

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: P675226

Luminaire Tested: **CCW-SA-1E-722-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675226
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-722-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T4W distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5080.6 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

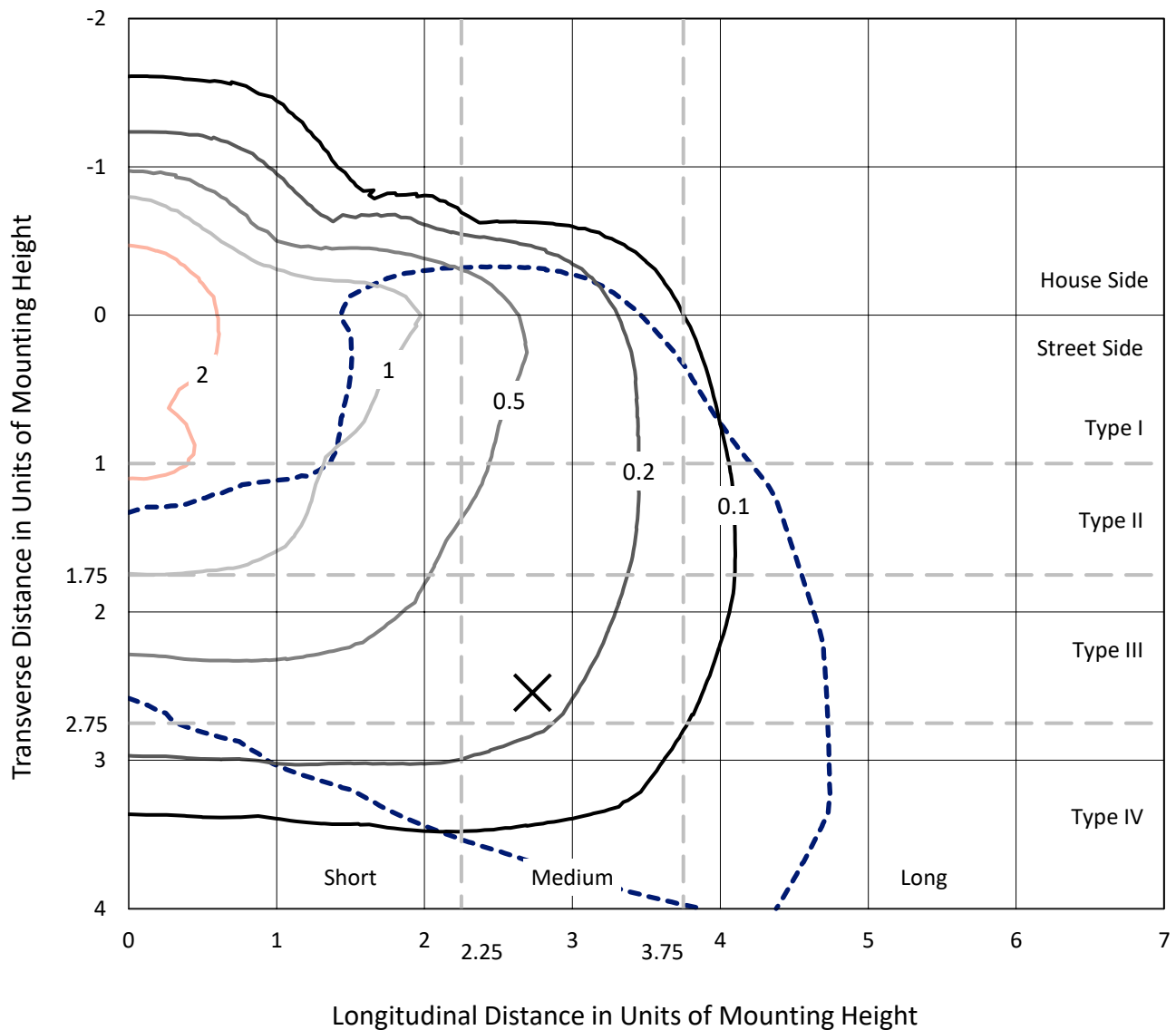
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

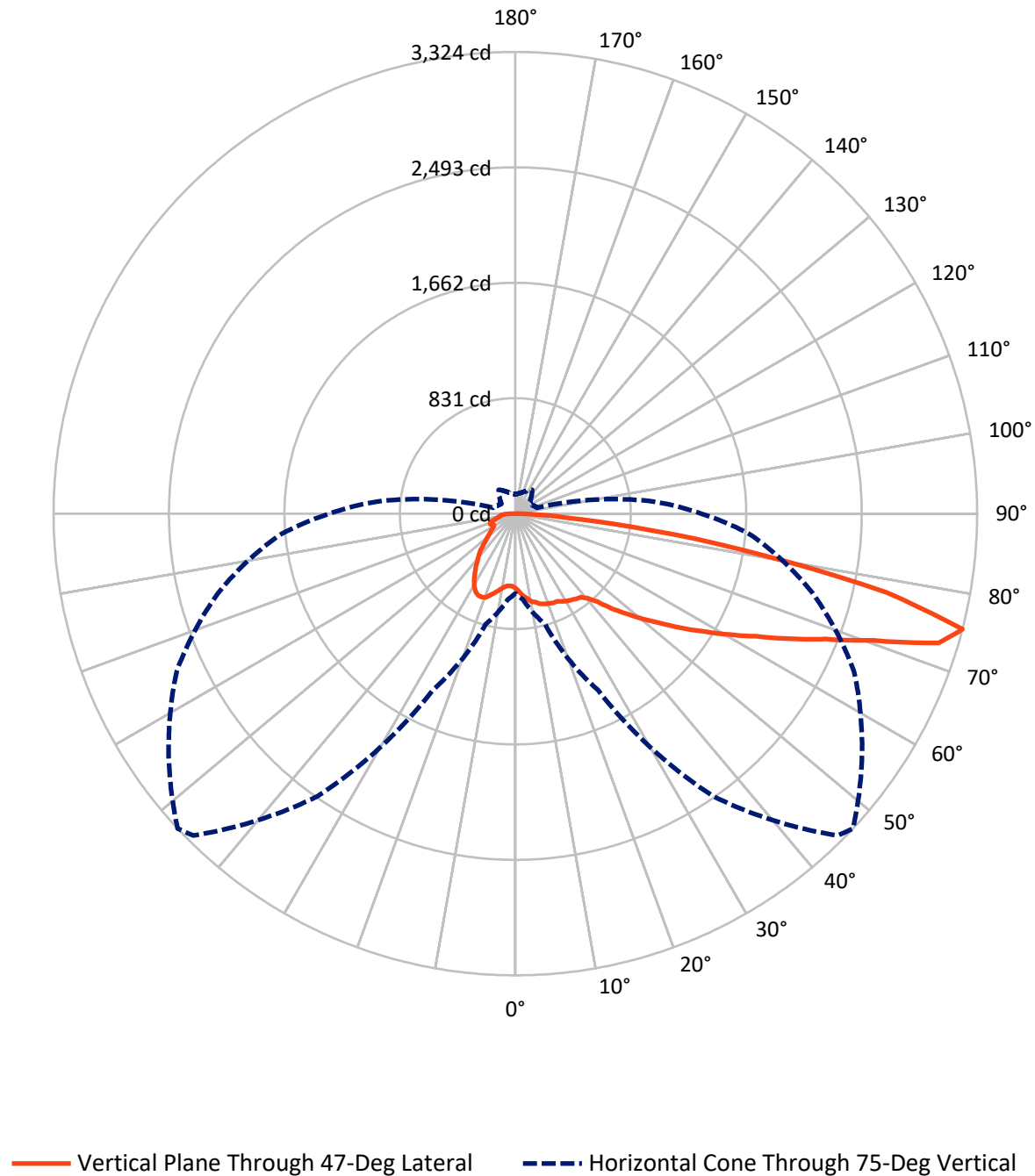
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1215.0	0.0	1215.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3865.6	0.0	3865.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	5080.6	0.0	5080.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	1.1
10°-20°	181.1	3.6
20°-30°	310.2	6.1
30°-40°	434.0	8.5
40°-50°	605.2	11.9
50°-60°	904.5	17.8
60°-70°	1304.1	25.7
70°-80°	1110.1	21.8
80°-90°	176.8	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°	5080.6	100.0
0°-180°	5080.6	100.0

Coefficient of Utilization



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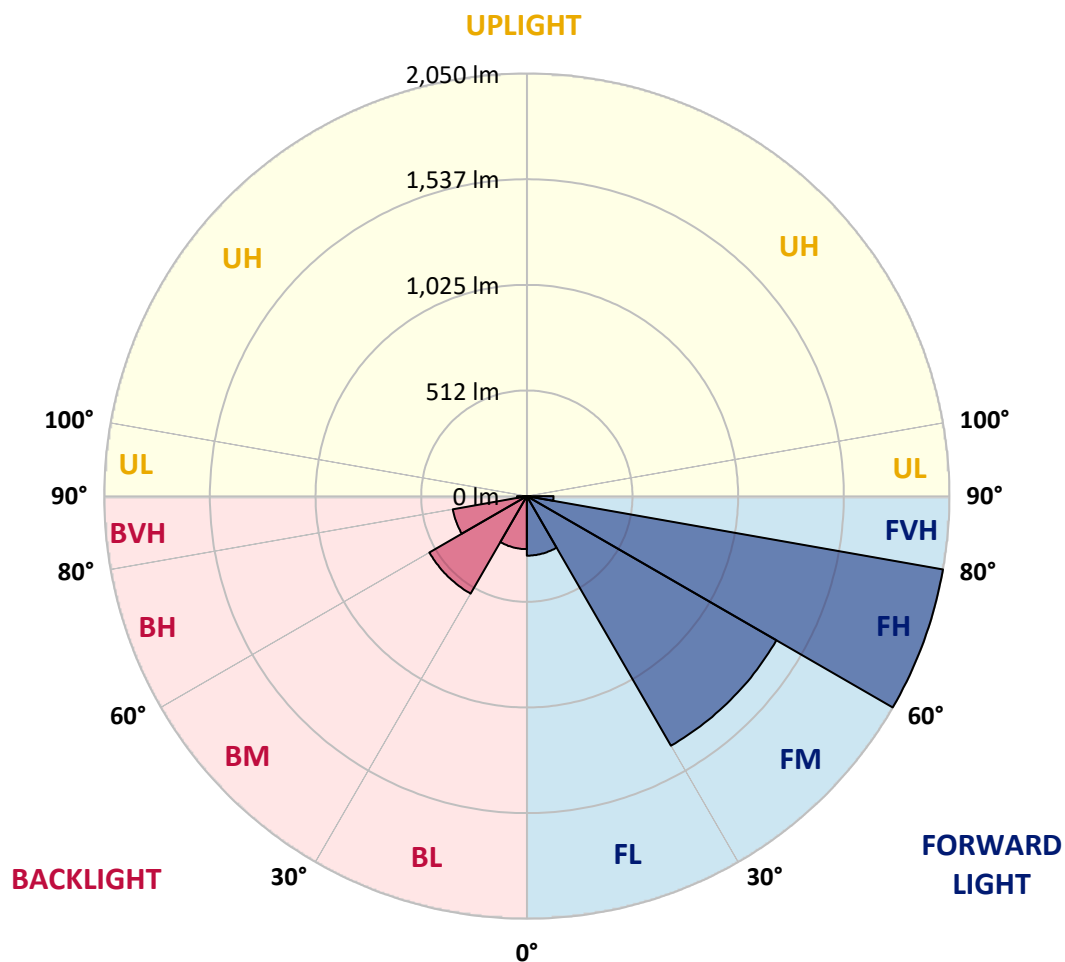
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.7	5.7			
FM	(30°-60°)	1397.6	27.5			
FH	(60°-80°)	2049.7	40.3			G2/5000
FVH	(80°-90°)	129.6	2.6			G2/225
BL	(0°-30°)	257.2	5.1	B1/500		
