

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: P675131

Luminaire Tested: **CCW-SA-2D-740-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675131
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-740-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4FT distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

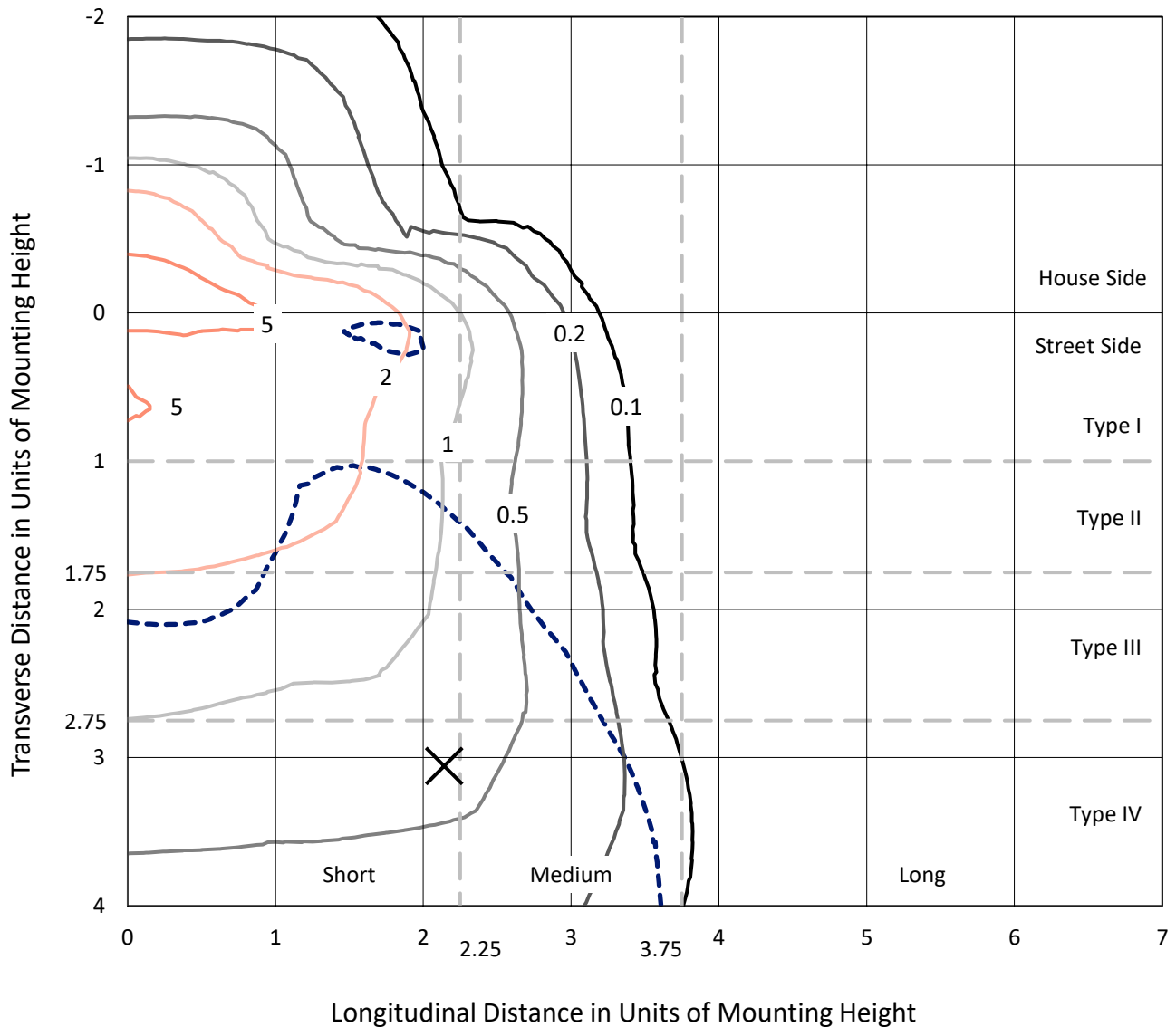
Lumens per Lamp: N/A
Luminaire Lumens: 11145.9 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
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

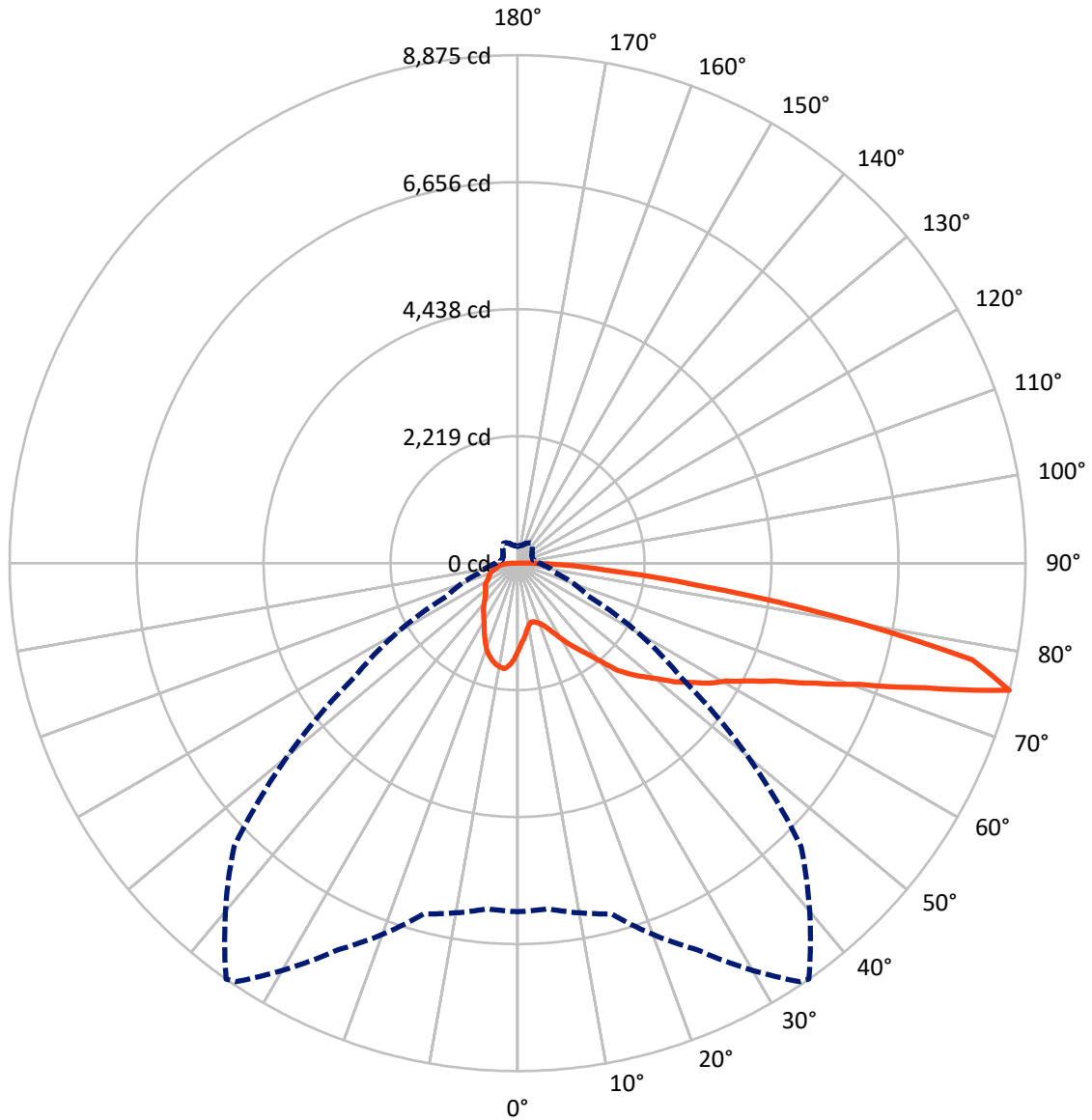
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 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	2561.6	0.0	2561.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8584.3	0.0	8584.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	11145.9	0.0	11145.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	1.3
10°-20°	422.3	3.8
20°-30°	700.7	6.3
30°-40°	1038.7	9.3
40°-50°	1497.7	13.4
50°-60°	2059.6	18.5
60°-70°	2544.1	22.8
70°-80°	2327.5	20.9
80°-90°	409.7	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°	11145.9	100.0
0°-180°	11145.9	100.0



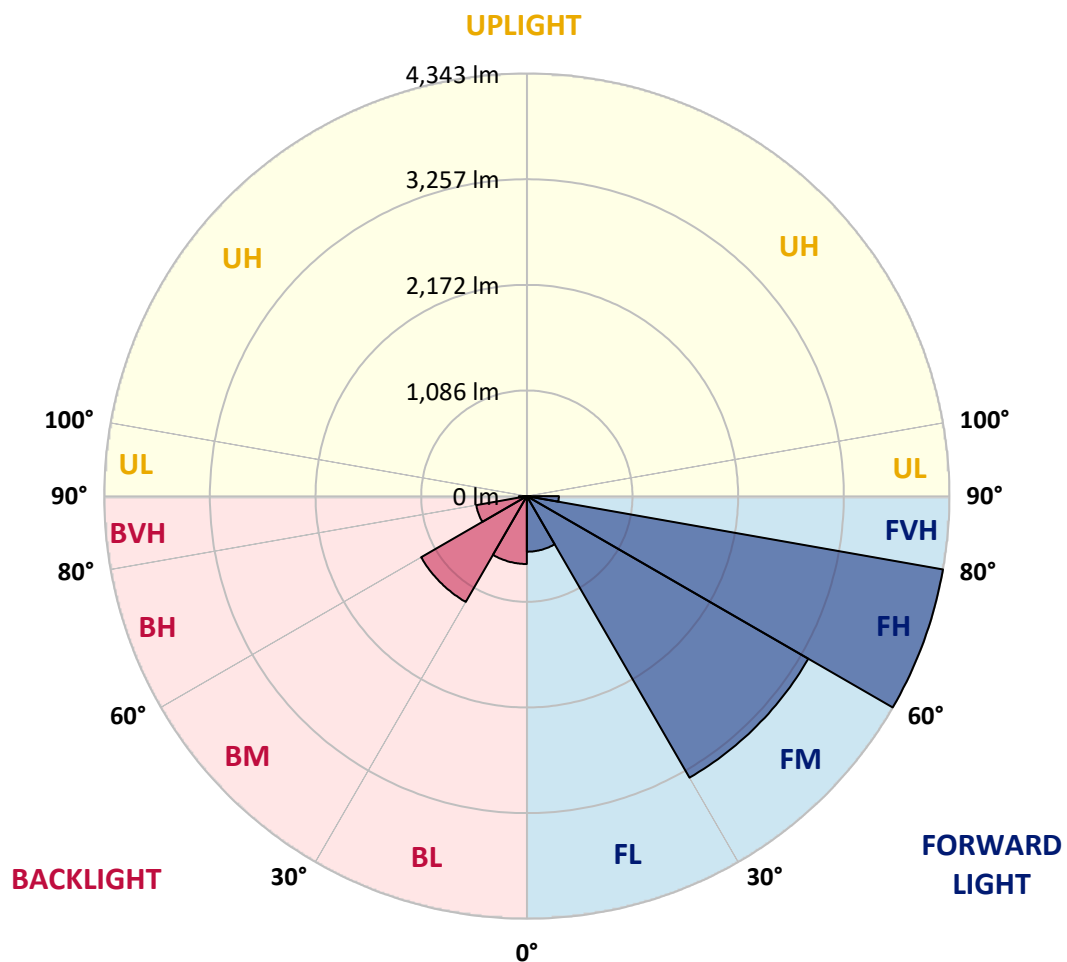
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.3	5.1			
FM (30°-60°)	3340.8	30.0			
FH (60°-80°)	4343.3	39.0			G2/5000
FVH (80°-90°)	328.8	3.0			G3/500
BL (0°-30°)	697.2	6.3	B2/1000		
BM (30°-60°)	1255.3	11.3	B2/2500		
BH (60°-80°)	528.2	4.7	B2/1000		G2/1000
