

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: P675271

Luminaire Tested: **CCW-SA-1F-740-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675271
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-740-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T4W distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

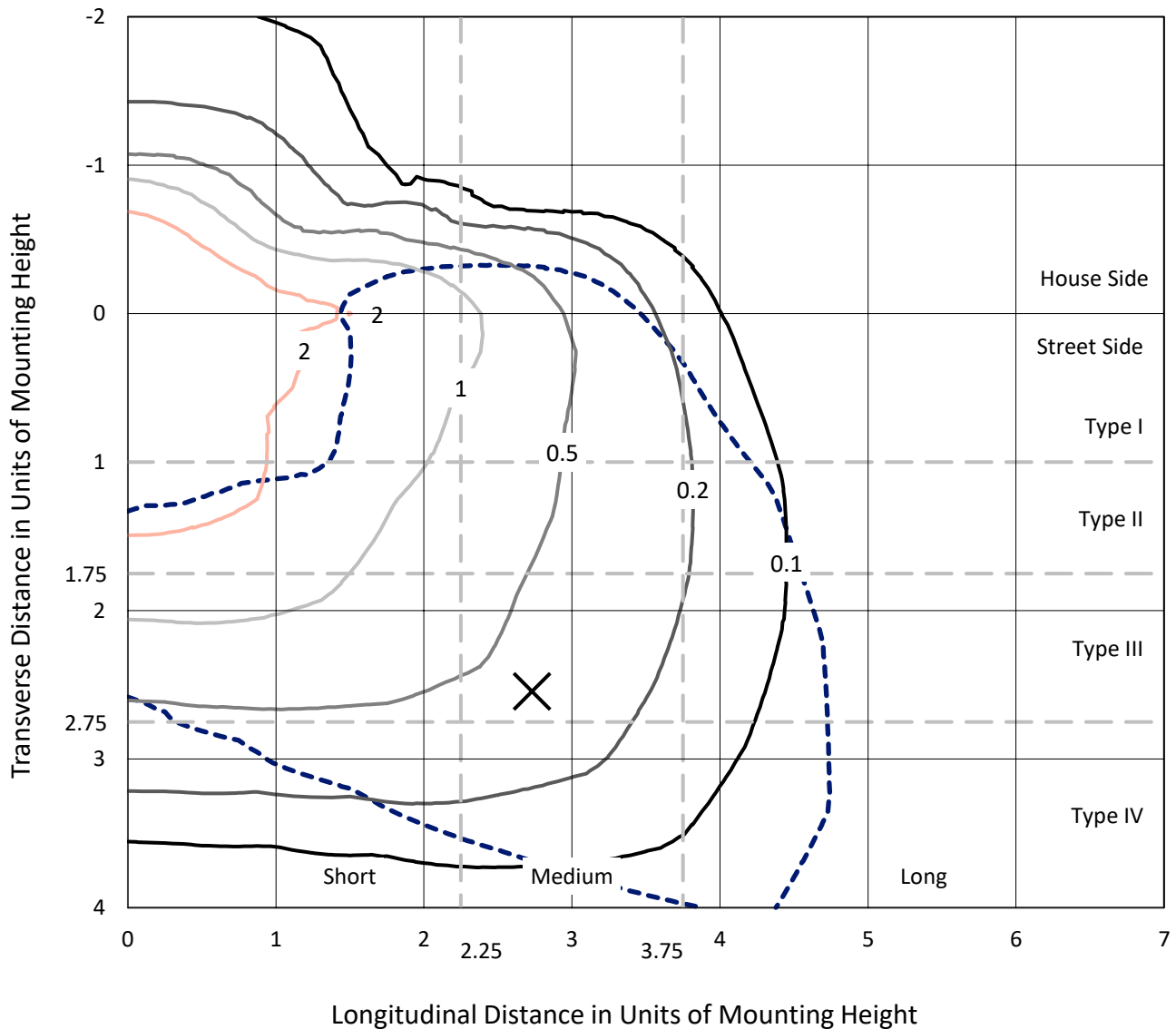
Lumens per Lamp: N/A
Luminaire Lumens: 7563.9 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

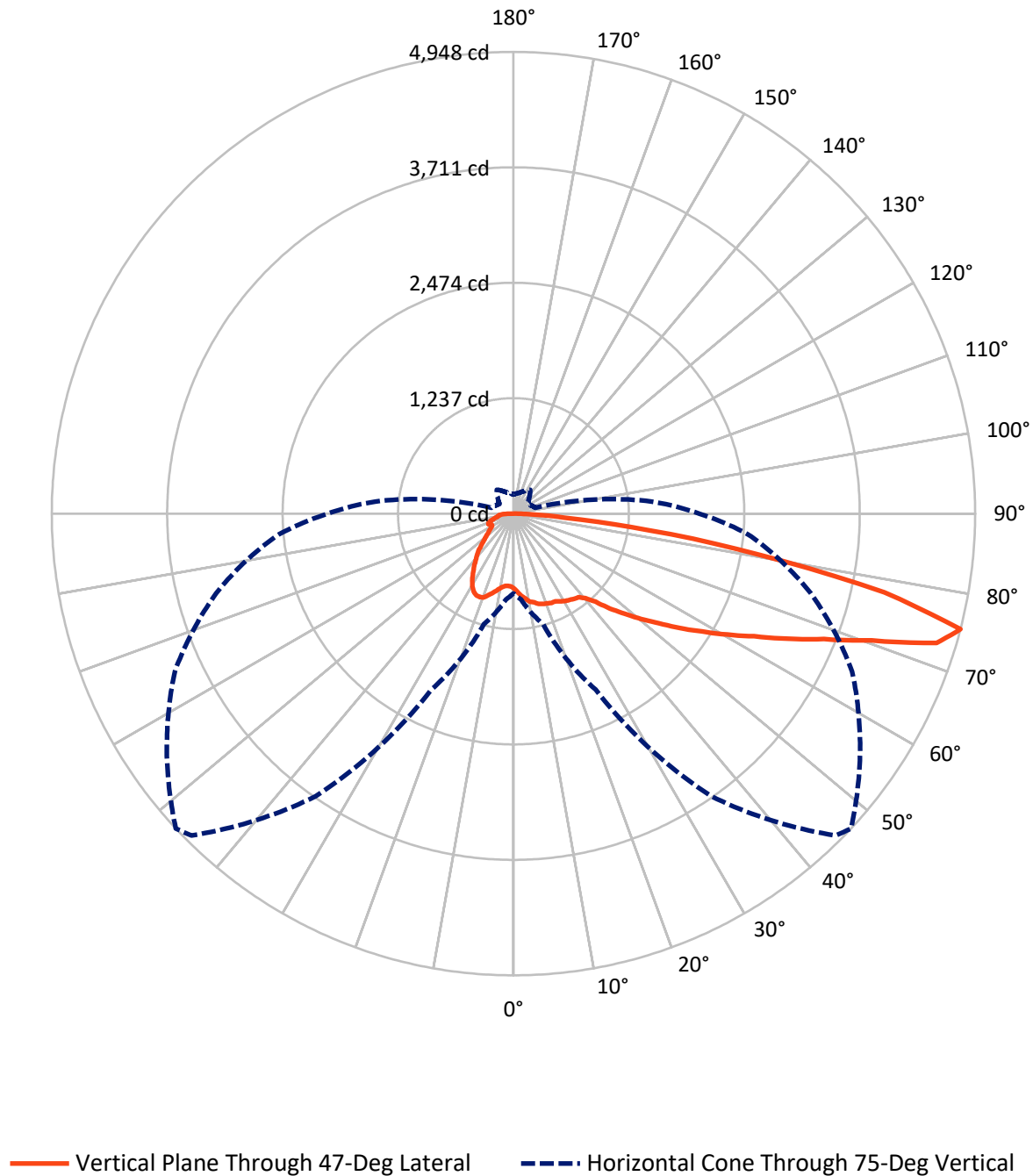
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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	1808.9	0.0	1808.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5755.0	0.0	5755.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	7563.9	0.0	7563.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.1
10°-20°	269.6	3.6
20°-30°	461.8	6.1
30°-40°	646.2	8.5
40°-50°	900.9	11.9
50°-60°	1346.6	17.8
60°-70°	1941.5	25.7
70°-80°	1652.7	21.8
80°-90°	263.3	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°	7563.9	100.0
0°-180°	7563.9	100.0

Coefficient of Utilization



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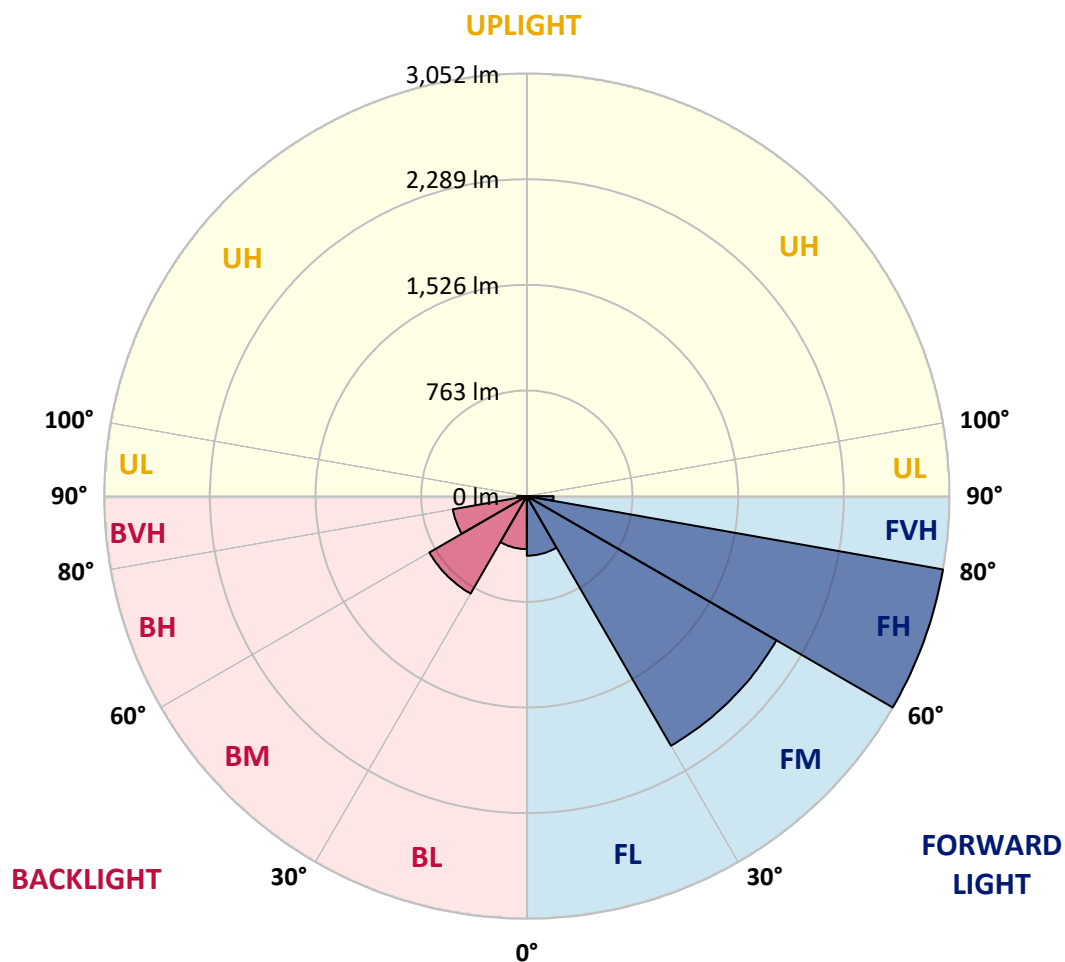
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	429.7	5.7			
FM	(30°-60°)	2080.8	27.5			
FH	(60°-80°)	3051.6	40.3			G2/5000
FVH	(80°-90°)	192.9	2.6			G2/225
BL	(0°-30°)	382.9	5.1	B1/500		
