

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: P675251

Luminaire Tested: **CCW-SA-2B-730-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675251
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-730-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T4W distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

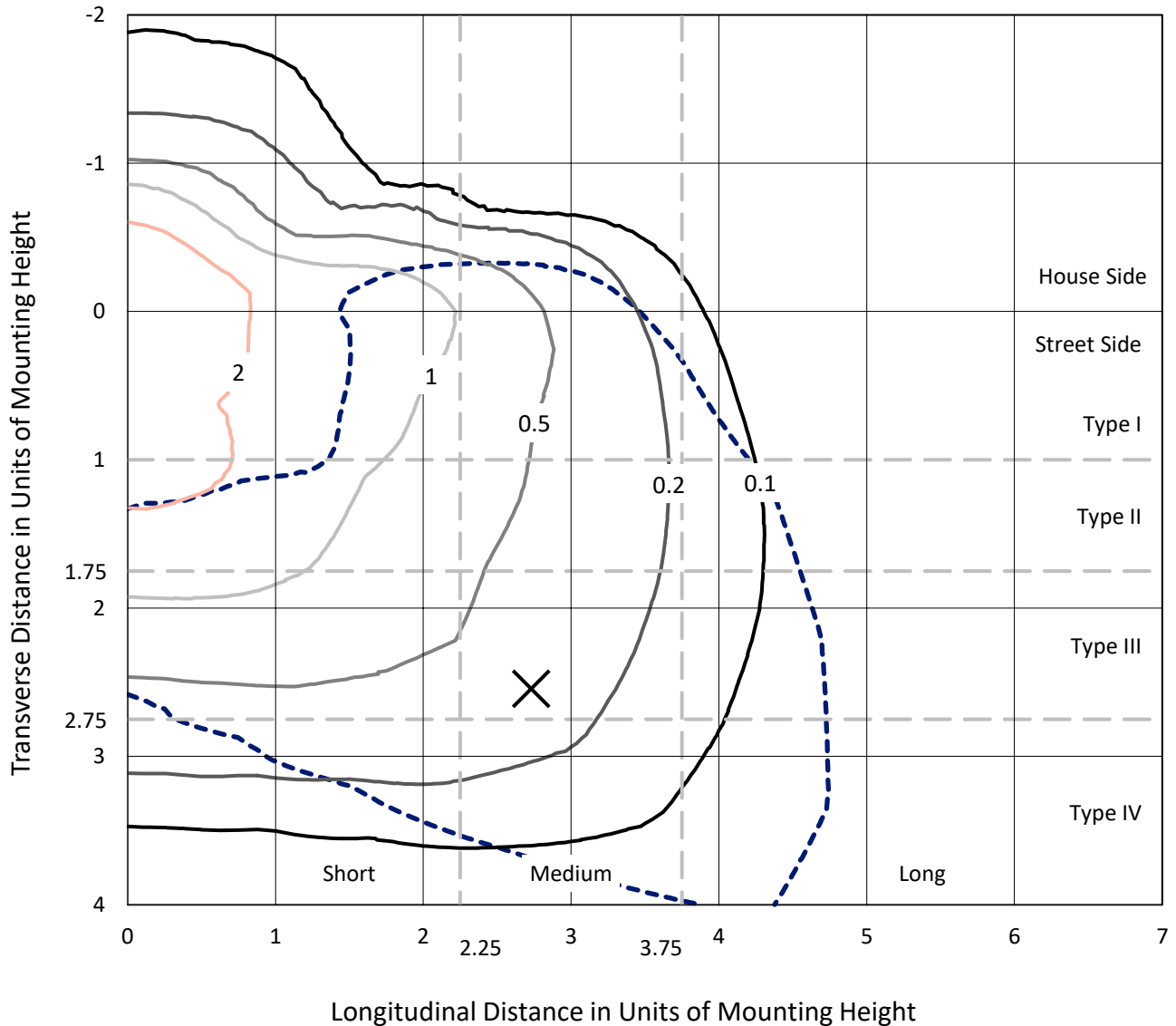
Lumens per Lamp: N/A
Luminaire Lumens: 6344.3 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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: P675251
 CATALOG NUMBER: CCW-SA-2B-730-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

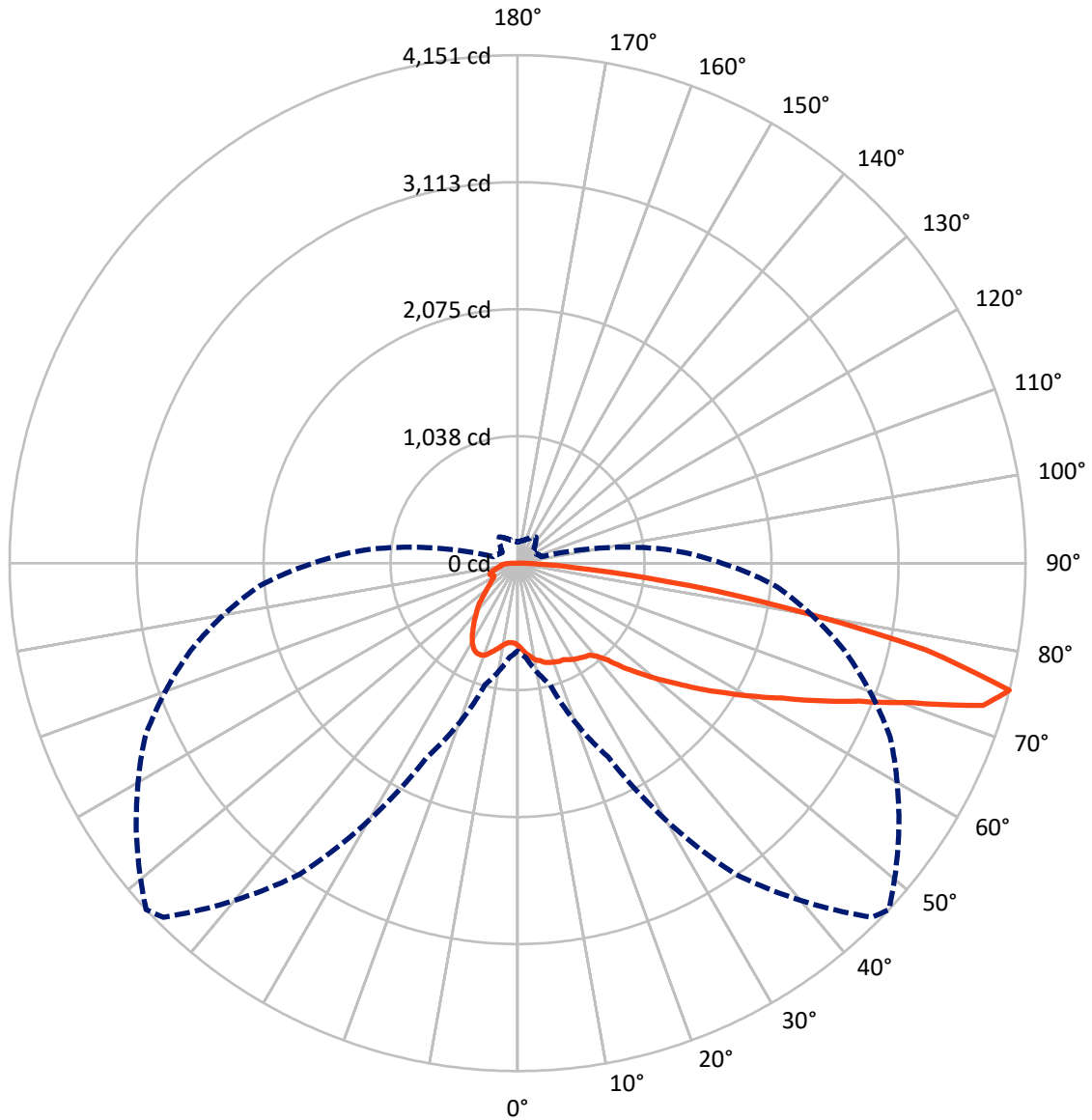
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P675251
CATALOG NUMBER: CCW-SA-2B-730-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1517.2	0.0	1517.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4827.1	0.0	4827.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	6344.3	0.0	6344.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.1
10°-20°	226.1	3.6
20°-30°	387.3	6.1
30°-40°	542.0	8.5
40°-50°	755.7	11.9
50°-60°	1129.5	17.8
60°-70°	1628.5	25.7
70°-80°	1386.2	21.8
80°-90°	220.8	3.5
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°	6344.3	100.0
0°-180°	6344.3	100.0



REPORT NUMBER: P675251

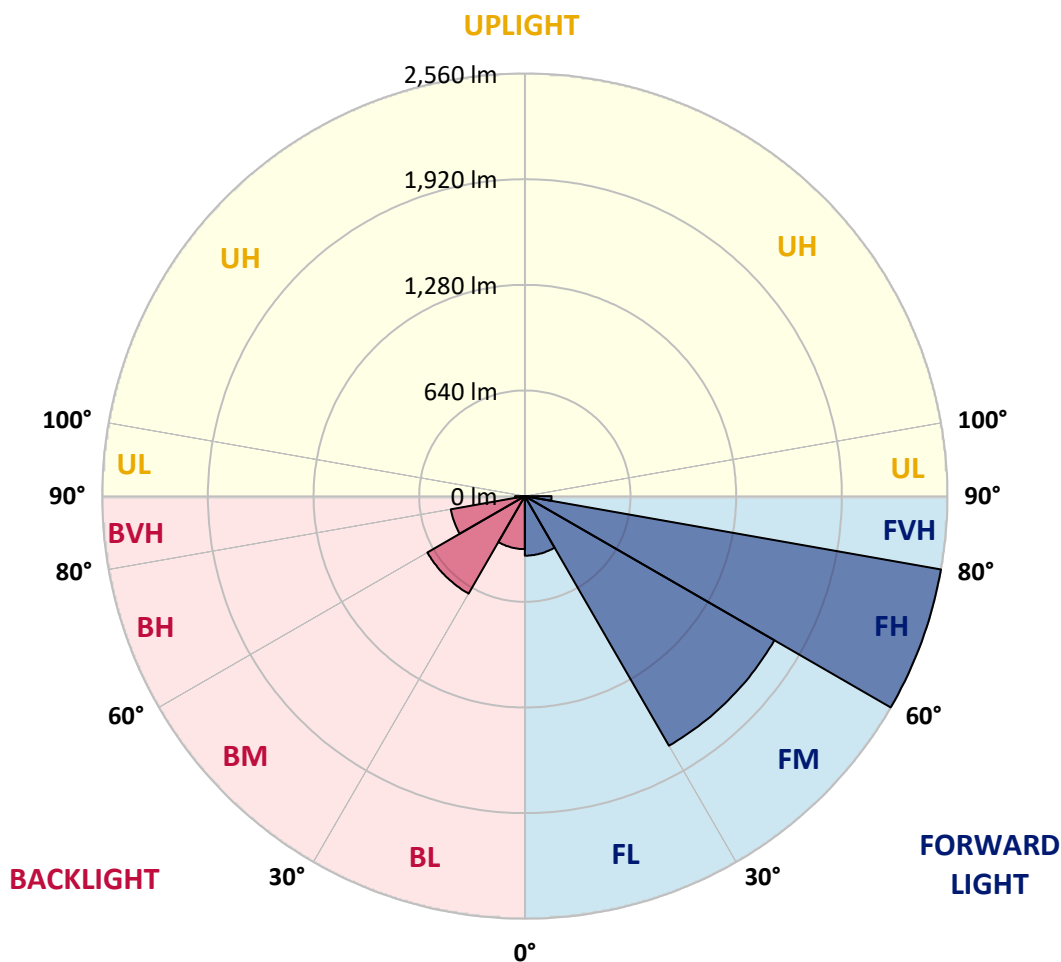
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.5	5.7			
FM (30°-60°)	1745.3	27.5			
