

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: P674805

Luminaire Tested: **CCW-SA-1E-727-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674805
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-727-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T2 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

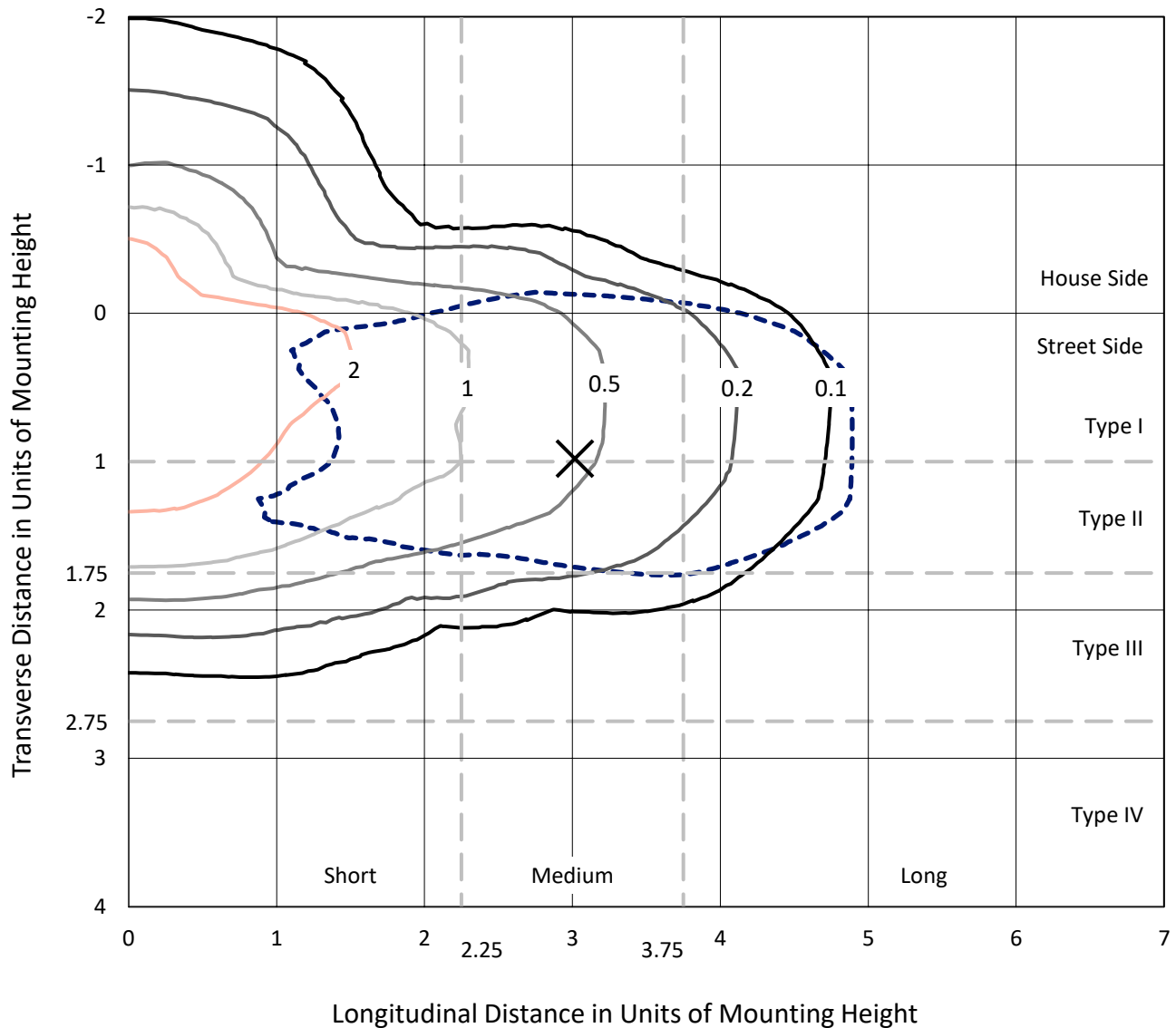
Lumens per Lamp: N/A
Luminaire Lumens: 5703.5 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

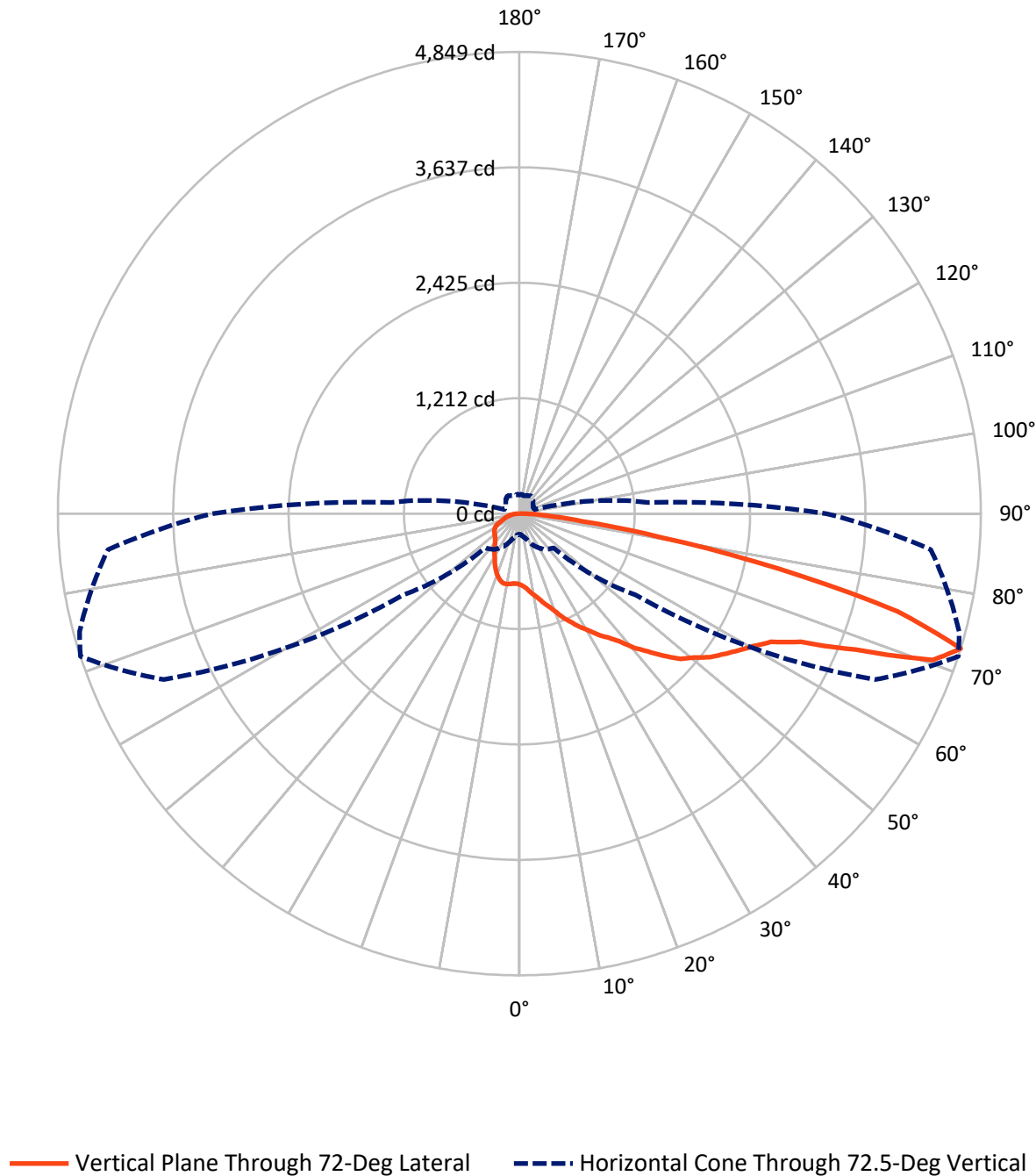
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.3	0.0	1200.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4503.2	0.0	4503.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	5703.5	0.0	5703.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	1.3
10°-20°	228.9	4.0
20°-30°	396.1	6.9
30°-40°	585.0	10.3
40°-50°	870.0	15.3
50°-60°	1192.7	20.9
60°-70°	1293.7	22.7
70°-80°	912.1	16.0
80°-90°	151.5	2.7
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°	5703.5	100.0
0°-180°	5703.5	100.0

Coefficient of Utilization



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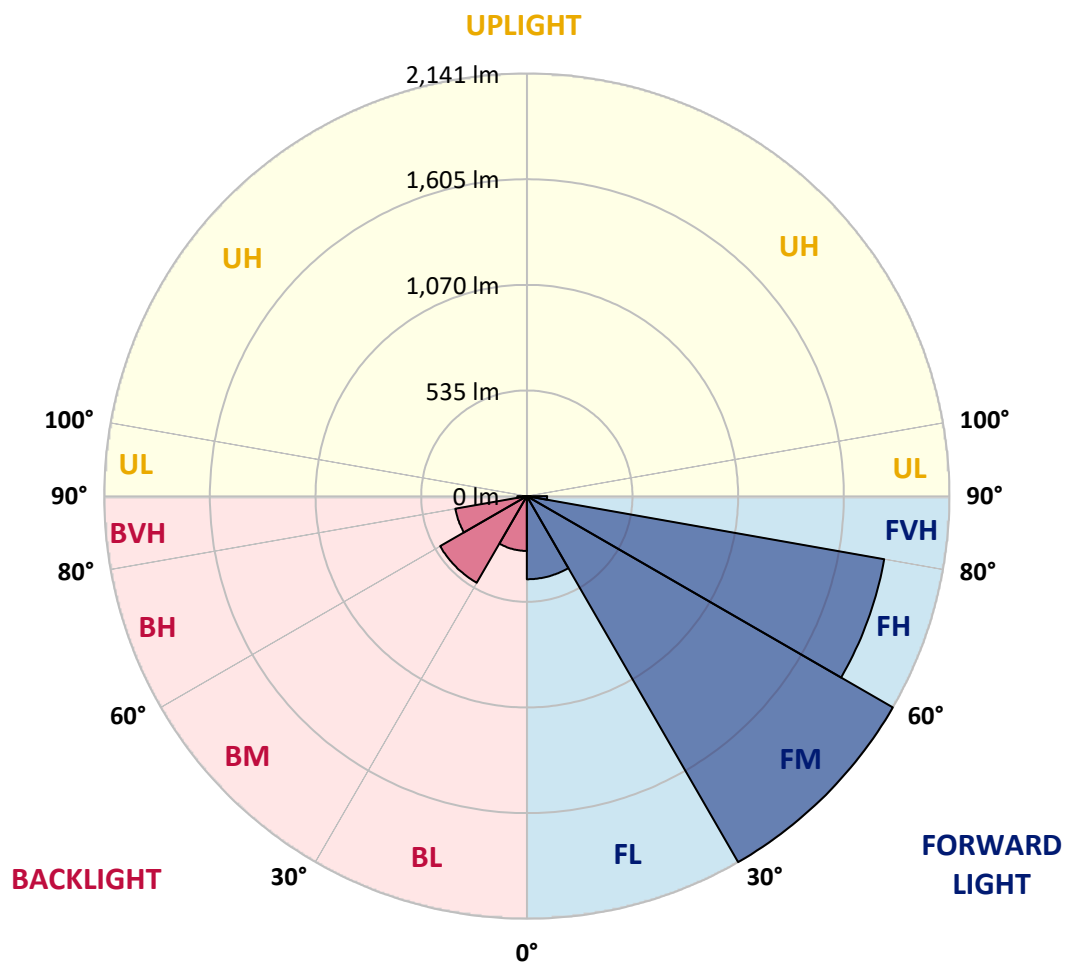
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.2	7.4			
FM	(30°-60°)	2140.7	37.5			
FH	(60°-80°)	1838.1	32.2			G2/5000
FVH	(80°-90°)	103.3	1.8			G2/225
BL	(0°-30°)	277.4	4.9	B1/500		
BM	(30°-60°)	507.0	8.9	B1/1000		
