

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: P675141

Luminaire Tested: **CCW-SA-2C-750-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675141
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-750-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4FT distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

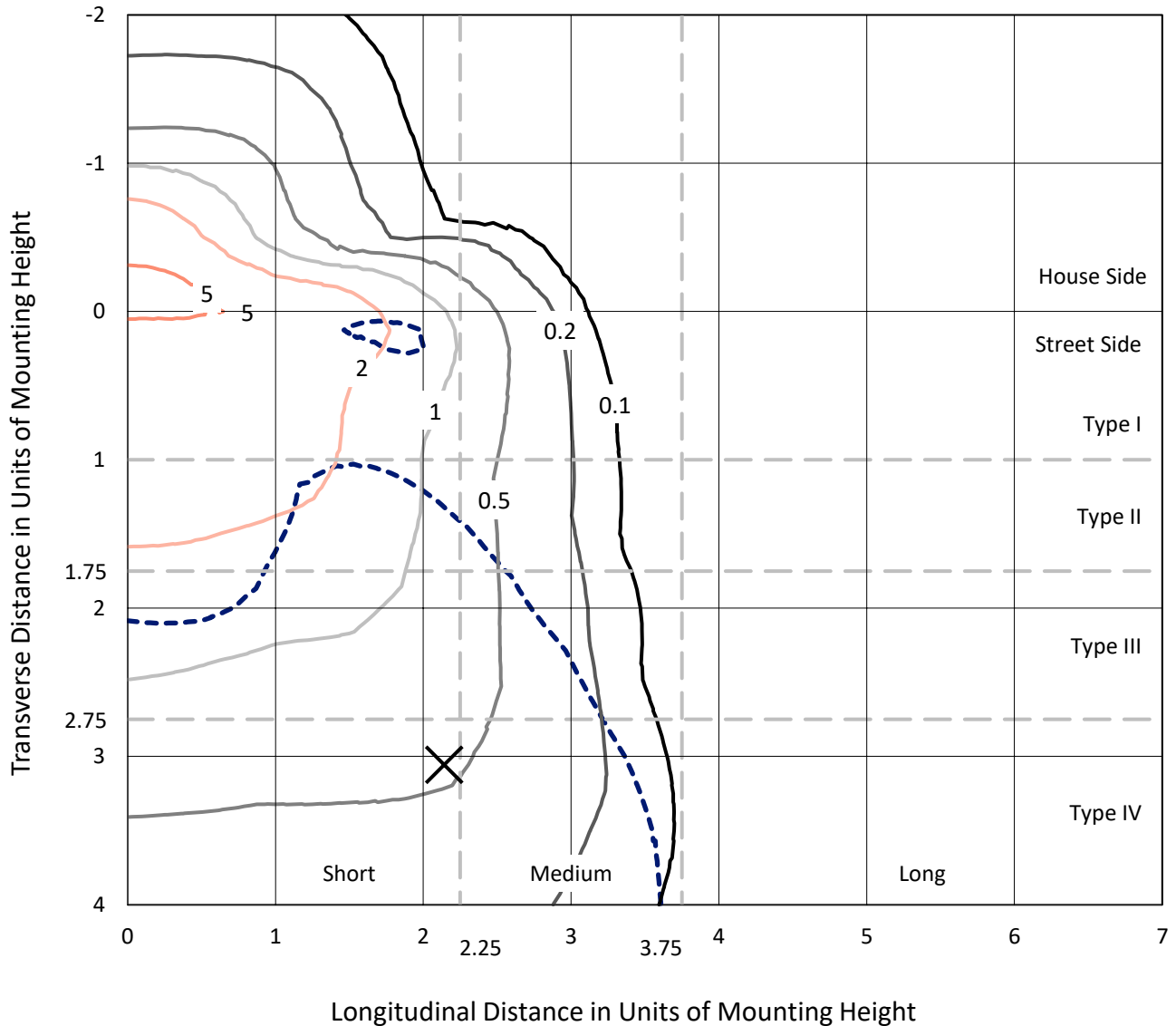
Lumens per Lamp: N/A
Luminaire Lumens: 9242.9 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

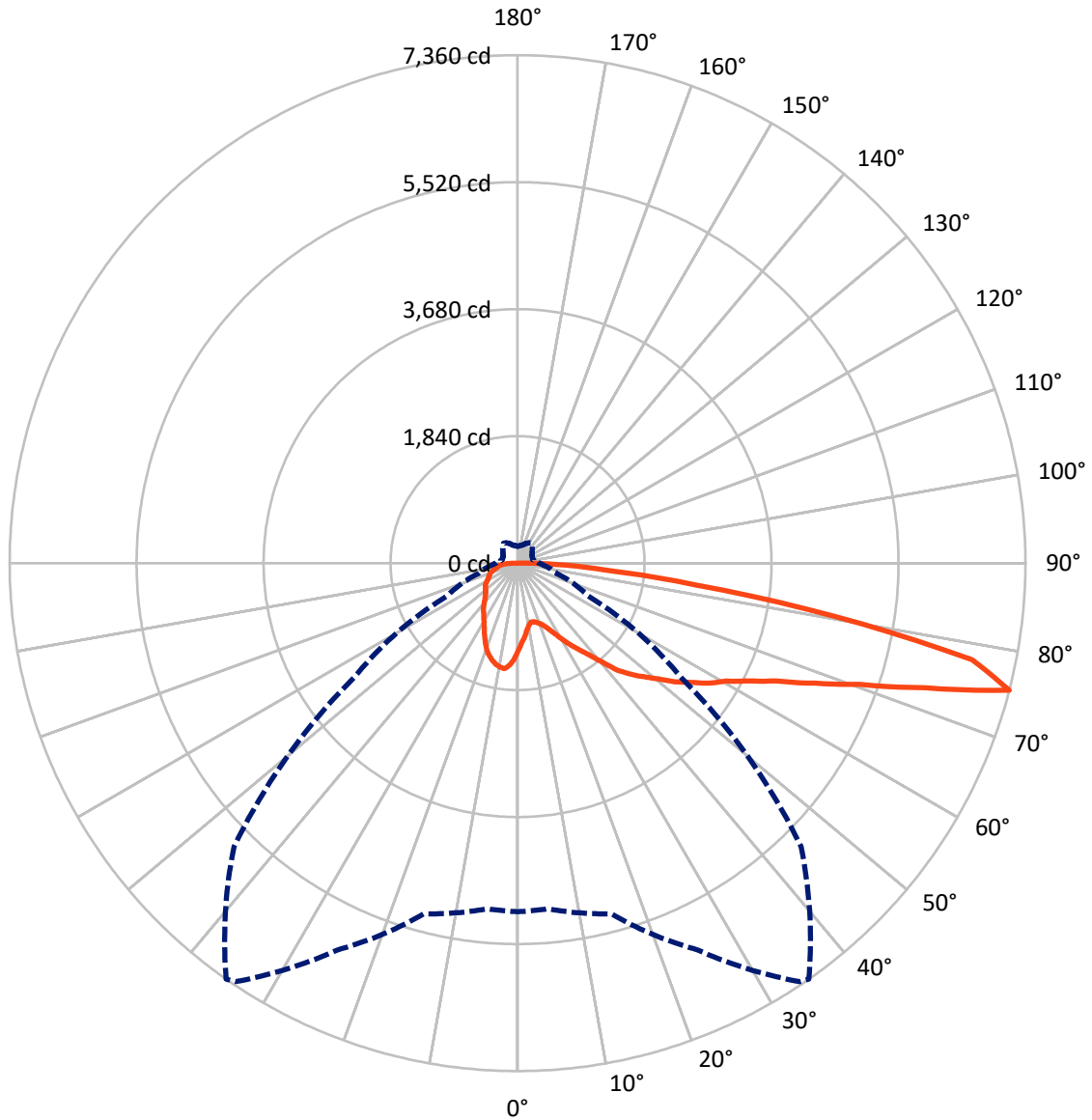
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2124.3	0.0	2124.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7118.6	0.0	7118.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	9242.9	0.0	9242.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	1.3
10°-20°	350.2	3.8
20°-30°	581.1	6.3
30°-40°	861.4	9.3
40°-50°	1242.0	13.4
50°-60°	1708.0	18.5
60°-70°	2109.7	22.8
70°-80°	1930.1	20.9
80°-90°	339.8	3.7
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°	9242.9	100.0
0°-180°	9242.9	100.0



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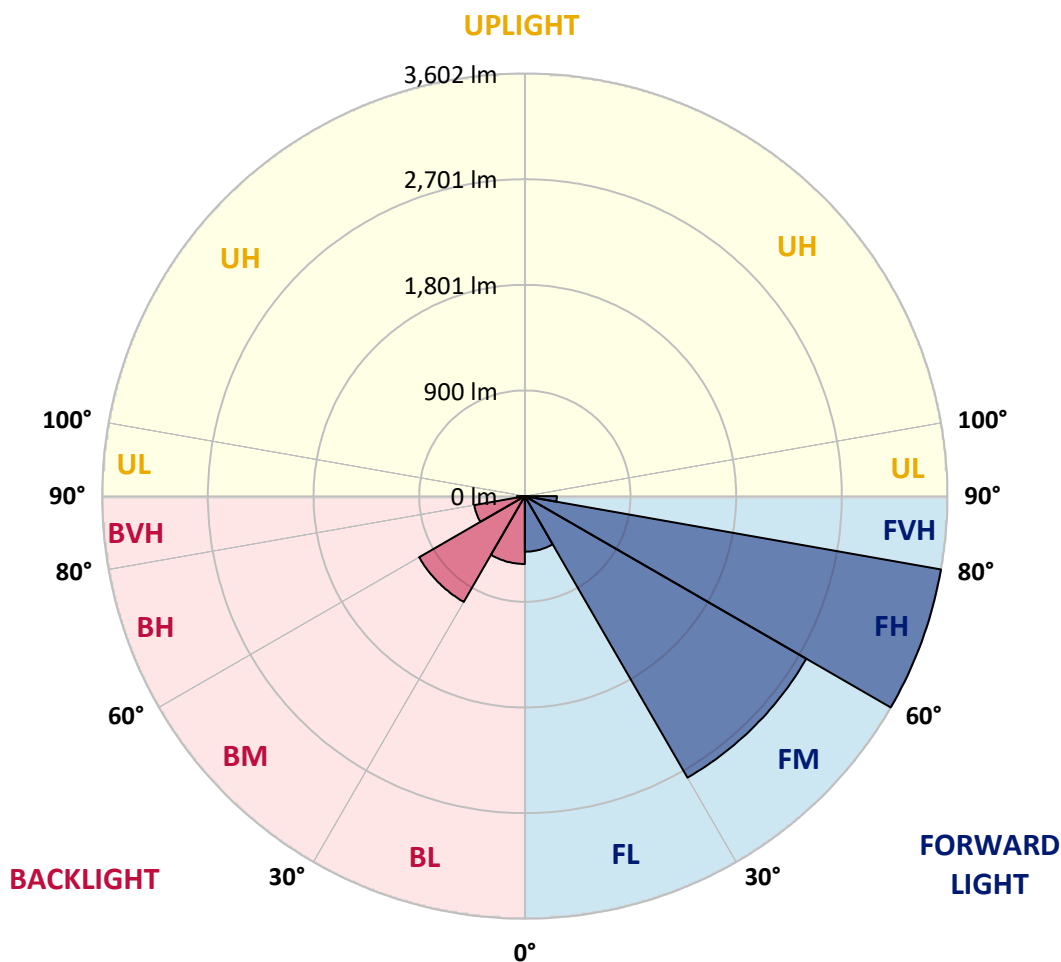
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.8	5.1			
FM (30°-60°)	2770.4	30.0			
FH (60°-80°)	3601.7	39.0			G2/5000
FVH (80°-90°)	272.7	3.0			G3/500
BL (0°-30°)	578.2	6.3	B2/1000		
BM (30°-60°)	1040.9	11.3	B2/2500		
BH (60°-80°)	438.0	4.7	B1/500		G1/500
