

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: P675326

Luminaire Tested: **CCW-SA-1F-835-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675326
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-835-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T4W distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

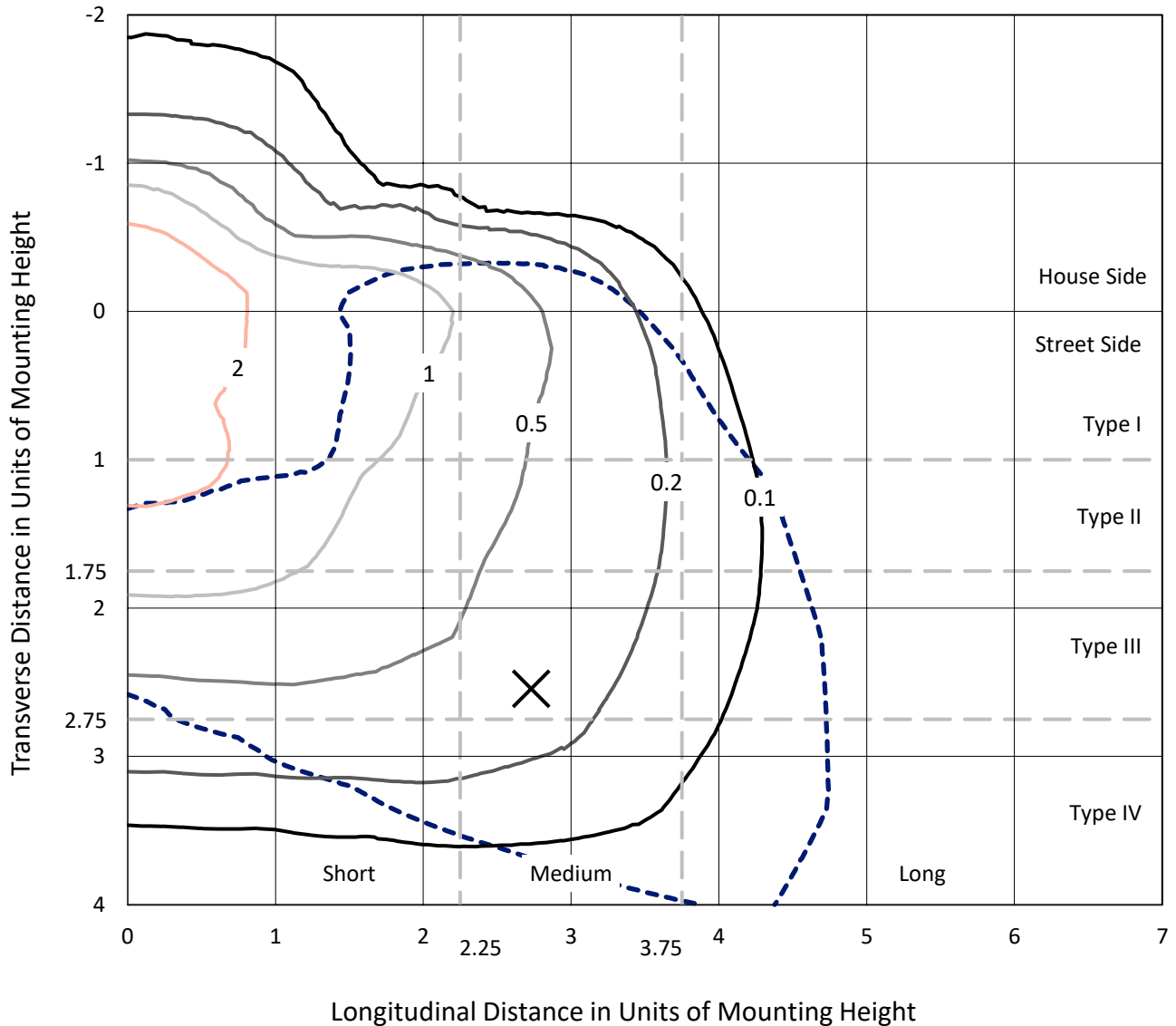
Lumens per Lamp: N/A
Luminaire Lumens: 6232.6 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

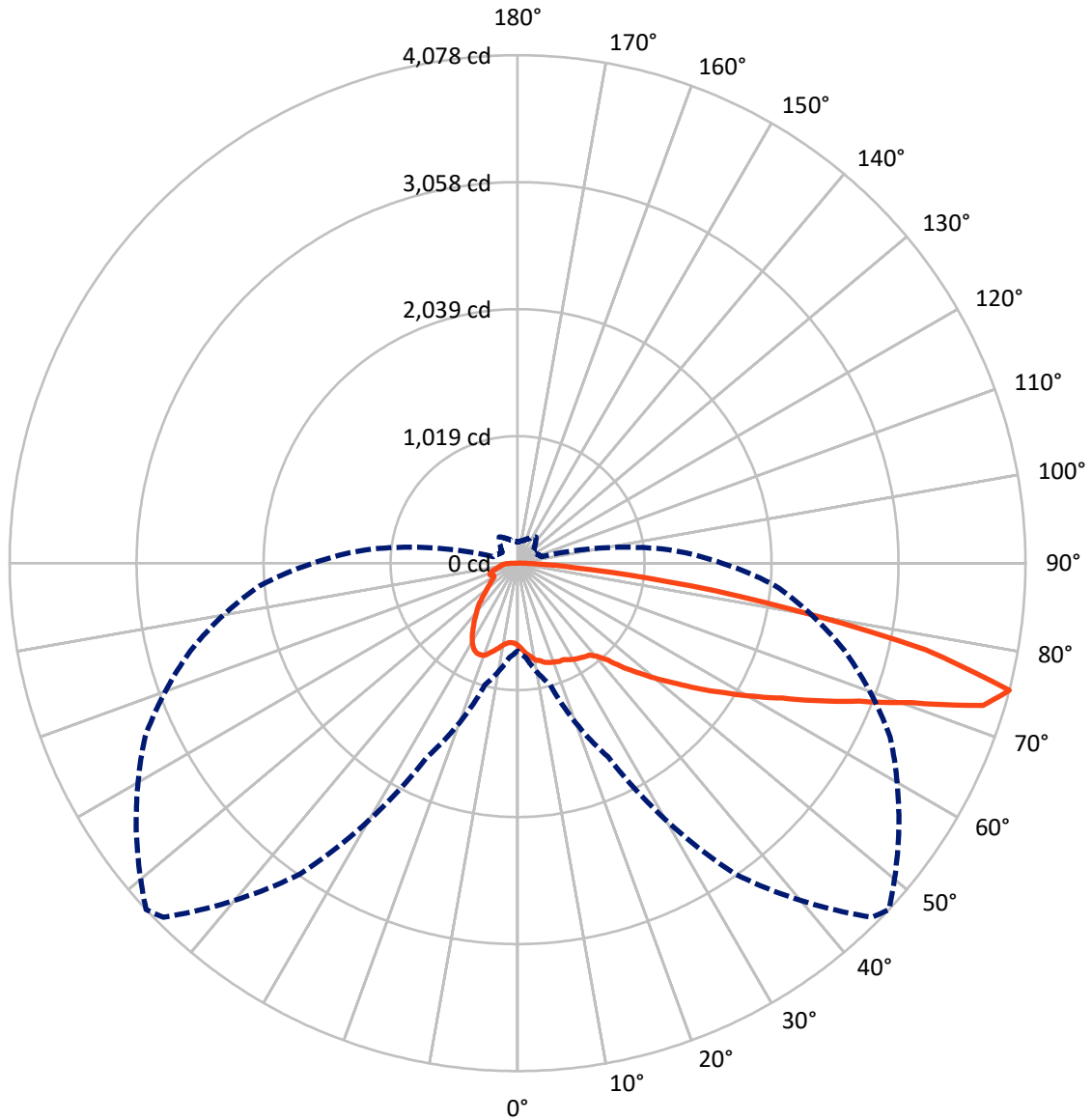
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Medium - N/A

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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	1490.5	0.0	1490.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4742.1	0.0	4742.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	6232.6	0.0	6232.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	1.1
10°-20°	222.2	3.6
20°-30°	380.5	6.1
30°-40°	532.4	8.5
40°-50°	742.4	11.9
50°-60°	1109.6	17.8
60°-70°	1599.8	25.7
70°-80°	1361.8	21.8
80°-90°	216.9	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°	6232.6	100.0
0°-180°	6232.6	100.0



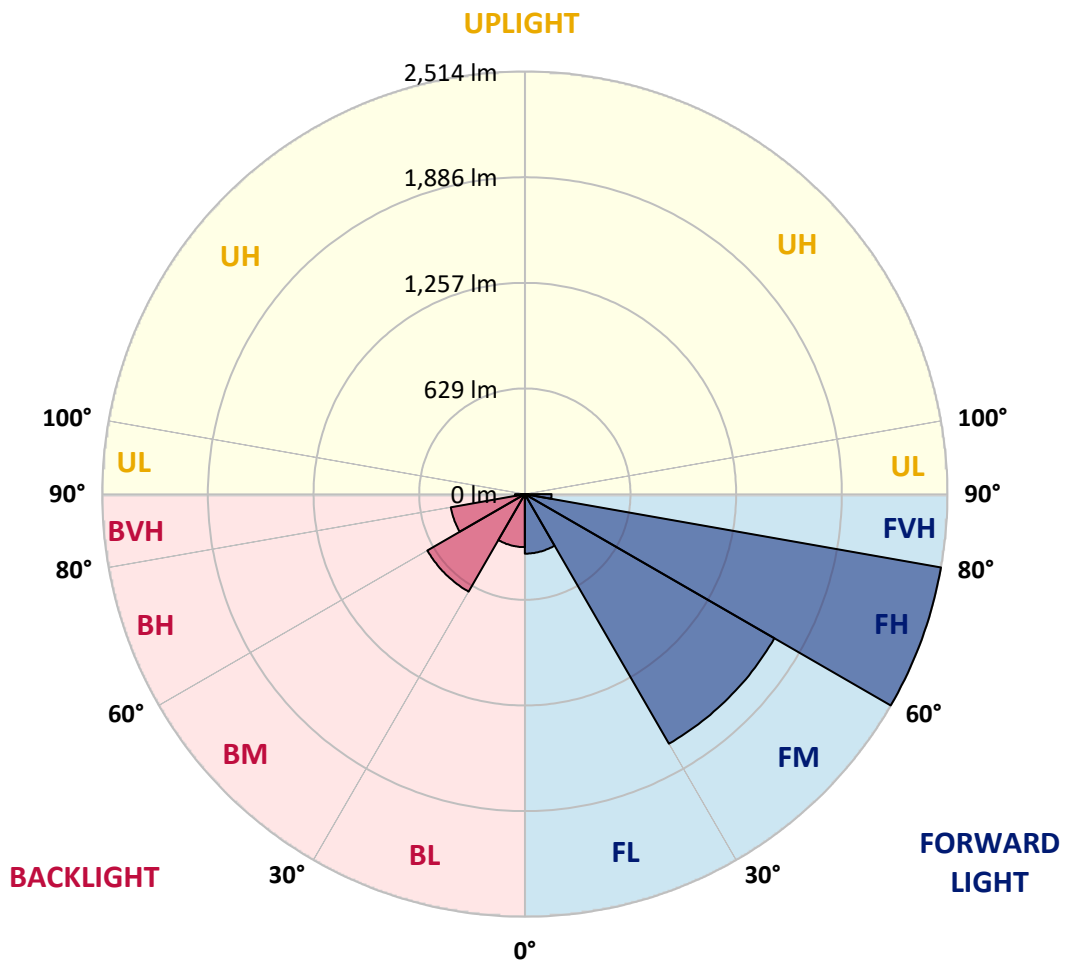
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.1	5.7			
FM (30°-60°)	1714.5	27.5			
FH (60°-80°)	2514.5	40.3			G2/5000
FVH (80°-90°)	158.9	2.6			G2/225
BL (0°-30°)	315.5	5.1	B1/500		