BH	(60°-80°)	367.7	6.4	B1/500		G1/500
BVH	(80°-90°)	48.2	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0
2.5°	804.0	804.0	797.7	795.6	795.6	778.7	780.8	770.3	761.9	761.9	753.5
5°	846.1	841.9	841.9	841.9	831.3	825.0	822.9	804.0	789.2	791.3	766.1
7.5°	856.6	858.7	860.8	871.3	865.0	869.2	865.0	844.0	833.4	822.9	799.8
10°	862.9	867.1	867.1	881.8	881.8	892.4	898.7	890.3	871.3	860.8	822.9
12.5°	877.6	871.3	879.7	890.3	900.8	919.7	938.7	930.2	917.6	905.0	862.9
15°	877.6	879.7	886.1	902.9	919.7	938.7	972.3	985.0	978.7	955.5	911.3
17.5°	852.4	846.1	875.5	907.1	938.7	961.8	1006.0	1035.5	1031.3	1022.9	955.5
20°	854.5	860.8	871.3	898.7	949.2	991.3	1046.0	1094.4	1104.9	1100.7	1014.4
22.5°	892.4	894.5	905.0	917.6	957.6	1012.3	1094.4	1172.3	1191.2	1180.7	1079.7
25°	930.2	947.1	947.1	955.5	970.2	1027.1	1126.0	1235.4	1262.8	1264.9	1147.0
27.5°	991.3	995.5	1008.1	1012.3	1025.0	1058.6	1161.8	1281.7	1344.9	1336.4	1208.1
30°	1062.8	1064.9	1073.4	1069.2	1071.3	1113.4	1195.4	1334.3	1420.6	1422.7	1273.3
32.5°	1147.0	1163.9	1168.1	1140.7	1144.9	1155.4	1248.0	1397.5	1515.3	1500.6	1330.1
35°	1271.2	1277.5	1264.9	1252.3	1220.7	1214.4	1302.8	1460.6	1597.4	1614.3	1414.3
37.5°	1424.8	1441.7	1424.8	1357.5	1323.8	1298.6	1370.1	1530.1	1696.3	1753.2	1498.5
40°	1568.0	1565.8	1549.0	1488.0	1429.0	1410.1	1466.9	1626.9	1850.0	1904.7	1620.6