BVH (80°-90°)	80.9	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°	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1
2.5°	1383.4	1371.1	1383.4	1391.6	1391.6	1391.6	1403.9	1440.8	1465.5	1481.9	1510.6
5°	1239.7	1243.8	1252.0	1272.5	1284.9	1293.1	1313.6	1358.7	1395.7	1449.1	1510.6
7.5°	1112.5	1120.7	1133.0	1153.5	1182.2	1178.1	1223.3	1284.9	1354.6	1424.4	1514.7
10°	1046.8	1063.2	1067.3	1071.4	1100.1	1100.1	1161.7	1231.5	1317.7	1408.0	1514.7
12.5°	1059.1	1059.1	1046.8	1042.7	1059.1	1055.0	1108.3	1190.4	1284.9	1412.1	1531.2
15°	1096.0	1096.0	1071.4	1046.8	1071.4	1063.2	1108.3	1174.0	1284.9	1416.2	1564.0
17.5°	1145.3	1149.4	1120.7	1079.6	1087.8	1091.9	1124.8	1186.3	1284.9	1424.4	1609.2
20°	1243.8	1223.3	1178.1	1112.5	1141.2	1128.9	1178.1	1231.5	1309.5	1457.3	1674.8
22.5°	1330.0	1330.0	1243.8	1186.3	1190.4	1190.4	1235.6	1280.8	1346.4	1502.4	1724.1
25°	1469.6	1461.4	1354.6	1268.4	1276.6	1280.8	1305.4	1358.7	1408.0	1527.1	1785.7
27.5°	1646.1	1625.6	1518.8	1420.3	1387.5	1399.8	1412.1	1453.2	1465.5	1568.1	1859.6
30°	1834.9	1806.2	1715.9	1559.9	1543.5	1547.6	1527.1	1551.7	1535.3	1633.8	1933.4
32.5°	1954.0	1954.0	1867.8	1752.8	1707.7	1707.7	1637.9	1654.3	1654.3	1695.4	2064.8
35°	2056.6	2048.4	1990.9	1904.7	1876.0	1859.6	1789.8	1814.4	1773.4	1814.4	2249.5
37.5°	2212.6	2188.0	2163.3	2105.9	2048.4	2036.1	1999.1	2015.5	1958.1	1937.6	2458.9
40°	2393.2	2380.9	2356.3	2331.6	2274.2	2270.1	2229.0	2245.4	2183.9	2105.9	2668.2