BM (30°-60°)	669.9	10.7	B1/1000		
BH (60°-80°)	447.2	7.2	B1/500		G1/500
BVH (80°-90°)	58.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	709.5	711.8	711.8	707.3	702.7	693.6	693.6	684.5	680.0	668.6	664.0
5°	775.5	768.7	761.8	759.6	748.2	732.3	730.0	720.9	695.9	684.5	668.6
7.5°	823.2	821.0	818.7	809.6	789.1	764.1	757.3	743.6	718.6	695.9	677.7
10°	861.9	871.0	861.9	841.4	821.0	793.7	791.4	766.4	743.6	716.3	693.6
12.5°	905.1	907.4	891.5	866.4	834.6	811.9	802.8	793.7	768.7	745.9	711.8
15°	934.7	930.1	918.7	884.6	848.2	825.5	827.8	816.4	789.1	773.2	736.8
17.5°	934.7	934.7	916.5	891.5	859.6	839.2	839.2	832.3	814.1	791.4	766.4
20°	916.5	916.5	905.1	891.5	855.1	850.5	846.0	841.4	841.4	821.0	784.6
22.5°	893.7	889.2	893.7	871.0	846.0	850.5	857.3	855.1	848.2	830.1	805.0
25°	871.0	873.3	877.8	861.9	839.2	859.6	857.3	868.7	864.2	850.5	830.1
27.5°	868.7	873.3	875.5	859.6	850.5	868.7	877.8	889.2	891.5	877.8	852.8
30°	902.8	900.6	898.3	877.8	871.0	886.9	896.0	911.9	925.6	896.0	875.5
32.5°	991.5	977.9	964.2	909.6	889.2	900.6	909.6	932.4	934.7	918.7	889.2
35°	1132.5	1123.4	1077.9	982.4	925.6	914.2	923.3	939.2	943.8	932.4	909.6
37.5°	1294.0	1289.4	1225.8	1109.8	1000.6	946.0	936.9	959.7	977.9	952.9	921.0
40°	1453.2	1435.0	1389.5	1275.8	1096.1	993.8	982.4	993.8	1000.6	982.4	962.0
42.5°	1596.4	1576.0	1564.6	1450.9	1221.2	1073.4	1064.3	1037.0	1057.5	1034.7	1007.4