BVH (80°-90°)	67.1	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3
2.5°	1147.2	1137.0	1147.2	1154.0	1154.0	1154.0	1164.2	1194.8	1215.3	1228.9	1252.7
5°	1028.0	1031.4	1038.3	1055.3	1065.5	1072.3	1089.3	1126.8	1157.4	1201.6	1252.7
7.5°	922.5	929.3	939.5	956.6	980.4	977.0	1014.4	1065.5	1123.4	1181.2	1256.1
10°	868.0	881.7	885.1	888.5	912.3	912.3	963.4	1021.2	1092.7	1167.6	1256.1
12.5°	878.3	878.3	868.0	864.6	878.3	874.9	919.1	987.2	1065.5	1171.0	1269.7
15°	908.9	908.9	888.5	868.0	888.5	881.7	919.1	973.6	1065.5	1174.4	1297.0
17.5°	949.7	953.1	929.3	895.3	902.1	905.5	932.7	983.8	1065.5	1181.2	1334.4
20°	1031.4	1014.4	977.0	922.5	946.3	936.1	977.0	1021.2	1085.9	1208.5	1388.9
22.5°	1102.9	1102.9	1031.4	983.8	987.2	987.2	1024.6	1062.1	1116.5	1245.9	1429.7
25°	1218.7	1211.9	1123.4	1051.9	1058.7	1062.1	1082.5	1126.8	1167.6	1266.3	1480.8
27.5°	1365.0	1348.0	1259.5	1177.8	1150.6	1160.8	1171.0	1205.1	1215.3	1300.4	1542.1
30°	1521.6	1497.8	1422.9	1293.6	1279.9	1283.3	1266.3	1286.8	1273.1	1354.8	1603.3
32.5°	1620.4	1620.4	1548.9	1453.6	1416.1	1416.1	1358.2	1371.9	1371.9	1405.9	1712.3
35°	1705.5	1698.6	1651.0	1579.5	1555.7	1542.1	1484.2	1504.6	1470.6	1504.6	1865.4
37.5°	1834.8	1814.4	1794.0	1746.3	1698.6	1688.4	1657.8	1671.4	1623.8	1606.7	2039.1
40°	1984.6	1974.4	1954.0	1933.5	1885.9	1882.5	1848.4	1862.0	1811.0	1746.3	2212.7
42.5°	2205.9	2175.2	2110.5	2093.5	2103.7	2117.4	2103.7	2079.9	1988.0	1906.3	2399.9