BM	(30°-60°)	546.1	10.7	B1/1000		
BH	(60°-80°)	364.5	7.2	B1/500		G1/500
BVH	(80°-90°)	47.3	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°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5
2.5°	578.4	580.2	580.2	576.5	572.8	565.4	565.4	558.0	554.3	545.0	541.3
5°	632.1	626.6	621.0	619.2	609.9	596.9	595.1	587.7	567.3	558.0	545.0
7.5°	671.1	669.2	667.4	659.9	643.3	622.9	617.3	606.2	585.8	567.3	552.4
10°	702.6	710.0	702.6	685.9	669.2	647.0	645.1	624.7	606.2	583.9	565.4
12.5°	737.8	739.7	726.7	706.3	680.3	661.8	654.4	647.0	626.6	608.0	580.2
15°	761.9	758.2	748.9	721.1	691.5	672.9	674.8	665.5	643.3	630.3	600.6
17.5°	761.9	761.9	747.1	726.7	700.7	684.0	684.0	678.5	663.7	645.1	624.7
20°	747.1	747.1	737.8	726.7	697.0	693.3	689.6	685.9	685.9	669.2	639.6
22.5°	728.5	724.8	728.5	710.0	689.6	693.3	698.9	697.0	691.5	676.6	656.2
25°	710.0	711.9	715.6	702.6	684.0	700.7	698.9	708.1	704.4	693.3	676.6
27.5°	708.1	711.9	713.7	700.7	693.3	708.1	715.6	724.8	726.7	715.6	695.2
30°	736.0	734.1	732.2	715.6	710.0	723.0	730.4	743.4	754.5	730.4	713.7
32.5°	808.3	797.1	786.0	741.5	724.8	734.1	741.5	760.1	761.9	748.9	724.8
35°	923.2	915.8	878.7	800.8	754.5	745.2	752.6	765.6	769.3	760.1	741.5
37.5°	1054.8	1051.1	999.2	904.6	815.7	771.2	763.8	782.3	797.1	776.7	750.8
40°	1184.6	1169.7	1132.7	1040.0	893.5	810.1	800.8	810.1	815.7	800.8	784.2
42.5°	1301.4	1284.7	1275.4	1182.7	995.5	875.0	867.6	845.3	862.0	843.5	821.2
