

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: P674795

Luminaire Tested: **CCW-SA-1F-722-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674795
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-722-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T2 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5509 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

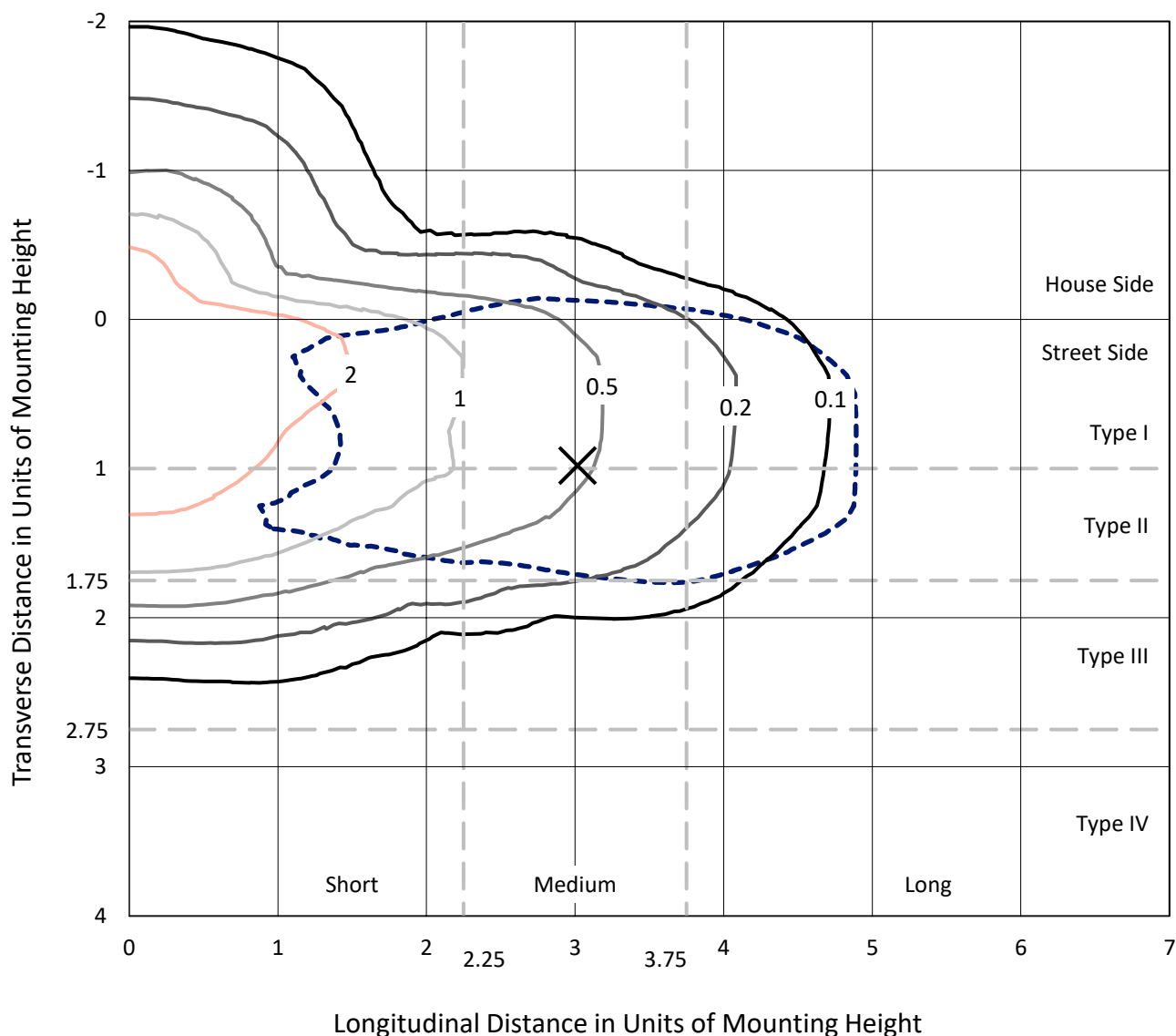
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

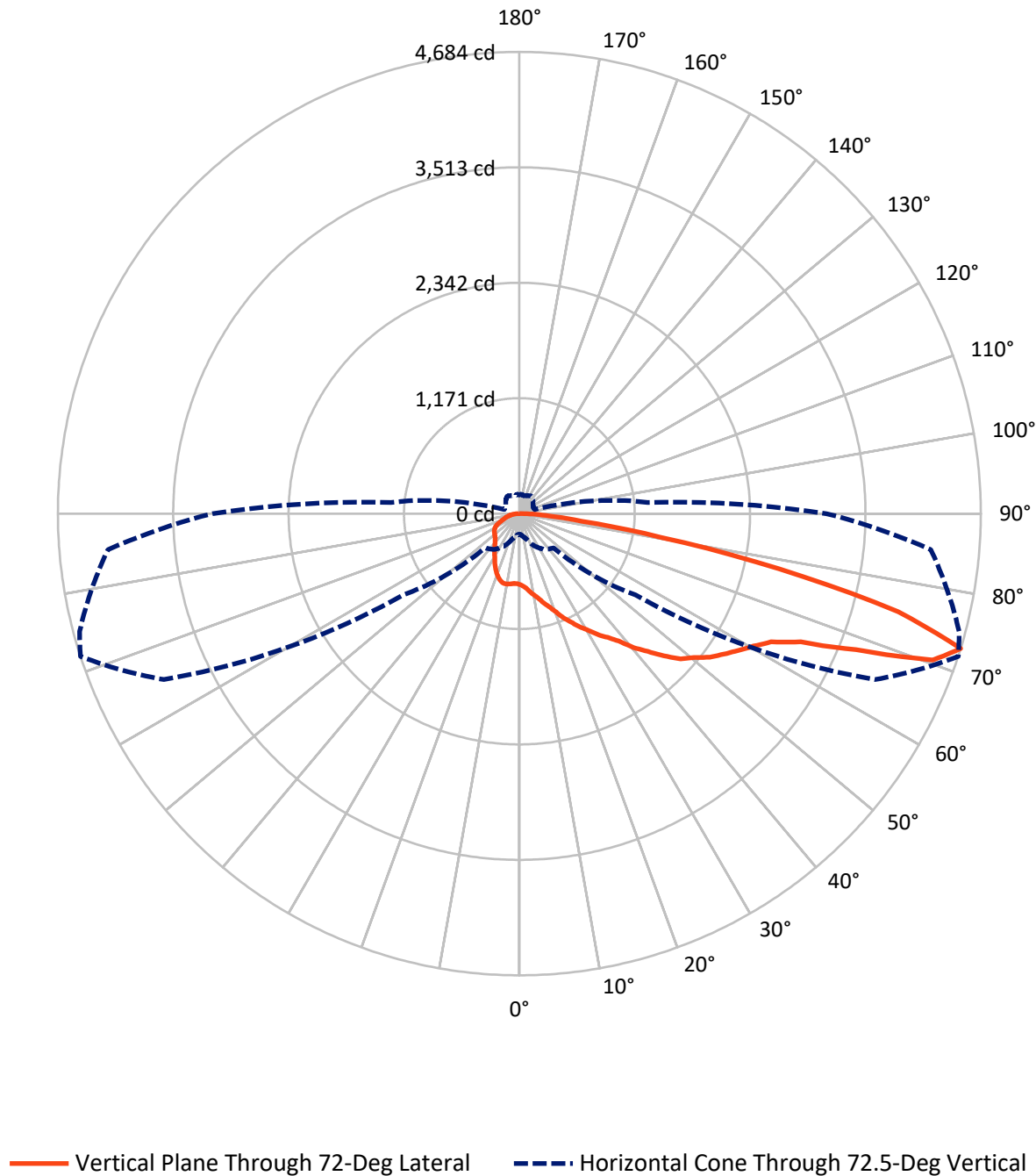


Based on 15 foot mounting height. Maximum calculated value = 4 fc

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	1159.4	0.0	1159.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4349.6	0.0	4349.6
	% Fixture	79.0	0.0	79.0
Total	Lumens	5509.0	0.0	5509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.3
10°-20°	221.1	4.0
20°-30°	382.5	6.9
30°-40°	565.1	10.3
40°-50°	840.3	15.3
50°-60°	1152.0	20.9
60°-70°	1249.6	22.7
70°-80°	881.0	16.0
80°-90°	146.4	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°	5509.0	100.0
0°-180°	5509.0	100.0

Coefficient of Utilization



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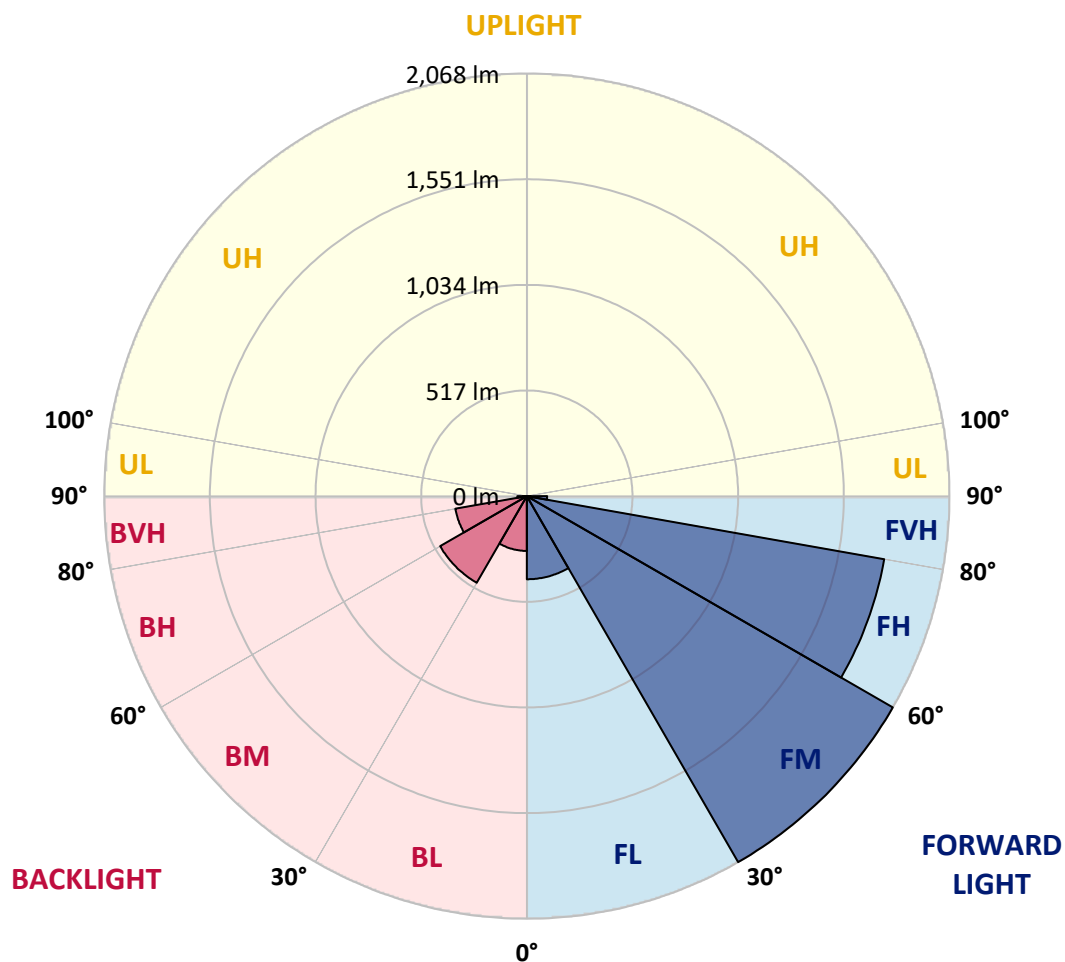
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	406.8	7.4			
FM	(30°-60°)	2067.6	37.5			
FH	(60°-80°)	1775.4	32.2			G1/1800
FVH	(80°-90°)	99.8	1.8			G1/100
BL	(0°-30°)	268.0	4.9	B1/500		