42.5°	1683.7	1677.4	1666.9	1620.6	1565.8	1534.3	1578.5	1727.9	1978.4	2083.6	1761.6
45°	1784.7	1776.3	1778.4	1725.8	1673.2	1690.0	1690.0	1843.7	2129.9	2260.4	1923.6
47.5°	1879.4	1883.7	1877.3	1837.3	1797.4	1841.6	1818.4	1976.3	2279.3	2424.5	2060.4
50°	1988.9	1997.3	1976.3	1951.0	1915.2	1959.4	1930.0	2100.4	2376.1	2574.0	2224.6
52.5°	2092.0	2100.4	2119.4	2087.8	2052.0	2087.8	2020.5	2216.2	2504.5	2719.2	2350.9
55°	2117.3	2113.1	2218.3	2252.0	2270.9	2163.6	2100.4	2315.1	2605.5	2811.8	2494.0
57.5°	2001.5	2012.0	2155.1	2252.0	2454.0	2361.4	2190.9	2430.9	2710.8	2933.9	2626.6
60°	1713.2	1719.5	1898.4	2127.8	2422.4	2546.6	2435.1	2580.3	2826.5	3037.0	2776.0
62.5°	1144.9	1193.3	1416.4	1776.3	2199.3	2597.1	2824.4	2832.8	2967.5	3167.5	2980.2
65°	604.0	627.2	801.9	1092.3	1666.9	2422.4	3190.6	3333.7	3249.6	3407.4	3274.8
67.5°	395.7	404.1	498.8	663.0	961.8	1767.9	3232.7	4203.0	3815.7	3864.1	3746.3
70°	294.6	298.9	368.3	490.4	595.6	945.0	2649.7	4609.2	4607.1	4478.7	4306.1
72.5°	216.8	223.1	271.5	374.6	458.8	509.3	1490.1	4123.0	4849.1	4783.8	4339.8
75°	170.5	174.7	199.9	290.4	370.4	334.6	755.6	3053.8	4112.5	4426.1	3971.4
77.5°	138.9	143.1	157.8	210.5	296.8	258.9	362.0	1969.9	2788.6	3186.4	3039.1
80°	115.8	115.8	126.3	149.4	229.4	195.7	214.7	1107.0	1502.7	1658.5	1378.5
82.5°	98.9	96.8	105.2	109.4	170.5	141.0	138.9	500.9	660.9	700.8	517.7
85°	63.1	65.2	98.9	94.7	111.5	96.8	77.9	237.8	311.5	317.8	193.6