42.5°	2660.0	2623.1	2545.1	2524.6	2536.9	2553.3	2536.9	2508.1	2397.3	2298.8	2894.0
45°	2926.9	2869.4	2721.6	2688.8	2783.2	2770.9	2840.6	2828.3	2647.7	2491.7	3132.1
47.5°	3099.3	3050.0	2931.0	2910.4	2951.5	2967.9	3177.3	3140.3	2853.0	2668.2	3362.0
50°	3222.4	3226.5	3070.5	3123.9	3177.3	3177.3	3440.0	3435.9	3103.4	2885.8	3661.6
52.5°	3403.0	3345.6	3279.9	3329.1	3403.0	3444.1	3768.4	3678.1	3259.4	3070.5	3998.3
55°	3497.4	3472.8	3415.3	3501.5	3657.5	3678.1	4022.9	3953.1	3435.9	3288.1	4343.1
57.5°	3534.4	3554.9	3649.3	3686.3	3903.8	3957.2	4252.8	4154.2	3600.1	3559.0	4609.9
60°	3698.6	3669.9	3797.1	3944.9	4154.2	4183.0	4540.1	4326.7	3760.2	3735.5	4696.1
62.5°	4031.1	3957.2	4027.0	4203.5	4495.0	4531.9	4843.9	4556.5	3829.9	3854.6	4692.0
65°	4515.5	4462.1	4359.5	4499.1	4909.6	4962.9	5201.0	4753.6	3809.4	3813.5	4359.5
67.5°	5086.1	4999.9	4893.1	4979.3	5480.2	5603.3	5636.1	4839.8	3665.7	3583.6	3546.7
70°	5586.9	5529.4	5459.6	5607.4	6305.3	6350.4	6178.0	4786.4	3267.6	2877.6	2364.5
72.5°	6054.8	6026.1	6067.2	6621.3	7421.8	7450.5	6687.0	4449.8	2582.0	1744.6	1100.1
75°	6091.8	6063.1	6346.3	7458.8	8821.6	8875.0	7003.1	3489.2	1362.9	710.2	463.9
77.5°	4125.5	4211.7	4741.3	6531.0	8103.2	8115.5	5726.4	1621.5	562.4	418.7	324.3
80°	1013.9	1124.8	1785.7	3378.4	5463.7	5599.2	3136.2	546.0	369.4	320.2	242.2
82.5°	369.4	402.3	726.6	1527.1	3070.5	3123.9	1096.0	295.6	266.8	246.3	176.5
85°	176.5	180.6	344.8	751.2	1551.7	1535.3	394.1	176.5	192.9	168.3	106.7