FH (60°-80°)	2559.5	40.3			G2/5000
FVH (80°-90°)	161.8	2.6			G2/225
BL (0°-30°)	321.1	5.1	B1/500		
BM (30°-60°)	681.9	10.7	B1/1000		
BH (60°-80°)	455.2	7.2	B1/500		G1/500
BVH (80°-90°)	59.0	0.9			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 Medium





REPORT NUMBER: P675251

CATALOG NUMBER: CCW-SA-2B-730-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6
2.5°	722.2	724.6	724.6	719.9	715.3	706.0	706.0	696.8	692.1	680.6	675.9
5°	789.4	782.4	775.5	773.2	761.6	745.4	743.1	733.8	708.4	696.8	680.6
7.5°	838.0	835.7	833.4	824.1	803.3	777.8	770.9	757.0	731.5	708.4	689.8
10°	877.3	886.6	877.3	856.5	835.7	807.9	805.6	780.1	757.0	729.2	706.0
12.5°	921.3	923.6	907.4	882.0	849.6	826.4	817.2	807.9	782.4	759.3	724.6
15°	951.4	946.8	935.2	900.5	863.4	840.3	842.6	831.0	803.3	787.1	750.0
17.5°	951.4	951.4	932.9	907.4	875.0	854.2	854.2	847.2	828.7	805.6	780.1
20°	932.9	932.9	921.3	907.4	870.4	865.8	861.1	856.5	856.5	835.7	798.6
22.5°	909.7	905.1	909.7	886.6	861.1	865.8	872.7	870.4	863.4	844.9	819.5
25°	886.6	888.9	893.5	877.3	854.2	875.0	872.7	884.3	879.7	865.8	844.9
27.5°	884.3	888.9	891.2	875.0	865.8	884.3	893.5	905.1	907.4	893.5	868.1
30°	919.0	916.7	914.4	893.5	886.6	902.8	912.1	928.3	942.2	912.1	891.2
32.5°	1009.3	995.4	981.5	925.9	905.1	916.7	925.9	949.1	951.4	935.2	905.1
35°	1152.8	1143.5	1097.3	1000.0	942.2	930.6	939.8	956.0	960.7	949.1	925.9
37.5°	1317.2	1312.5	1247.7	1129.7	1018.5	963.0	953.7	976.9	995.4	969.9	937.5