87.5°	25.3	25.3	42.1	52.6	63.1	58.9	37.9	107.3	136.8	136.8	54.7
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°	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0
2.5°	751.4	742.9	736.6	732.4	721.9	711.4	713.5	711.4	702.9	698.7	698.7
5°	759.8	751.4	740.8	724.0	713.5	700.8	705.1	696.6	688.2	694.5	684.0
7.5°	780.8	766.1	751.4	726.1	709.3	690.3	681.9	677.7	671.4	667.2	667.2
10°	810.3	789.2	761.9	724.0	696.6	667.2	663.0	654.5	648.2	648.2	646.1
12.5°	839.8	816.6	770.3	709.3	663.0	641.9	639.8	641.9	646.1	648.2	650.3
15°	877.6	839.8	768.2	681.9	635.6	627.2	637.7	646.1	654.5	663.0	660.9
17.5°	913.4	869.2	749.3	648.2	612.4	614.6	633.5	650.3	667.2	675.6	677.7
20°	961.8	896.6	721.9	608.2	589.3	608.2	633.5	654.5	673.5	684.0	686.1
22.5°	1016.5	928.1	686.1	572.5	570.4	589.3	614.6	646.1	667.2	686.1	684.0
25°	1064.9	949.2	639.8	543.0	547.2	559.8	589.3	623.0	644.0	665.1	658.8
27.5°	1096.5	953.4	591.4	521.9	521.9	534.6	561.9	583.0	601.9	618.8	620.9
30°	1132.3	945.0	536.7	494.6	494.6	511.4	521.9	534.6	545.1	549.3	553.5
32.5°	1174.4	926.0	503.0	473.5	473.5	486.2	492.5	488.3	486.2	475.6	482.0
35°	1214.4	898.7	465.1	446.2	454.6	460.9	458.8	446.2	433.6	414.6	408.3
37.5°	1262.8	871.3	431.5	416.7	431.5	433.6	433.6	418.8	402.0	378.8	378.8
40°	1336.4	850.3	404.1	397.8	412.5	410.4	399.9	389.4	395.7	383.0	383.0
42.5°	1414.3	841.9	378.8	380.9	387.3	389.4	378.8	366.2	391.5	376.7	378.8