87.5°	73.9	73.9	151.9	348.9	685.5	665.0	127.3	82.1	110.8	98.5	53.4
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°	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1	1527.1
2.5°	1531.2	1539.4	1572.2	1596.8	1621.5	1642.0	1674.8	1674.8	1695.4	1695.4	1695.4
5°	1527.1	1572.2	1625.6	1683.0	1720.0	1756.9	1789.8	1793.9	1806.2	1822.6	1826.7
7.5°	1543.5	1588.6	1674.8	1756.9	1802.1	1818.5	1859.6	1847.2	1847.2	1847.2	1859.6
10°	1576.3	1625.6	1744.6	1818.5	1851.3	1855.5	1843.1	1834.9	1810.3	1802.1	1789.8
12.5°	1600.9	1687.1	1806.2	1863.7	1851.3	1839.0	1810.3	1769.2	1740.5	1732.3	1732.3
15°	1662.5	1748.7	1859.6	1880.1	1859.6	1793.9	1756.9	1711.8	1687.1	1650.2	1666.6
17.5°	1715.9	1814.4	1912.9	1888.3	1847.2	1744.6	1691.3	1625.6	1592.7	1551.7	1551.7
20°	1785.7	1876.0	1962.2	1896.5	1806.2	1695.4	1609.2	1527.1	1481.9	1440.8	1449.1
22.5°	1863.7	1945.8	1990.9	1863.7	1744.6	1617.4	1498.3	1420.3	1362.9	1338.2	1346.4
25°	1925.2	2015.5	2007.3	1810.3	1670.7	1518.8	1387.5	1313.6	1301.3	1276.6	1276.6
27.5°	2003.2	2097.6	1995.0	1744.6	1547.6	1362.9	1280.8	1252.0	1252.0	1239.7	1247.9
30°	2105.9	2171.5	1966.3	1650.2	1391.6	1223.3	1182.2	1198.7	1227.4	1215.1	1219.2
32.5°	2274.2	2265.9	1941.7	1543.5	1227.4	1087.8	1116.6	1149.4	1174.0	1186.3	1194.5
35°	2438.4	2385.0	1912.9	1399.8	1075.5	1022.1	1046.8	1083.7	1128.9	1141.2	1145.3
37.5°	2602.6	2508.1	1863.7	1223.3	981.1	964.7	989.3	1009.8	1046.8	1055.0	1063.2
40°	2775.0	2590.2	1777.5	1050.9	903.1	903.1	919.5	923.6	944.1	956.5	964.7
