

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: P675099

Luminaire Tested: **CCW-SA-2E-727-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675099
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-727-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T4FT distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

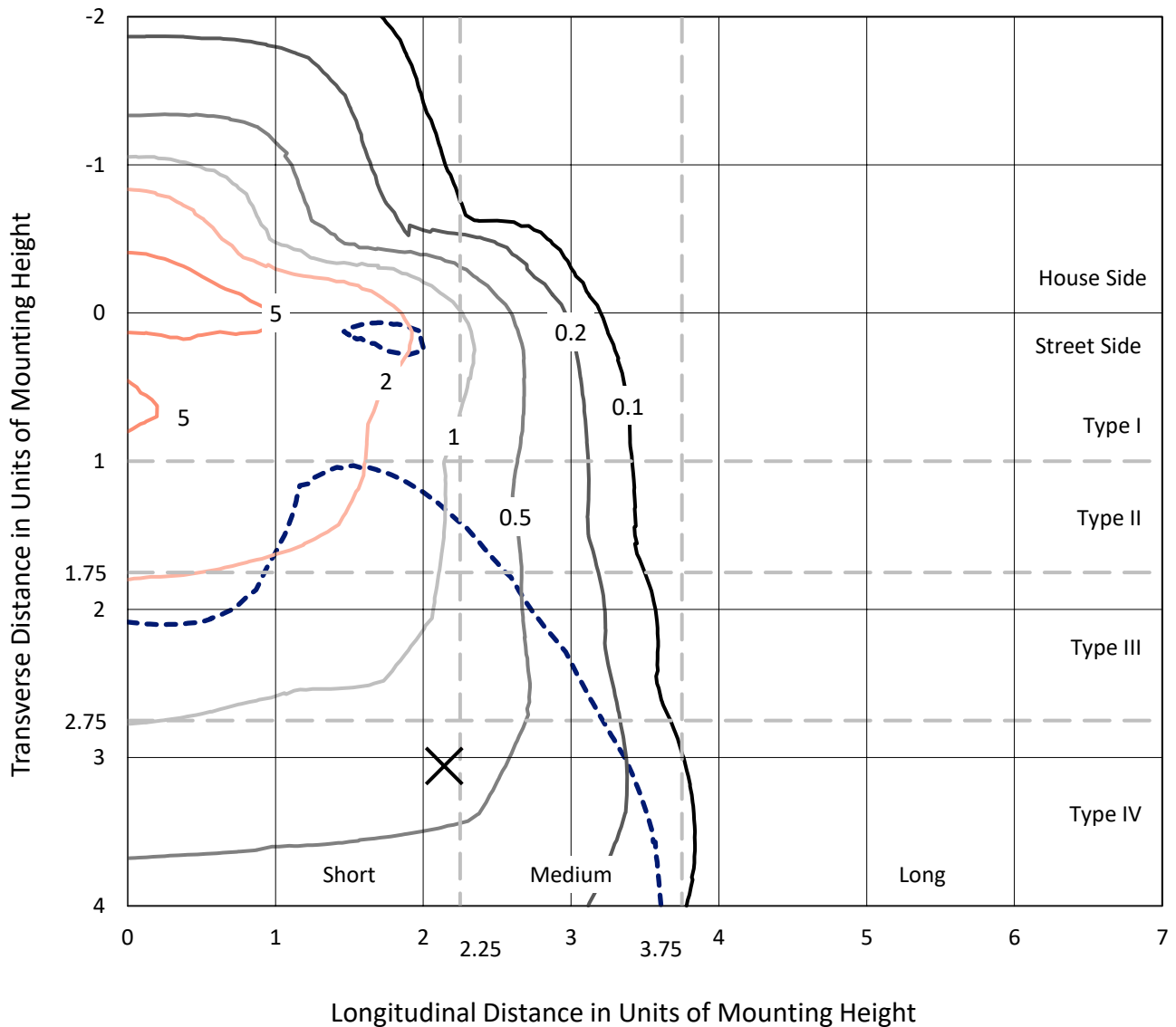
Lumens per Lamp: N/A
Luminaire Lumens: 11427.7 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

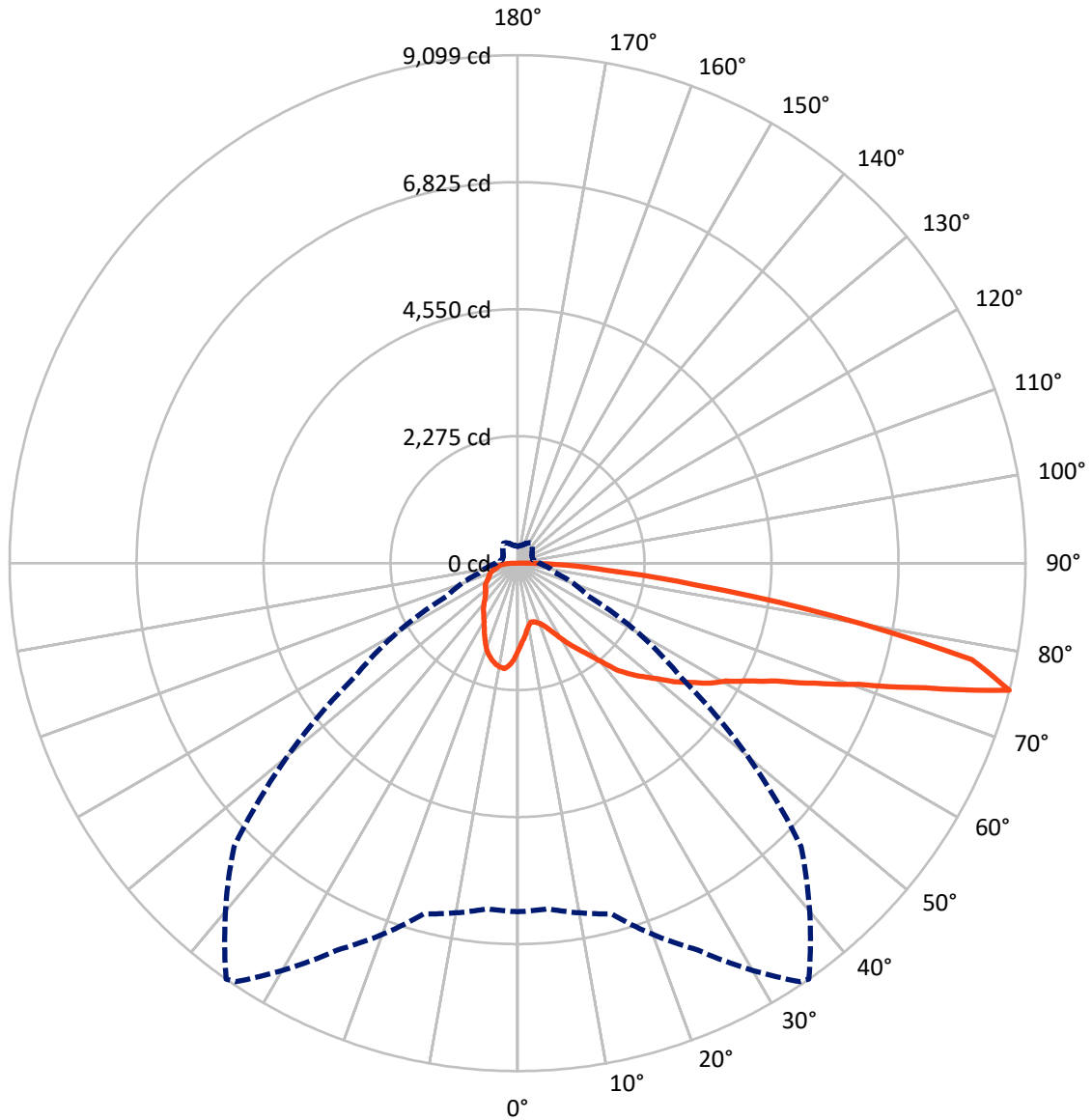
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.3 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	2626.4	0.0	2626.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8801.3	0.0	8801.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	11427.7	0.0	11427.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	1.3
10°-20°	433.0	3.8
20°-30°	718.4	6.3
30°-40°	1065.0	9.3
40°-50°	1535.6	13.4
50°-60°	2111.7	18.5
60°-70°	2608.4	22.8
70°-80°	2386.3	20.9
80°-90°	420.1	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°	11427.7	100.0
0°-180°	11427.7	100.0



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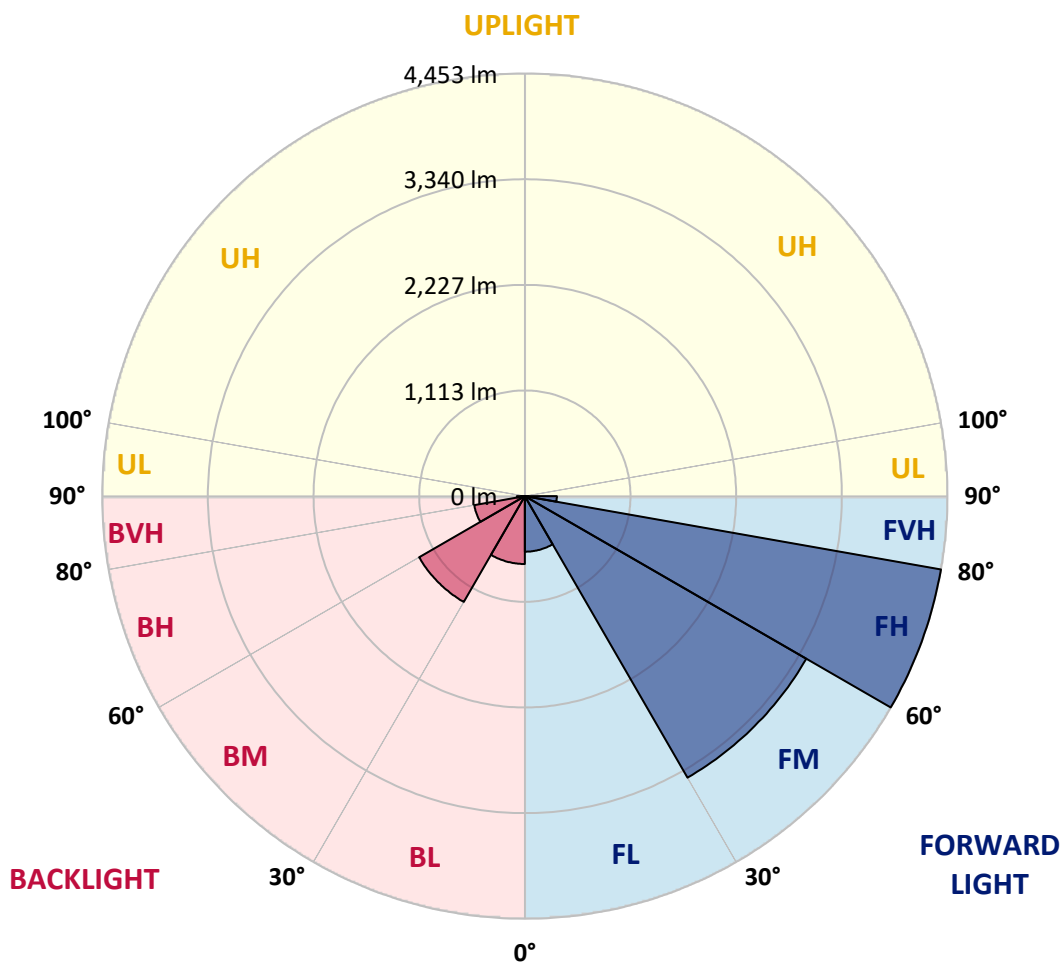
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.7	5.1			
FM (30°-60°)	3425.3	30.0			
FH (60°-80°)	4453.1	39.0			G2/5000
FVH (80°-90°)	337.1	3.0			G3/500
BL (0°-30°)	714.9	6.3	B2/1000		
BM (30°-60°)	1287.0	11.3	B2/2500		
BH (60°-80°)	541.6	4.7	B2/1000		G2/1000