45°	1399.6	1395.9	1392.2	1312.5	1112.3	980.7	975.1	917.6	936.2	921.3	889.8
47.5°	1470.1	1486.7	1481.2	1436.7	1245.7	1093.7	1077.0	1002.9	1030.7	1015.9	984.4
50°	1553.5	1562.7	1557.2	1527.5	1369.9	1223.5	1192.0	1116.0	1147.5	1145.6	1129.0
52.5°	1627.6	1655.4	1623.9	1622.1	1547.9	1364.4	1310.6	1238.3	1290.2	1310.6	1308.8
55°	1714.8	1737.0	1727.7	1724.0	1707.3	1501.6	1453.4	1366.2	1453.4	1483.0	1509.0
57.5°	1788.9	1787.0	1822.3	1864.9	1885.3	1659.1	1601.7	1499.7	1631.3	1664.7	1737.0
60°	1822.3	1853.8	1913.1	2020.6	2078.1	1827.8	1768.5	1686.9	1811.1	1837.1	1970.6
62.5°	1844.5	1872.3	1987.3	2168.9	2202.3	2000.2	1944.6	1863.1	2007.7	2026.2	2224.5
65°	1783.3	1809.3	2037.3	2224.5	2343.2	2185.6	2172.6	2087.4	2204.2	2215.3	2491.5
67.5°	1712.9	1740.7	1994.7	2295.0	2530.4	2432.2	2411.8	2309.8	2398.8	2385.8	2695.4
70°	1588.7	1625.8	1885.3	2356.2	2738.0	2777.0	2736.2	2591.6	2600.9	2478.5	2704.7
72.5°	1210.5	1234.6	1475.6	2113.3	2834.4	3255.2	3184.8	2895.6	2789.9	2497.0	2387.7
75°	574.7	619.2	823.1	1397.8	2484.1	3277.5	3323.8	3045.8	2689.8	2215.3	1692.5
77.5°	166.8	166.8	250.3	593.2	1557.2	2641.6	2728.8	2586.0	2219.0	1640.6	889.8
80°	90.8	96.4	131.6	209.5	684.0	1666.6	1792.6	1714.8	1306.9	648.8	229.9
82.5°	51.9	53.8	87.1	126.1	311.4	906.5	980.7	889.8	496.8	196.5	107.5
85°	29.7	31.5	50.1	83.4	185.4	333.7	363.3	315.1	200.2	131.6	53.8