45°	1717.0	1712.4	1707.9	1610.1	1364.5	1203.0	1196.2	1125.7	1148.4	1130.2	1091.6
47.5°	1803.4	1823.8	1817.0	1762.4	1528.2	1341.7	1321.3	1230.3	1264.4	1246.2	1207.6
50°	1905.7	1917.1	1910.3	1873.9	1680.6	1500.9	1462.3	1369.0	1407.7	1405.4	1384.9
52.5°	1996.7	2030.8	1992.1	1989.9	1898.9	1673.8	1607.8	1519.1	1582.8	1607.8	1605.5
55°	2103.6	2130.9	2119.5	2114.9	2094.5	1842.0	1782.9	1676.0	1782.9	1819.3	1851.1
57.5°	2194.5	2192.3	2235.5	2287.8	2312.8	2035.3	1964.8	1839.8	2001.2	2042.2	2130.9
60°	2235.5	2274.1	2346.9	2478.8	2549.3	2242.3	2169.5	2069.5	2221.8	2253.7	2417.4
62.5°	2262.8	2296.9	2437.9	2660.7	2701.7	2453.8	2385.6	2285.5	2462.9	2485.6	2728.9
65°	2187.7	2219.5	2499.3	2728.9	2874.5	2681.2	2665.3	2560.7	2703.9	2717.6	3056.4
67.5°	2101.3	2135.4	2447.0	2815.4	3104.2	2983.7	2958.6	2833.6	2942.7	2926.8	3306.6
70°	1948.9	1994.4	2312.8	2890.4	3358.9	3406.6	3356.6	3179.2	3190.6	3040.5	3317.9
72.5°	1485.0	1514.6	1810.2	2592.5	3477.1	3993.4	3906.9	3552.2	3422.6	3063.2	2929.1
75°	705.0	759.6	1009.7	1714.7	3047.3	4020.7	4077.5	3736.4	3299.8	2717.6	2076.3
77.5°	204.7	204.7	307.0	727.7	1910.3	3240.6	3347.5	3172.4	2722.1	2012.6	1091.6
80°	111.4	118.3	161.5	257.0	839.2	2044.4	2199.1	2103.6	1603.3	795.9	282.0
82.5°	63.7	65.9	106.9	154.6	382.1	1112.0	1203.0	1091.6	609.5	241.1	131.9
85°	36.4	38.7	61.4	102.3	227.4	409.3	445.7	386.6	245.6	161.5	65.9