BM	(30°-60°)	489.7	8.9	B1/1000		
BH	(60°-80°)	355.1	6.4	B1/500		G1/500
BVH	(80°-90°)	46.6	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-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6
2.5°	776.5	776.5	770.5	768.4	768.4	752.2	754.2	744.0	735.9	735.9	727.8
5°	817.2	813.1	813.1	813.1	803.0	796.9	794.8	776.5	762.3	764.4	740.0
7.5°	827.4	829.4	831.4	841.6	835.5	839.6	835.5	815.2	805.0	794.8	772.5
10°	833.5	837.5	837.5	851.8	851.8	861.9	868.0	859.9	841.6	831.4	794.8
12.5°	847.7	841.6	849.7	859.9	870.1	888.4	906.7	898.5	886.3	874.1	833.5
15°	847.7	849.7	855.8	872.1	888.4	906.7	939.2	951.4	945.3	922.9	880.2
17.5°	823.3	817.2	845.7	876.2	906.7	929.0	971.7	1000.2	996.1	988.0	922.9
20°	825.3	831.4	841.6	868.0	916.8	957.5	1010.3	1057.1	1067.2	1063.2	979.8
22.5°	861.9	864.0	874.1	886.3	924.9	977.8	1057.1	1132.3	1150.6	1140.4	1042.9
25°	898.5	914.8	914.8	922.9	937.1	992.0	1087.6	1193.3	1219.7	1221.7	1107.9
27.5°	957.5	961.5	973.7	977.8	990.0	1022.5	1122.1	1238.0	1299.0	1290.9	1166.9
30°	1026.6	1028.6	1036.8	1032.7	1034.7	1075.4	1154.7	1288.8	1372.2	1374.2	1229.9
32.5°	1107.9	1124.2	1128.2	1101.8	1105.9	1116.0	1205.5	1349.8	1463.7	1449.4	1284.8
35°	1227.8	1233.9	1221.7	1209.5	1179.1	1173.0	1258.3	1410.8	1542.9	1559.2	1366.1
37.5°	1376.2	1392.5	1376.2	1311.2	1278.7	1254.3	1323.4	1477.9	1638.5	1693.4	1447.4
40°	1514.5	1512.4	1496.2	1437.2	1380.3	1362.0	1416.9	1571.4	1786.9	1839.7	1565.3