BVH (80°-90°)	83.0	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°	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7
2.5°	1418.4	1405.7	1418.4	1426.8	1426.8	1426.8	1439.4	1477.3	1502.5	1519.4	1548.8
5°	1271.1	1275.3	1283.7	1304.7	1317.3	1317.3	1346.8	1393.1	1431.0	1485.7	1548.8
7.5°	1140.6	1149.0	1161.6	1182.7	1212.1	1207.9	1254.2	1317.3	1388.9	1460.4	1553.0
10°	1073.2	1090.1	1094.3	1098.5	1128.0	1128.0	1191.1	1262.6	1351.0	1443.6	1553.0
12.5°	1085.9	1085.9	1073.2	1069.0	1085.9	1081.7	1136.4	1220.5	1317.3	1447.8	1569.9
15°	1123.7	1123.7	1098.5	1073.2	1098.5	1090.1	1136.4	1203.7	1317.3	1452.0	1603.5
17.5°	1174.2	1178.5	1149.0	1106.9	1115.3	1119.5	1153.2	1216.3	1317.3	1460.4	1649.8
20°	1275.3	1254.2	1207.9	1140.6	1170.0	1157.4	1207.9	1262.6	1342.6	1494.1	1717.2
22.5°	1363.6	1363.6	1275.3	1216.3	1220.5	1220.5	1266.8	1313.1	1380.5	1540.4	1767.7
25°	1506.7	1498.3	1388.9	1300.5	1308.9	1313.1	1338.4	1393.1	1443.6	1565.7	1830.8
27.5°	1687.7	1666.7	1557.2	1456.2	1422.6	1435.2	1447.8	1489.9	1502.5	1607.8	1906.6
30°	1881.3	1851.9	1759.3	1599.3	1582.5	1586.7	1565.7	1590.9	1574.1	1675.1	1982.3
32.5°	2003.4	2003.4	1915.0	1797.1	1750.9	1750.9	1679.3	1696.1	1696.1	1738.2	2117.0
35°	2108.6	2100.2	2041.3	1952.9	1923.4	1906.6	1835.0	1860.3	1818.2	1860.3	2306.4
37.5°	2268.5	2243.3	2218.0	2159.1	2100.2	2087.6	2049.7	2066.5	2007.6	1986.5	2521.1
40°	2453.7	2441.1	2415.8	2390.6	2331.7	2327.5	2285.4	2302.2	2239.1	2159.1	2735.7