BM	(30°-60°)	813.0	10.7	B1/1000		
BH	(60°-80°)	542.7	7.2	B2/1000		G2/1000
BVH	(80°-90°)	70.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1
2.5°	861.1	863.8	863.8	858.3	852.8	841.8	841.8	830.7	825.2	811.4	805.9
5°	941.1	932.8	924.6	921.8	908.0	888.7	885.9	874.9	844.5	830.7	811.4
7.5°	999.1	996.3	993.5	982.5	957.7	927.3	919.0	902.5	872.1	844.5	822.4
10°	1046.0	1057.0	1046.0	1021.1	996.3	963.2	960.4	930.1	902.5	869.4	841.8
12.5°	1098.4	1101.2	1081.9	1051.5	1012.9	985.3	974.2	963.2	932.8	905.2	863.8
15°	1134.3	1128.8	1115.0	1073.6	1029.4	1001.8	1004.6	990.8	957.7	938.4	894.2
17.5°	1134.3	1134.3	1112.2	1081.9	1043.2	1018.4	1018.4	1010.1	988.0	960.4	930.1
20°	1112.2	1112.2	1098.4	1081.9	1037.7	1032.2	1026.7	1021.1	1021.1	996.3	952.2
22.5°	1084.6	1079.1	1084.6	1057.0	1026.7	1032.2	1040.5	1037.7	1029.4	1007.3	977.0
25°	1057.0	1059.8	1065.3	1046.0	1018.4	1043.2	1040.5	1054.3	1048.7	1032.2	1007.3
27.5°	1054.3	1059.8	1062.5	1043.2	1032.2	1054.3	1065.3	1079.1	1081.9	1065.3	1034.9
30°	1095.7	1092.9	1090.1	1065.3	1057.0	1076.3	1087.4	1106.7	1123.3	1087.4	1062.5
32.5°	1203.3	1186.7	1170.2	1103.9	1079.1	1092.9	1103.9	1131.5	1134.3	1115.0	1079.1
35°	1374.4	1363.4	1308.2	1192.3	1123.3	1109.5	1120.5	1139.8	1145.3	1131.5	1103.9
37.5°	1570.4	1564.8	1487.6	1346.8	1214.3	1148.1	1137.1	1164.7	1186.7	1156.4	1117.7
40°	1763.6	1741.5	1686.3	1548.3	1330.3	1206.1	1192.3	1206.1	1214.3	1192.3	1167.4