42.5°	1626.3	1620.2	1610.0	1565.3	1512.4	1481.9	1524.6	1669.0	1910.9	2012.5	1701.5
45°	1723.9	1715.7	1717.8	1666.9	1616.1	1632.4	1632.4	1780.8	2057.2	2183.3	1858.0
47.5°	1815.3	1819.4	1813.3	1774.7	1736.1	1778.7	1756.4	1908.8	2201.6	2341.8	1990.2
50°	1921.0	1929.2	1908.8	1884.5	1849.9	1892.6	1864.1	2028.8	2295.1	2486.2	2148.7
52.5°	2020.7	2028.8	2047.1	2016.6	1982.0	2016.6	1951.5	2140.6	2419.1	2626.4	2270.7
55°	2045.1	2041.0	2142.6	2175.2	2193.4	2089.8	2028.8	2236.1	2516.7	2715.9	2408.9
57.5°	1933.2	1943.4	2081.6	2175.2	2370.3	2280.9	2116.2	2347.9	2618.3	2833.8	2537.0
60°	1654.7	1660.8	1833.6	2055.2	2339.8	2459.8	2352.0	2492.3	2730.1	2933.4	2681.3
62.5°	1105.9	1152.6	1368.1	1715.7	2124.3	2508.5	2728.1	2736.2	2866.3	3059.4	2878.5
65°	583.4	605.8	774.5	1055.1	1610.0	2339.8	3081.8	3220.0	3138.7	3291.2	3163.1
67.5°	382.2	390.3	481.8	640.3	929.0	1707.6	3122.5	4059.6	3685.6	3732.3	3618.5
70°	284.6	288.7	355.7	473.7	575.3	912.8	2559.4	4451.9	4449.9	4325.9	4159.2
72.5°	209.4	215.5	262.2	361.8	443.2	492.0	1439.3	3982.4	4683.7	4620.7	4191.7
75°	164.7	168.7	193.1	280.5	357.8	323.2	729.8	2949.7	3972.2	4275.1	3836.0
77.5°	134.2	138.2	152.5	203.3	286.6	250.0	349.7	1902.8	2693.5	3077.7	2935.4
80°	111.8	111.8	122.0	144.3	221.6	189.1	207.4	1069.3	1451.5	1601.9	1331.5
82.5°	95.5	93.5	101.6	105.7	164.7	136.2	134.2	483.8	638.3	676.9	500.1