42.5°	2926.9	2668.2	1621.5	890.8	821.0	849.7	853.8	845.6	829.2	837.4	841.5
45°	3111.6	2754.4	1440.8	775.8	759.4	796.4	804.6	771.7	743.0	726.6	718.4
47.5°	3292.2	2844.8	1284.9	681.4	702.0	759.4	759.4	722.5	673.2	632.2	615.7
50°	3456.4	2935.1	1157.6	624.0	644.5	730.7	738.9	669.1	615.7	566.5	558.3
52.5°	3731.4	3086.9	1026.2	578.8	611.6	710.2	706.1	644.5	574.7	521.3	517.2
55°	3973.6	3238.8	853.8	533.6	578.8	681.4	693.7	619.9	525.4	476.2	468.0
57.5°	4150.1	3275.8	681.4	488.5	546.0	648.6	665.0	570.6	492.6	451.5	447.4
60°	4183.0	3132.1	554.2	451.5	500.8	603.4	615.7	541.9	468.0	435.1	426.9
62.5°	4031.1	2857.1	472.1	418.7	463.9	558.3	582.9	509.0	443.3	414.6	410.5
65°	3686.3	2454.8	414.6	390.0	439.2	525.4	554.2	484.4	422.8	398.2	394.1
67.5°	2918.6	1884.2	369.4	369.4	406.4	492.6	533.6	468.0	402.3	385.9	381.8
70°	1908.8	1133.0	336.6	340.7	381.8	463.9	509.0	447.4	377.7	373.6	365.3
72.5°	821.0	521.3	299.7	312.0	344.8	414.6	472.1	418.7	348.9	336.6	324.3
75°	377.7	316.1	270.9	279.1	307.9	365.3	426.9	385.9	324.3	303.8	291.5
77.5°	266.8	229.9	225.8	242.2	262.7	316.1	377.7	361.2	299.7	283.2	275.0
80°	197.0	176.5	188.8	205.2	217.6	291.5	357.1	332.5	275.0	250.4	238.1
82.5°	139.6	131.4	147.8	164.2	176.5	254.5	328.4	291.5	229.9	209.4	188.8
85°	82.1	86.2	102.6	110.8	123.1	188.8	275.0	234.0	176.5	135.5	131.4
87.5°	36.9	36.9	49.3	53.4	61.6	110.8	184.7	147.8	110.8	86.2	82.1
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)