42.5°	2727.3	2689.4	2609.4	2588.4	2601.0	2617.9	2601.0	2571.6	2457.9	2356.9	2967.2
45°	3000.9	2941.9	2790.4	2756.7	2853.6	2840.9	2912.5	2899.8	2714.7	2554.7	3211.3
47.5°	3177.6	3127.1	3005.1	2984.0	3026.1	3042.9	3257.6	3219.7	2925.1	2735.7	3447.0
50°	3303.9	3308.1	3148.2	3202.9	3257.6	3257.6	3527.0	3522.7	3181.8	2958.8	3754.2
52.5°	3489.1	3430.2	3362.8	3413.3	3489.1	3531.2	3863.7	3771.1	3341.8	3148.2	4099.3
55°	3585.9	3560.6	3501.7	3590.1	3750.0	3771.1	4124.6	4053.1	3522.7	3371.2	4452.9
57.5°	3623.8	3644.8	3741.6	3779.5	4002.5	4057.3	4360.3	4259.3	3691.1	3649.0	4726.5
60°	3792.1	3762.6	3893.1	4044.6	4259.3	4288.7	4654.9	4436.0	3855.2	3830.0	4814.8
62.5°	4133.0	4057.3	4128.8	4309.8	4608.6	4646.5	4966.4	4671.7	3926.8	3952.0	4810.6
65°	4629.7	4574.9	4469.7	4612.8	5033.7	5088.4	5332.5	4873.8	3905.7	3910.0	4469.7
67.5°	5214.7	5126.3	5016.9	5105.2	5618.7	5745.0	5778.6	4962.1	3758.4	3674.3	3636.4
70°	5728.1	5669.2	5597.7	5749.2	6464.7	6511.0	6334.2	4907.4	3350.2	2950.4	2424.3
72.5°	6207.9	6178.5	6220.6	6788.8	7609.5	7638.9	6856.1	4562.3	2647.3	1788.7	1128.0
75°	6245.8	6216.4	6506.8	7647.3	9044.7	9099.4	7180.2	3577.5	1397.3	728.1	475.6
77.5°	4229.8	4318.2	4861.1	6696.2	8308.1	8320.8	5871.2	1662.5	576.6	429.3	332.5
80°	1039.6	1153.2	1830.8	3463.8	5601.9	5740.8	3215.5	559.8	378.8	328.3	248.3
82.5°	378.8	412.5	745.0	1565.7	3148.2	3202.9	1123.7	303.0	273.6	252.5	181.0
85°	181.0	185.2	353.5	770.2	1590.9	1574.1	404.0	181.0	197.8	172.6	109.4