45°	2427.1	2379.5	2256.9	2229.7	2308.0	2297.8	2355.6	2345.4	2195.6	2066.3	2597.3
47.5°	2570.1	2529.2	2430.5	2413.5	2447.6	2461.2	2634.8	2604.1	2365.9	2212.7	2788.0
50°	2672.2	2675.6	2546.3	2590.5	2634.8	2634.8	2852.6	2849.2	2573.5	2393.1	3036.5
52.5°	2822.0	2774.3	2719.9	2760.7	2822.0	2856.0	3125.0	3050.1	2702.9	2546.3	3315.6
55°	2900.3	2879.9	2832.2	2903.7	3033.1	3050.1	3336.0	3278.2	2849.2	2726.7	3601.5
57.5°	2930.9	2948.0	3026.2	3056.9	3237.3	3281.6	3526.7	3445.0	2985.4	2951.4	3822.8
60°	3067.1	3043.3	3148.8	3271.3	3445.0	3468.8	3764.9	3587.9	3118.2	3097.7	3894.3
62.5°	3342.8	3281.6	3339.4	3485.8	3727.5	3758.1	4016.8	3778.6	3176.0	3196.5	3890.9
65°	3744.5	3700.3	3615.2	3730.9	4071.3	4115.6	4313.0	3942.0	3159.0	3162.4	3615.2
67.5°	4217.7	4146.2	4057.7	4129.2	4544.5	4646.6	4673.8	4013.4	3039.9	2971.8	2941.1
70°	4633.0	4585.3	4527.5	4650.0	5228.7	5266.1	5123.2	3969.2	2709.7	2386.3	1960.8
72.5°	5021.1	4997.2	5031.3	5490.8	6154.6	6178.4	5545.3	3690.0	2141.2	1446.7	912.3
75°	5051.7	5027.9	5262.7	6185.3	7315.4	7359.7	5807.4	2893.5	1130.2	588.9	384.7
77.5°	3421.1	3492.6	3931.7	5415.9	6719.7	6729.9	4748.7	1344.6	466.4	347.2	268.9
80°	840.8	932.7	1480.8	2801.6	4530.9	4643.2	2600.7	452.7	306.4	265.5	200.8
82.5°	306.4	333.6	602.5	1266.3	2546.3	2590.5	908.9	245.1	221.3	204.2	146.4
85°	146.4	149.8	285.9	623.0	1286.8	1273.1	326.8	146.4	160.0	139.6	88.5
87.5°	61.3	61.3	126.0	289.3	568.5	551.5	105.5	68.1	91.9	81.7	44.3