40°	1479.2	1460.7	1414.4	1298.6	1115.8	1011.6	1000.0	1011.6	1018.5	1000.0	979.2
42.5°	1625.0	1604.2	1592.6	1476.9	1243.1	1092.6	1083.4	1055.6	1076.4	1053.3	1025.5
45°	1747.7	1743.1	1738.5	1638.9	1388.9	1224.6	1217.6	1145.9	1169.0	1150.5	1111.1
47.5°	1835.7	1856.5	1849.6	1794.0	1555.6	1365.8	1344.9	1252.3	1287.1	1268.6	1229.2
50°	1939.9	1951.4	1944.5	1907.5	1710.7	1527.8	1488.5	1393.6	1432.9	1430.6	1409.8
52.5°	2032.5	2067.2	2027.8	2025.5	1932.9	1703.7	1636.6	1546.3	1611.2	1636.6	1634.3
55°	2141.3	2169.0	2157.5	2152.8	2132.0	1875.0	1814.9	1706.1	1814.9	1851.9	1884.3
57.5°	2233.9	2231.5	2275.5	2328.8	2354.2	2071.8	2000.1	1872.7	2037.1	2078.8	2169.0
60°	2275.5	2314.9	2389.0	2523.2	2595.0	2282.5	2208.4	2106.5	2261.6	2294.0	2460.7
62.5°	2303.3	2338.0	2481.5	2708.4	2750.1	2497.7	2428.3	2326.4	2507.0	2530.2	2777.8
65°	2226.9	2259.3	2544.0	2777.8	2926.0	2729.2	2713.0	2606.5	2752.4	2766.3	3111.2
67.5°	2138.9	2173.7	2490.8	2865.8	3159.8	3037.1	3011.7	2884.3	2995.4	2979.2	3365.8
70°	1983.8	2030.1	2354.2	2942.2	3419.1	3467.7	3416.8	3236.2	3247.8	3095.0	3377.4
72.5°	1511.6	1541.7	1842.6	2639.0	3539.4	4064.9	3977.0	3615.8	3483.9	3118.1	2981.6
75°	717.6	773.2	1027.8	1745.4	3101.9	4092.7	4150.6	3803.3	3358.9	2766.3	2113.5
77.5°	208.3	208.3	312.5	740.8	1944.5	3298.7	3407.5	3229.2	2770.9	2048.7	1111.1
80°	113.4	120.4	164.4	261.6	854.2	2081.1	2238.5	2141.3	1632.0	810.2	287.0
82.5°	64.8	67.1	108.8	157.4	388.9	1132.0	1224.6	1111.1	620.4	245.4	134.3