87.5°	75.8	75.8	155.7	357.7	702.9	681.8	130.5	84.2	113.6	101.0	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°	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7
2.5°	1569.9	1578.3	1612.0	1637.2	1662.5	1683.5	1717.2	1717.2	1738.2	1738.2	1738.2
5°	1565.7	1612.0	1666.7	1725.6	1763.5	1801.4	1835.0	1839.2	1851.9	1868.7	1872.9
7.5°	1582.5	1628.8	1717.2	1801.4	1847.7	1864.5	1906.6	1893.9	1893.9	1893.9	1906.6
10°	1616.2	1666.7	1788.7	1864.5	1898.2	1902.4	1889.7	1881.3	1856.1	1847.7	1835.0
12.5°	1641.4	1729.8	1851.9	1910.8	1898.2	1885.5	1856.1	1814.0	1784.5	1776.1	1776.1
15°	1704.6	1792.9	1906.6	1927.6	1906.6	1839.2	1801.4	1755.1	1729.8	1691.9	1708.8
17.5°	1759.3	1860.3	1961.3	1936.0	1893.9	1788.7	1734.0	1666.7	1633.0	1590.9	1590.9
20°	1830.8	1923.4	2011.8	1944.5	1851.9	1738.2	1649.8	1565.7	1519.4	1477.3	1485.7
22.5°	1910.8	1995.0	2041.3	1910.8	1788.7	1658.3	1536.2	1456.2	1397.3	1372.1	1380.5
25°	1973.9	2066.5	2058.1	1856.1	1713.0	1557.2	1422.6	1346.8	1334.2	1308.9	1308.9
27.5°	2053.9	2150.7	2045.5	1788.7	1586.7	1397.3	1313.1	1283.7	1283.7	1271.1	1279.5
30°	2159.1	2226.4	2016.0	1691.9	1426.8	1254.2	1212.1	1229.0	1258.4	1245.8	1250.0
32.5°	2331.7	2323.2	1990.8	1582.5	1258.4	1115.3	1144.8	1178.5	1203.7	1216.3	1224.8
35°	2500.0	2445.3	1961.3	1435.2	1102.7	1048.0	1073.2	1111.1	1157.4	1170.0	1174.2
37.5°	2668.4	2571.6	1910.8	1254.2	1005.9	989.1	1014.3	1035.4	1073.2	1081.7	1090.1
40°	2845.1	2655.7	1822.4	1077.4	925.9	925.9	942.8	947.0	968.0	980.6	989.1