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°	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3	1266.3
2.5°	1269.7	1276.5	1303.8	1324.2	1344.6	1361.6	1388.9	1388.9	1405.9	1405.9	1405.9
5°	1266.3	1303.8	1348.0	1395.7	1426.3	1457.0	1484.2	1487.6	1497.8	1511.4	1514.8
7.5°	1279.9	1317.4	1388.9	1457.0	1494.4	1508.0	1542.1	1531.8	1531.8	1531.8	1542.1
10°	1307.2	1348.0	1446.7	1508.0	1535.3	1538.7	1528.4	1521.6	1501.2	1494.4	1484.2
12.5°	1327.6	1399.1	1497.8	1545.5	1535.3	1525.0	1501.2	1467.2	1443.3	1436.5	1436.5
15°	1378.7	1450.1	1542.1	1559.1	1542.1	1487.6	1457.0	1419.5	1399.1	1368.4	1382.1
17.5°	1422.9	1504.6	1586.3	1565.9	1531.8	1446.7	1402.5	1348.0	1320.8	1286.8	1286.8
20°	1480.8	1555.7	1627.2	1572.7	1497.8	1405.9	1334.4	1266.3	1228.9	1194.8	1201.6
22.5°	1545.5	1613.5	1651.0	1545.5	1446.7	1341.2	1242.5	1177.8	1130.2	1109.7	1116.5
25°	1596.5	1671.4	1664.6	1501.2	1385.5	1259.5	1150.6	1089.3	1079.1	1058.7	1058.7
27.5°	1661.2	1739.5	1654.4	1446.7	1283.3	1130.2	1062.1	1038.3	1038.3	1028.0	1034.8
30°	1746.3	1800.8	1630.6	1368.4	1154.0	1014.4	980.4	994.0	1017.8	1007.6	1011.0
32.5°	1885.9	1879.1	1610.1	1279.9	1017.8	902.1	925.9	953.1	973.6	983.8	990.6
35°	2022.0	1977.8	1586.3	1160.8	891.9	847.6	868.0	898.7	936.1	946.3	949.7
37.5°	2158.2	2079.9	1545.5	1014.4	813.6	800.0	820.4	837.4	868.0	874.9	881.7
40°	2301.2	2148.0	1474.0	871.5	748.9	748.9	762.5	765.9	782.9	793.2	800.0
