	721.0	717.0	664.6	622.3	626.3	628.3	640.4	666.6	690.8	749.2	876.1
27.5°	807.6	797.5	745.2	696.8	680.7	686.8	692.8	712.9	719.0	769.3	912.3
30°	900.2	886.1	841.8	765.3	757.2	759.3	749.2	761.3	753.2	801.5	948.6
32.5°	958.6	958.6	916.3	859.9	837.8	837.8	803.6	811.6	811.6	831.8	1013.0
35°	1009.0	1005.0	976.8	934.5	920.4	912.3	878.1	890.2	870.0	890.2	1103.6
37.5°	1085.5	1073.4	1061.3	1033.1	1005.0	998.9	980.8	988.8	960.6	950.6	1206.3
40°	1174.1	1168.1	1156.0	1143.9	1115.7	1113.7	1093.6	1101.6	1071.4	1033.1	1309.1
42.5°	1305.0	1286.9	1248.6	1238.6	1244.6	1252.7	1244.6	1230.5	1176.1	1127.8	1419.8
45°	1435.9	1407.7	1335.2	1319.1	1365.4	1359.4	1393.6	1387.6	1299.0	1222.5	1536.6
47.5°	1520.5	1496.4	1437.9	1427.9	1448.0	1456.1	1558.8	1540.7	1399.7	1309.1	1649.4
50°	1580.9	1583.0	1506.4	1532.6	1558.8	1558.8	1687.7	1685.7	1522.5	1415.8	1796.4
52.5°	1669.5	1641.4	1609.1	1633.3	1669.5	1689.7	1848.8	1804.5	1599.1	1506.4	1961.6
55°	1715.9	1703.8	1675.6	1717.9	1794.4	1804.5	1973.7	1939.4	1685.7	1613.2	2130.7
57.5°	1734.0	1744.1	1790.4	1808.5	1915.2	1941.4	2086.4	2038.1	1766.2	1746.1	2261.6
60°	1814.6	1800.5	1862.9	1935.4	2038.1	2052.2	2227.4	2122.7	1844.8	1832.7	2303.9
62.5°	1977.7	1941.4	1975.7	2062.3	2205.3	2223.4	2376.4	2235.5	1879.0	1891.1	2301.9
65°	2215.3	2189.1	2138.8	2207.3	2408.7	2434.8	2551.7	2332.1	1868.9	1870.9	2138.8
67.5°	2495.3	2453.0	2400.6	2442.9	2688.6	2749.0	2765.1	2374.4	1798.4	1758.2	1740.0
70°	2741.0	2712.8	2678.5	2751.0	3093.4	3115.6	3031.0	2348.2	1603.1	1411.8	1160.0
72.5°	2970.5	2956.5	2976.6	3248.5	3641.2	3655.3	3280.7	2183.1	1266.8	855.9	539.7
75°	2988.7	2974.6	3113.5	3659.3	4327.9	4354.1	3435.8	1711.8	668.6	348.4	227.6
77.5°	2024.0	2066.3	2326.1	3204.2	3975.5	3981.5	2809.4	795.5	275.9	205.4	159.1
80°	497.4	551.8	876.1	1657.5	2680.5	2747.0	1538.6	267.9	181.3	157.1	118.8
82.5°	181.3	197.4	356.5	749.2	1506.4	1532.6	537.7	145.0	130.9	120.8	86.6
85°	86.6	88.6	169.2	368.5	761.3	753.2	193.3	86.6	94.7	82.6	52.4
87.5°	36.3	36.3	74.5	171.2	336.3	326.3	62.4	40.3	54.4	48.3	26.2
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°	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2
2.5°	751.2	755.2	771.3	783.4	795.5	805.6	821.7	821.7	831.8	831.8	831.8
5°	749.2	771.3	797.5	825.7	843.8	862.0	878.1	880.1	886.1	894.2	896.2
7.5°	757.2	779.4	821.7	862.0	884.1	892.2	912.3	906.3	906.3	906.3	912.3