87.5°	18.2	18.2	29.6	47.8	116.0	116.0	113.7	138.7	147.8	97.8	29.6
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°	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	661.8	659.5	659.5	650.4	648.1	641.3	641.3	636.8	634.5	641.3	641.3
5°	664.0	652.7	650.4	641.3	643.6	639.0	648.1	643.6	641.3	641.3	639.0
7.5°	668.6	657.2	648.1	641.3	639.0	645.9	657.2	657.2	670.9	664.0	664.0
10°	680.0	673.1	661.8	657.2	657.2	664.0	677.7	686.8	698.2	698.2	691.3
12.5°	707.3	695.9	682.2	675.4	684.5	691.3	705.0	714.1	727.7	732.3	727.7
15°	727.7	716.3	711.8	707.3	714.1	723.2	734.5	743.6	759.6	764.1	761.8
17.5°	755.0	741.4	739.1	741.4	745.9	752.7	759.6	766.4	777.8	777.8	777.8
20°	768.7	764.1	761.8	768.7	777.8	786.8	782.3	777.8	775.5	780.0	777.8
22.5°	793.7	789.1	791.4	798.2	798.2	793.7	786.8	770.9	766.4	770.9	766.4
25°	816.4	811.9	811.9	807.3	805.0	789.1	775.5	761.8	745.9	752.7	750.5
27.5°	839.2	836.9	836.9	818.7	795.9	768.7	750.5	734.5	725.4	736.8	730.0
30°	866.4	868.7	857.3	814.1	759.6	730.0	709.5	707.3	705.0	711.8	709.5
32.5°	891.5	893.7	875.5	807.3	732.3	675.4	654.9	657.2	668.6	680.0	691.3
35°	905.1	916.5	893.7	784.6	677.7	614.0	591.3	611.7	632.2	648.1	659.5
37.5°	930.1	959.7	921.0	759.6	629.9	559.4	543.5	550.3	575.4	600.4	611.7
40°	966.5	1000.6	927.8	711.8	566.3	504.9	495.8	498.0	507.1	523.0	534.4
42.5°	1030.2	1066.6	934.7	650.4	502.6	470.7	445.7	438.9	432.1	432.1	429.8