87.5°	14.8	14.8	24.1	38.9	94.5	94.5	92.7	113.1	120.5	79.7	24.1
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°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5
2.5°	539.5	537.6	537.6	530.2	528.3	522.8	522.8	519.1	517.2	522.8	522.8
5°	541.3	532.0	530.2	522.8	524.6	520.9	528.3	524.6	522.8	522.8	520.9
7.5°	545.0	535.7	528.3	522.8	520.9	526.5	535.7	535.7	546.9	541.3	541.3
10°	554.3	548.7	539.5	535.7	535.7	541.3	552.4	559.8	569.1	569.1	563.6
12.5°	576.5	567.3	556.1	550.6	558.0	563.6	574.7	582.1	593.2	596.9	593.2
15°	593.2	583.9	580.2	576.5	582.1	589.5	598.8	606.2	619.2	622.9	621.0
17.5°	615.5	604.3	602.5	604.3	608.0	613.6	619.2	624.7	634.0	634.0	634.0
20°	626.6	622.9	621.0	626.6	634.0	641.4	637.7	634.0	632.1	635.8	634.0
22.5°	647.0	643.3	645.1	650.7	650.7	647.0	641.4	628.4	624.7	628.4	624.7
25°	665.5	661.8	661.8	658.1	656.2	643.3	632.1	621.0	608.0	613.6	611.7
27.5°	684.0	682.2	682.2	667.4	648.8	626.6	611.7	598.8	591.4	600.6	595.1
30°	706.3	708.1	698.9	663.7	619.2	595.1	578.4	576.5	574.7	580.2	578.4
32.5°	726.7	728.5	713.7	658.1	596.9	550.6	533.9	535.7	545.0	554.3	563.6
35°	737.8	747.1	728.5	639.6	552.4	500.5	482.0	498.7	515.4	528.3	537.6
37.5°	758.2	782.3	750.8	619.2	513.5	456.0	443.1	448.6	469.0	489.4	498.7
40°	787.9	815.7	756.3	580.2	461.6	411.5	404.1	406.0	413.4	426.4	435.6
42.5°	839.8	869.4	761.9	530.2	409.7	383.7	363.3	357.8	352.2	352.2	350.4