42.5°	2427.1	2212.7	1344.6	738.7	680.8	704.6	708.1	701.2	687.6	694.4	697.8
45°	2580.3	2284.2	1194.8	643.4	629.8	660.4	667.2	640.0	616.1	602.5	595.7
47.5°	2730.1	2359.0	1065.5	565.1	582.1	629.8	629.8	599.1	558.3	524.2	510.6
50°	2866.3	2433.9	960.0	517.4	534.4	605.9	612.7	554.9	510.6	469.8	463.0
52.5°	3094.3	2559.9	851.0	480.0	507.2	588.9	585.5	534.4	476.6	432.3	428.9
55°	3295.2	2685.8	708.1	442.5	480.0	565.1	575.3	514.0	435.7	394.9	388.1
57.5°	3441.5	2716.5	565.1	405.1	452.7	537.8	551.5	473.2	408.5	374.5	371.0
60°	3468.8	2597.3	459.6	374.5	415.3	500.4	510.6	449.3	388.1	360.8	354.0
62.5°	3342.8	2369.3	391.5	347.2	384.7	463.0	483.4	422.1	367.6	343.8	340.4
65°	3056.9	2035.7	343.8	323.4	364.2	435.7	459.6	401.7	350.6	330.2	326.8
67.5°	2420.3	1562.5	306.4	306.4	337.0	408.5	442.5	388.1	333.6	320.0	316.6
70°	1582.9	939.5	279.1	282.5	316.6	384.7	422.1	371.0	313.2	309.8	303.0
72.5°	680.8	432.3	248.5	258.7	285.9	343.8	391.5	347.2	289.3	279.1	268.9
75°	313.2	262.1	224.7	231.5	255.3	303.0	354.0	320.0	268.9	251.9	241.7
77.5°	221.3	190.6	187.2	200.8	217.9	262.1	313.2	299.6	248.5	234.9	228.1
80°	163.4	146.4	156.6	170.2	180.4	241.7	296.2	275.7	228.1	207.7	197.4
82.5°	115.7	108.9	122.5	136.2	146.4	211.1	272.3	241.7	190.6	173.6	156.6
85°	68.1	71.5	85.1	91.9	102.1	156.6	228.1	194.0	146.4	112.3	108.9
87.5°	30.6	30.6	40.8	44.3	51.1	91.9	153.2	122.5	91.9	71.5	68.1
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)