45°	1511.1	848.2	362.0	359.9	374.6	372.5	366.2	355.7	364.1	326.2	315.7
47.5°	1601.6	860.8	353.6	345.2	362.0	366.2	357.8	334.6	322.0	298.9	294.6
50°	1683.7	888.2	345.2	328.3	345.2	353.6	338.8	313.6	298.9	284.1	284.1
52.5°	1761.6	928.1	341.0	309.4	324.1	334.6	326.2	301.0	284.1	277.8	271.5
55°	1841.6	963.9	334.6	296.8	301.0	322.0	319.9	286.2	269.4	269.4	267.3
57.5°	1955.2	1012.3	326.2	275.7	284.1	307.3	307.3	279.9	261.0	263.1	265.2
60°	2071.0	1069.2	317.8	254.7	261.0	292.5	296.8	271.5	254.7	256.8	254.7
62.5°	2256.2	1174.4	301.0	229.4	242.0	273.6	284.1	261.0	246.2	250.5	250.5
65°	2536.1	1355.4	265.2	208.4	223.1	256.8	271.5	250.5	233.6	246.2	242.0
67.5°	2986.5	1603.7	223.1	191.5	210.5	239.9	256.8	237.8	223.1	242.0	235.7
70°	3390.6	1725.8	191.5	176.8	191.5	221.0	239.9	225.2	210.5	229.4	221.0
72.5°	3226.4	1353.3	166.3	160.0	174.7	199.9	223.1	208.4	193.6	204.1	195.7
75°	2784.4	1077.6	145.2	143.1	155.7	181.0	204.1	193.6	178.9	183.1	178.9
77.5°	2111.0	890.3	124.2	122.1	132.6	162.1	183.1	174.7	160.0	157.8	157.8
80°	942.9	437.8	103.1	103.1	109.4	138.9	155.7	151.5	136.8	134.7	132.6
82.5°	309.4	166.3	84.2	80.0	88.4	115.8	138.9	134.7	120.0	115.8	111.5
85°	124.2	80.0	61.0	61.0	69.5	96.8	124.2	115.8	96.8	86.3	86.3
87.5°	42.1	33.7	31.6	31.6	44.2	65.2	92.6	77.9	69.5	61.0	63.1
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)