85°	37.0	39.4	62.5	104.2	231.5	416.7	453.7	393.5	250.0	164.4	67.1
87.5°	18.5	18.5	30.1	48.6	118.1	118.1	115.7	141.2	150.5	99.5	30.1
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: P675251
 CATALOG NUMBER: CCW-SA-2B-730-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6
2.5°	673.6	671.3	671.3	662.1	659.7	652.8	652.8	648.2	645.8	652.8	652.8
5°	675.9	664.4	662.1	652.8	655.1	650.5	659.7	655.1	652.8	652.8	650.5
7.5°	680.6	669.0	659.7	652.8	650.5	657.4	669.0	669.0	682.9	675.9	675.9
10°	692.1	685.2	673.6	669.0	669.0	675.9	689.8	699.1	710.7	710.7	703.7
12.5°	719.9	708.4	694.5	687.5	696.8	703.7	717.6	726.9	740.8	745.4	740.8
15°	740.8	729.2	724.6	719.9	726.9	736.1	747.7	757.0	773.2	777.8	775.5
17.5°	768.5	754.6	752.3	754.6	759.3	766.2	773.2	780.1	791.7	791.7	791.7
20°	782.4	777.8	775.5	782.4	791.7	800.9	796.3	791.7	789.4	794.0	791.7
22.5°	807.9	803.3	805.6	812.5	812.5	807.9	800.9	784.7	780.1	784.7	780.1
25°	831.0	826.4	826.4	821.8	819.5	803.3	789.4	775.5	759.3	766.2	763.9
27.5°	854.2	851.9	851.9	833.4	810.2	782.4	763.9	747.7	738.4	750.0	743.1
30°	882.0	884.3	872.7	828.7	773.2	743.1	722.2	719.9	717.6	724.6	722.2
32.5°	907.4	909.7	891.2	821.8	745.4	687.5	666.7	669.0	680.6	692.1	703.7
35°	921.3	932.9	909.7	798.6	689.8	625.0	601.9	622.7	643.5	659.7	671.3
37.5°	946.8	976.9	937.5	773.2	641.2	569.5	553.3	560.2	585.7	611.1	622.7
40°	983.8	1018.5	944.5	724.6	576.4	513.9	504.6	507.0	516.2	532.4	544.0