42.5°	1937.4	1912.6	1898.8	1760.8	1482.0	1302.7	1291.6	1258.5	1283.3	1255.7	1222.6
45°	2083.7	2078.2	2072.7	1954.0	1655.9	1460.0	1451.7	1366.1	1393.7	1371.7	1324.7
47.5°	2188.6	2213.4	2205.1	2138.9	1854.6	1628.3	1603.5	1493.1	1534.5	1512.4	1465.5
50°	2312.8	2326.6	2318.3	2274.1	2039.5	1821.5	1774.6	1661.4	1708.4	1705.6	1680.8
52.5°	2423.2	2464.6	2417.6	2414.9	2304.5	2031.3	1951.2	1843.6	1920.9	1951.2	1948.5
55°	2552.9	2586.0	2572.2	2566.7	2541.8	2235.5	2163.7	2034.0	2163.7	2207.9	2246.5
57.5°	2663.3	2660.5	2712.9	2776.4	2806.8	2470.1	2384.5	2232.7	2428.7	2478.4	2586.0
60°	2712.9	2759.9	2848.2	3008.2	3093.8	2721.2	2632.9	2511.5	2696.4	2735.0	2933.7
62.5°	2746.1	2787.5	2958.6	3229.0	3278.7	2977.9	2895.1	2773.7	2988.9	3016.5	3311.8
65°	2655.0	2693.6	3033.1	3311.8	3488.5	3253.9	3234.6	3107.6	3281.5	3298.0	3709.3
67.5°	2550.1	2591.5	2969.6	3416.7	3767.2	3620.9	3590.6	3438.8	3571.3	3551.9	4012.8
70°	2365.2	2420.4	2806.8	3507.8	4076.3	4134.3	4073.6	3858.3	3872.1	3689.9	4026.6
72.5°	1802.2	1838.1	2196.8	3146.2	4219.8	4846.3	4741.4	4310.9	4153.6	3717.5	3554.7
75°	855.6	921.8	1225.4	2080.9	3698.2	4879.4	4948.4	4534.5	4004.6	3298.0	2519.8
77.5°	248.4	248.4	372.6	883.2	2318.3	3932.8	4062.5	3850.0	3303.6	2442.5	1324.7
80°	135.2	143.5	196.0	311.9	1018.4	2481.1	2668.8	2552.9	1945.7	966.0	342.2
82.5°	77.3	80.0	129.7	187.7	463.7	1349.6	1460.0	1324.7	739.6	292.5	160.1