45°	915.8	943.6	754.5	467.2	357.8	339.2	324.4	311.4	296.6	272.5	276.2
47.5°	1027.0	1049.2	760.1	411.5	309.6	294.8	283.6	268.8	246.6	220.6	218.7
50°	1195.7	1162.3	752.6	354.1	274.4	261.4	252.1	231.7	205.8	187.2	185.4
52.5°	1392.2	1325.5	745.2	305.9	244.7	233.6	226.2	203.9	179.8	170.5	168.7
55°	1629.5	1533.1	756.3	263.2	222.5	213.2	205.8	185.4	166.8	159.4	157.6
57.5°	1909.4	1757.4	817.5	229.9	198.4	194.6	192.8	176.1	159.4	153.9	152.0
60°	2172.6	1972.4	858.3	205.8	176.1	179.8	183.5	176.1	157.6	153.9	153.9
62.5°	2393.2	2150.4	793.4	185.4	165.0	176.1	192.8	187.2	179.8	183.5	179.8
65°	2587.9	2211.6	593.2	174.3	159.4	185.4	213.2	211.3	194.6	198.4	196.5
67.5°	2621.3	2137.4	387.4	165.0	155.7	203.9	239.1	216.9	183.5	183.5	178.0
70°	2482.2	1939.1	259.5	155.7	153.9	203.9	244.7	203.9	172.4	172.4	165.0
72.5°	2037.3	1549.8	200.2	146.4	140.9	181.7	231.7	192.8	161.3	157.6	144.6
75°	1338.4	999.2	163.1	139.0	122.3	159.4	209.5	178.0	153.9	142.7	137.2
77.5°	656.2	448.6	137.2	122.3	105.7	139.0	190.9	168.7	144.6	133.5	129.8
80°	179.8	161.3	114.9	107.5	89.0	120.5	179.8	161.3	135.3	124.2	118.6
82.5°	102.0	100.1	92.7	87.1	74.2	120.5	181.7	161.3	127.9	126.1	107.5
85°	55.6	59.3	66.7	64.9	57.5	107.5	172.4	140.9	103.8	87.1	87.1
87.5°	22.2	27.8	33.4	37.1	38.9	79.7	129.8	107.5	79.7	66.7	66.7
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)