10°	773.3	797.5	855.9	892.2	908.3	910.3	904.3	900.2	888.1	884.1	878.1
12.5°	785.4	827.7	886.1	914.3	908.3	902.2	888.1	868.0	853.9	849.9	849.9
15°	815.6	857.9	912.3	922.4	912.3	880.1	862.0	839.8	827.7	809.6	817.7
17.5°	841.8	890.2	938.5	926.4	906.3	855.9	829.7	797.5	781.4	761.3	761.3
20°	876.1	920.4	962.7	930.4	886.1	831.8	789.5	749.2	727.0	706.9	710.9
22.5°	914.3	954.6	976.8	914.3	855.9	793.5	735.1	696.8	668.6	656.5	660.6
25°	944.5	988.8	984.8	888.1	819.7	745.2	680.7	644.5	638.4	626.3	626.3
27.5°	982.8	1029.1	978.8	855.9	759.3	668.6	628.3	614.2	614.2	608.2	612.2
30°	1033.1	1065.4	964.7	809.6	682.7	600.2	580.0	588.1	602.2	596.1	598.1
32.5°	1115.7	1111.7	952.6	757.2	602.2	533.7	547.8	563.9	576.0	582.0	586.1
35°	1196.3	1170.1	938.5	686.8	527.7	501.5	513.6	531.7	553.8	559.9	561.9
37.5°	1276.8	1230.5	914.3	600.2	481.3	473.3	485.4	495.4	513.6	517.6	521.6
40°	1361.4	1270.8	872.0	515.6	443.1	443.1	451.1	453.1	463.2	469.2	473.3
42.5°	1435.9	1309.1	795.5	437.0	402.8	416.9	418.9	414.9	406.8	410.8	412.9
45°	1526.6	1351.3	706.9	380.6	372.6	390.7	394.7	378.6	364.5	356.5	352.4
47.5°	1615.2	1395.7	630.4	334.3	344.4	372.6	372.6	354.5	330.3	310.1	302.1
50°	1695.7	1440.0	567.9	306.1	316.2	358.5	362.5	328.3	302.1	277.9	273.9
52.5°	1830.7	1514.5	503.5	284.0	300.1	348.4	346.4	316.2	282.0	255.8	253.8
55°	1949.5	1589.0	418.9	261.8	284.0	334.3	340.4	304.1	257.8	233.6	229.6
57.5°	2036.1	1607.1	334.3	239.7	267.9	318.2	326.3	279.9	241.7	221.5	219.5
60°	2052.2	1536.6	271.9	221.5	245.7	296.0	302.1	265.8	229.6	213.5	209.4
62.5°	1977.7	1401.7	231.6	205.4	227.6	273.9	286.0	249.7	217.5	203.4	201.4
65°	1808.5	1204.3	203.4	191.3	215.5	257.8	271.9	237.6	207.4	195.4	193.3
67.5°	1431.9	924.4	181.3	181.3	199.4	241.7	261.8	229.6	197.4	189.3	187.3
70°	936.5	555.8	165.1	167.2	187.3	227.6	249.7	219.5	185.3	183.3	179.2
72.5°	402.8	255.8	147.0	153.1	169.2	203.4	231.6	205.4	171.2	165.1	159.1
75°	185.3	155.1	132.9	136.9	151.0	179.2	209.4	189.3	159.1	149.0	143.0
77.5°	130.9	112.8	110.8	118.8	128.9	155.1	185.3	177.2	147.0	139.0	134.9
80°	96.7	86.6	92.6	100.7	106.7	143.0	175.2	163.1	134.9	122.8	116.8
82.5°	68.5	64.4	72.5	80.6	86.6	124.9	161.1	143.0	112.8	102.7	92.6
85°	40.3	42.3	50.3	54.4	60.4	92.6	134.9	114.8	86.6	66.5	64.4
87.5°	18.1	18.1	24.2	26.2	30.2	54.4	90.6	72.5	54.4	42.3	40.3
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)