45°	1123.4	1157.5	925.6	573.1	438.9	416.2	398.0	382.1	363.9	334.3	338.8
47.5°	1259.9	1287.2	932.4	504.9	379.8	361.6	347.9	329.7	302.5	270.6	268.3
50°	1466.8	1425.9	923.3	434.4	336.6	320.7	309.3	284.3	252.4	229.7	227.4
52.5°	1707.9	1626.0	914.2	375.2	300.2	286.5	277.4	250.2	220.6	209.2	206.9
55°	1999.0	1880.7	927.8	322.9	272.9	261.5	252.4	227.4	204.7	195.6	193.3
57.5°	2342.3	2155.9	1002.9	282.0	243.3	238.8	236.5	216.0	195.6	188.8	186.5
60°	2665.3	2419.7	1052.9	252.4	216.0	220.6	225.1	216.0	193.3	188.8	188.8
62.5°	2935.9	2638.0	973.3	227.4	202.4	216.0	236.5	229.7	220.6	225.1	220.6
65°	3174.7	2713.0	727.7	213.8	195.6	227.4	261.5	259.3	238.8	243.3	241.1
67.5°	3215.6	2622.1	475.3	202.4	191.0	250.2	293.4	266.1	225.1	225.1	218.3
70°	3045.1	2378.7	318.4	191.0	188.8	250.2	300.2	250.2	211.5	211.5	202.4
72.5°	2499.3	1901.2	245.6	179.7	172.8	222.9	284.3	236.5	197.8	193.3	177.4
75°	1641.9	1225.8	200.1	170.6	150.1	195.6	257.0	218.3	188.8	175.1	168.3
77.5°	805.0	550.3	168.3	150.1	129.6	170.6	234.2	206.9	177.4	163.7	159.2
80°	220.6	197.8	141.0	131.9	109.2	147.8	220.6	197.8	166.0	152.4	145.5
82.5°	125.1	122.8	113.7	106.9	91.0	147.8	222.9	197.8	156.9	154.6	131.9
85°	68.2	72.8	81.9	79.6	70.5	131.9	211.5	172.8	127.4	106.9	106.9
87.5°	27.3	34.1	40.9	45.5	47.8	97.8	159.2	131.9	97.8	81.9	81.9
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)