42.5°	1048.6	1085.7	951.4	662.1	511.6	479.2	453.7	446.8	439.8	439.8	437.5
45°	1143.5	1178.3	942.2	583.3	446.8	423.6	405.1	388.9	370.4	340.3	344.9
47.5°	1282.4	1310.2	949.1	513.9	386.6	368.1	354.2	335.7	307.9	275.5	273.2
50°	1493.1	1451.4	939.8	442.1	342.6	326.4	314.8	289.4	257.0	233.8	231.5
52.5°	1738.5	1655.1	930.6	382.0	305.6	291.7	282.4	254.6	224.5	213.0	210.7
55°	2034.8	1914.4	944.5	328.7	277.8	266.2	257.0	231.5	208.3	199.1	196.8
57.5°	2384.3	2194.5	1020.9	287.0	247.7	243.1	240.7	219.9	199.1	192.1	189.8
60°	2713.0	2463.0	1071.8	257.0	219.9	224.5	229.2	219.9	196.8	192.1	192.1
62.5°	2988.5	2685.3	990.8	231.5	206.0	219.9	240.7	233.8	224.5	229.2	224.5
65°	3231.6	2761.6	740.8	217.6	199.1	231.5	266.2	263.9	243.1	247.7	245.4
67.5°	3273.2	2669.0	483.8	206.0	194.4	254.6	298.6	270.8	229.2	229.2	222.2
70°	3099.6	2421.4	324.1	194.4	192.1	254.6	305.6	254.6	215.3	215.3	206.0
72.5°	2544.0	1935.2	250.0	182.9	175.9	226.9	289.4	240.7	201.4	196.8	180.6
75°	1671.3	1247.7	203.7	173.6	152.8	199.1	261.6	222.2	192.1	178.2	171.3
77.5°	819.5	560.2	171.3	152.8	131.9	173.6	238.4	210.7	180.6	166.7	162.0
80°	224.5	201.4	143.5	134.3	111.1	150.5	224.5	201.4	169.0	155.1	148.2
82.5°	127.3	125.0	115.7	108.8	92.6	150.5	226.9	201.4	159.7	157.4	134.3
85°	69.4	74.1	83.3	81.0	71.8	134.3	215.3	175.9	129.6	108.8	108.8
87.5°	27.8	34.7	41.7	46.3	48.6	99.5	162.0	134.3	99.5	83.3	83.3
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)