85°	44.2	46.9	74.5	124.2	276.0	496.8	540.9	469.2	298.1	196.0	80.0
87.5°	22.1	22.1	35.9	58.0	140.8	140.8	138.0	168.4	179.4	118.7	35.9
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°	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1
2.5°	803.1	800.4	800.4	789.3	786.6	778.3	778.3	772.8	770.0	778.3	778.3
5°	805.9	792.1	789.3	778.3	781.0	775.5	786.6	781.0	778.3	778.3	775.5
7.5°	811.4	797.6	786.6	778.3	775.5	783.8	797.6	797.6	814.2	805.9	805.9
10°	825.2	816.9	803.1	797.6	797.6	805.9	822.4	833.5	847.3	847.3	839.0
12.5°	858.3	844.5	828.0	819.7	830.7	839.0	855.6	866.6	883.2	888.7	883.2
15°	883.2	869.4	863.8	858.3	866.6	877.6	891.4	902.5	921.8	927.3	924.6
17.5°	916.3	899.7	897.0	899.7	905.2	913.5	921.8	930.1	943.9	943.9	943.9
20°	932.8	927.3	924.6	932.8	943.9	954.9	949.4	943.9	941.1	946.6	943.9
22.5°	963.2	957.7	960.4	968.7	968.7	963.2	954.9	935.6	930.1	935.6	930.1
25°	990.8	985.3	985.3	979.8	977.0	957.7	941.1	924.6	905.2	913.5	910.8
27.5°	1018.4	1015.6	1015.6	993.5	966.0	932.8	910.8	891.4	880.4	894.2	885.9
30°	1051.5	1054.3	1040.5	988.0	921.8	885.9	861.1	858.3	855.6	863.8	861.1
32.5°	1081.9	1084.6	1062.5	979.8	888.7	819.7	794.8	797.6	811.4	825.2	839.0
35°	1098.4	1112.2	1084.6	952.2	822.4	745.2	717.6	742.4	767.2	786.6	800.4
37.5°	1128.8	1164.7	1117.7	921.8	764.5	678.9	659.6	667.9	698.2	728.6	742.4
40°	1172.9	1214.3	1126.0	863.8	687.2	612.7	601.6	604.4	615.4	634.8	648.6