85°	61.0	63.0	95.5	91.5	107.7	93.5	75.2	229.7	300.9	307.0	187.0
87.5°	24.4	24.4	40.7	50.8	61.0	56.9	36.6	103.7	132.1	132.1	52.9
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°	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6
2.5°	725.7	717.6	711.5	707.4	697.3	687.1	689.1	687.1	679.0	674.9	674.9
5°	733.9	725.7	715.6	699.3	689.1	676.9	681.0	672.9	664.7	670.8	660.7
7.5°	754.2	740.0	725.7	701.3	685.1	666.8	658.6	654.6	648.5	644.4	644.4
10°	782.6	762.3	735.9	699.3	672.9	644.4	640.3	632.2	626.1	626.1	624.1
12.5°	811.1	788.7	744.0	685.1	640.3	620.0	618.0	620.0	624.1	626.1	628.2
15°	847.7	811.1	742.0	658.6	613.9	605.8	616.0	624.1	632.2	640.3	638.3
17.5°	882.3	839.6	723.7	626.1	591.6	593.6	611.9	628.2	644.4	652.5	654.6
20°	929.0	866.0	697.3	587.5	569.2	587.5	611.9	632.2	650.5	660.7	662.7
22.5°	981.9	896.5	662.7	552.9	550.9	569.2	593.6	624.1	644.4	662.7	660.7
25°	1028.6	916.8	618.0	524.5	528.5	540.7	569.2	601.7	622.1	642.4	636.3
27.5°	1059.1	920.9	571.2	504.1	504.1	516.3	542.8	563.1	581.4	597.7	599.7
30°	1093.7	912.8	518.4	477.7	477.7	494.0	504.1	516.3	526.5	530.6	534.6
32.5°	1134.3	894.5	485.9	457.4	457.4	469.6	475.7	471.6	469.6	459.4	465.5
35°	1173.0	868.0	449.3	431.0	439.1	445.2	443.2	431.0	418.8	400.5	394.4
37.5°	1219.7	841.6	416.7	402.5	416.7	418.8	418.8	404.5	388.3	365.9	365.9
40°	1290.9	821.3	390.3	384.2	398.4	396.4	386.2	376.1	382.2	370.0	370.0