42.5°	3000.9	2735.7	1662.5	913.3	841.8	871.2	875.4	867.0	850.2	858.6	862.8
45°	3190.3	2824.1	1477.3	795.5	778.6	816.5	824.9	791.2	761.8	745.0	736.5
47.5°	3375.4	2916.7	1317.3	698.7	719.7	778.6	778.6	740.7	690.2	648.2	631.3
50°	3543.8	3009.3	1186.9	639.7	660.8	749.2	757.6	686.0	631.3	580.8	572.4
52.5°	3825.8	3165.0	1052.2	593.4	627.1	728.1	723.9	660.8	589.2	534.5	530.3
55°	4074.1	3320.7	875.4	547.1	593.4	698.7	711.3	635.5	538.7	488.2	479.8
57.5°	4255.1	3358.6	698.7	500.8	559.8	665.0	681.8	585.0	505.1	463.0	458.8
60°	4288.7	3211.3	568.2	463.0	513.5	618.7	631.3	555.6	479.8	446.1	437.7
62.5°	4133.0	2929.3	484.0	429.3	475.6	572.4	597.6	521.9	454.5	425.1	420.9
65°	3779.5	2516.8	425.1	399.8	450.3	538.7	568.2	496.6	433.5	408.3	404.0
67.5°	2992.4	1931.8	378.8	378.8	416.7	505.1	547.1	479.8	412.5	395.6	391.4
70°	1957.1	1161.6	345.1	349.3	391.4	475.6	521.9	458.8	387.2	383.0	374.6
72.5°	841.8	534.5	307.2	319.9	353.5	425.1	484.0	429.3	357.7	345.1	332.5
75°	387.2	324.1	277.8	286.2	315.7	374.6	437.7	395.6	332.5	311.4	298.8
77.5°	273.6	235.7	231.5	248.3	269.4	324.1	387.2	370.4	307.2	290.4	282.0
80°	202.0	181.0	193.6	210.4	223.1	298.8	366.2	340.9	282.0	256.7	244.1
82.5°	143.1	134.7	151.5	168.4	181.0	260.9	336.7	298.8	235.7	214.6	193.6
85°	84.2	88.4	105.2	113.6	126.3	193.6	282.0	239.9	181.0	138.9	134.7
87.5°	37.9	37.9	50.5	54.7	63.1	113.6	189.4	151.5	113.6	88.4	84.2
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)