42.5°	1250.2	1294.4	1134.3	789.3	609.9	571.3	540.9	532.7	524.4	524.4	521.6
45°	1363.4	1404.8	1123.3	695.5	532.7	505.1	483.0	463.7	441.6	405.7	411.2
47.5°	1529.0	1562.1	1131.5	612.7	460.9	438.8	422.3	400.2	367.1	328.4	325.7
50°	1780.1	1730.4	1120.5	527.1	408.5	389.1	375.3	345.0	306.3	278.7	276.0
52.5°	2072.7	1973.3	1109.5	455.4	364.3	347.7	336.7	303.6	267.7	253.9	251.1
55°	2425.9	2282.4	1126.0	391.9	331.2	317.4	306.3	276.0	248.4	237.3	234.6
57.5°	2842.7	2616.3	1217.1	342.2	295.3	289.8	287.0	262.2	237.3	229.1	226.3
60°	3234.6	2936.5	1277.8	306.3	262.2	267.7	273.2	262.2	234.6	229.1	229.1
62.5°	3563.0	3201.4	1181.2	276.0	245.6	262.2	287.0	278.7	267.7	273.2	267.7
65°	3852.8	3292.5	883.2	259.4	237.3	276.0	317.4	314.6	289.8	295.3	292.5
67.5°	3902.4	3182.1	576.8	245.6	231.8	303.6	356.0	322.9	273.2	273.2	264.9
70°	3695.5	2886.8	386.4	231.8	229.1	303.6	364.3	303.6	256.7	256.7	245.6
72.5°	3033.1	2307.2	298.1	218.0	209.7	270.5	345.0	287.0	240.1	234.6	215.3
75°	1992.6	1487.6	242.9	207.0	182.2	237.3	311.9	264.9	229.1	212.5	204.2
77.5°	977.0	667.9	204.2	182.2	157.3	207.0	284.3	251.1	215.3	198.7	193.2
80°	267.7	240.1	171.1	160.1	132.5	179.4	267.7	240.1	201.5	184.9	176.6
82.5°	151.8	149.0	138.0	129.7	110.4	179.4	270.5	240.1	190.4	187.7	160.1
85°	82.8	88.3	99.4	96.6	85.6	160.1	256.7	209.7	154.6	129.7	129.7
87.5°	33.1	41.4	49.7	55.2	58.0	118.7	193.2	160.1	118.7	99.4	99.4
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)