42.5°	1366.1	813.1	365.9	367.9	374.0	376.1	365.9	353.7	378.1	363.9	365.9
45°	1459.6	819.2	349.7	347.6	361.8	359.8	353.7	343.6	351.7	315.1	304.9
47.5°	1547.0	831.4	341.5	333.4	349.7	353.7	345.6	323.2	311.0	288.7	284.6
50°	1626.3	857.9	333.4	317.1	333.4	341.5	327.3	302.9	288.7	274.4	274.4
52.5°	1701.5	896.5	329.3	298.8	313.1	323.2	315.1	290.7	274.4	268.3	262.2
55°	1778.7	931.0	323.2	286.6	290.7	311.0	309.0	276.5	260.2	260.2	258.2
57.5°	1888.5	977.8	315.1	266.3	274.4	296.8	296.8	270.4	252.1	254.1	256.1
60°	2000.3	1032.7	307.0	246.0	252.1	282.6	286.6	262.2	246.0	248.0	246.0
62.5°	2179.2	1134.3	290.7	221.6	233.8	264.3	274.4	252.1	237.8	241.9	241.9
65°	2449.6	1309.2	256.1	201.3	215.5	248.0	262.2	241.9	225.6	237.8	233.8
67.5°	2884.6	1549.0	215.5	185.0	203.3	231.7	248.0	229.7	215.5	233.8	227.7
70°	3274.9	1666.9	185.0	170.8	185.0	213.4	231.7	217.5	203.3	221.6	213.4
72.5°	3116.4	1307.1	160.6	154.5	168.7	193.1	215.5	201.3	187.0	197.2	189.1
75°	2689.5	1040.8	140.3	138.2	150.4	174.8	197.2	187.0	172.8	176.9	172.8
77.5°	2039.0	859.9	119.9	117.9	128.1	156.5	176.9	168.7	154.5	152.5	152.5
80°	910.7	422.8	99.6	99.6	105.7	134.2	150.4	146.4	132.1	130.1	128.1
82.5°	298.8	160.6	81.3	77.2	85.4	111.8	134.2	130.1	115.9	111.8	107.7
85°	119.9	77.2	59.0	59.0	67.1	93.5	119.9	111.8	93.5	83.3	83.3
87.5°	40.7	32.5	30.5	30.5	42.7	63.0	89.4	75.2	67.1	59.0	61.0
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)