

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: P674987

Luminaire Tested: **CCW-SA-2D-740-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674987  
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-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
T3 distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

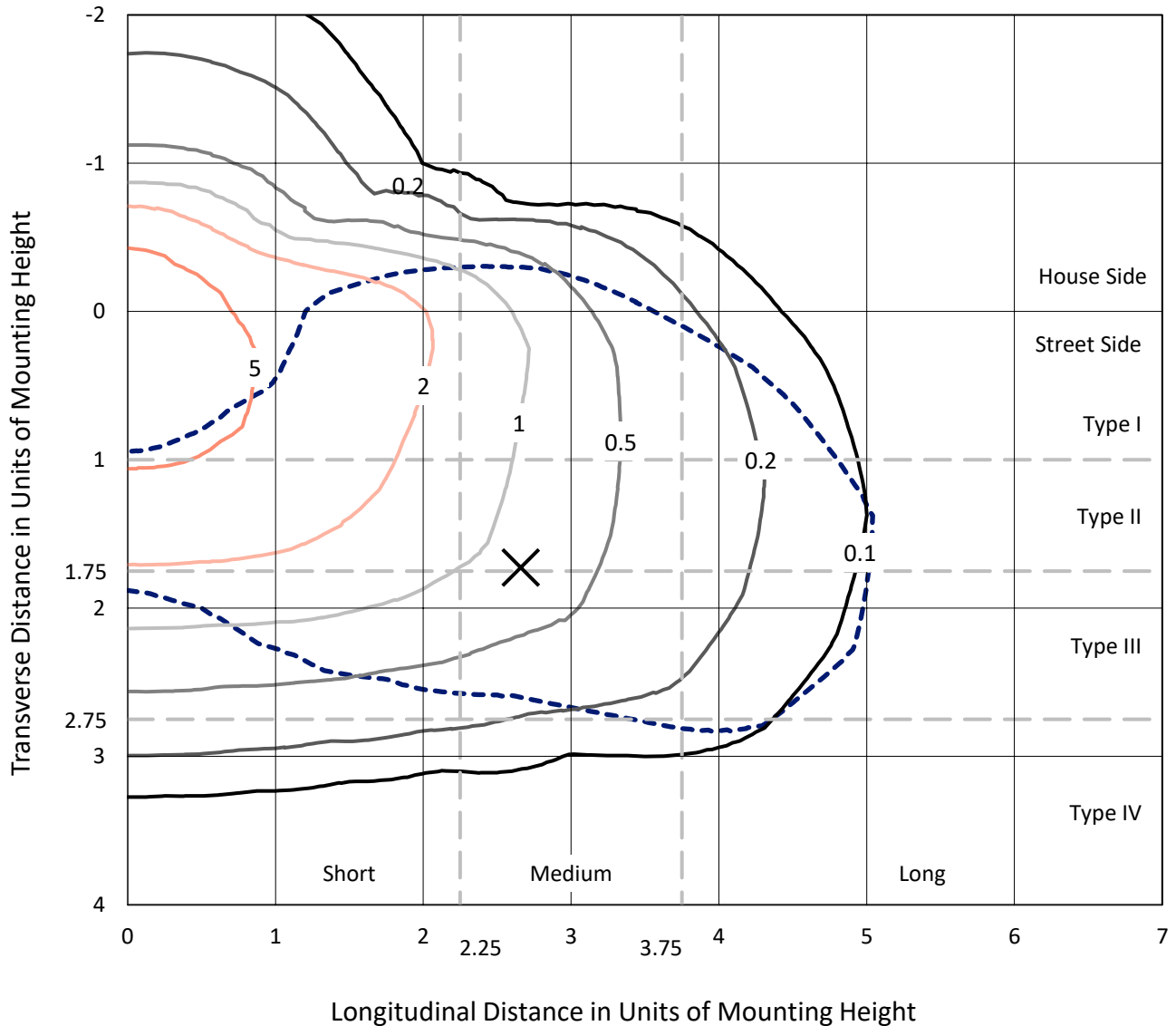
Lumens per Lamp: N/A  
Luminaire Lumens: 11268.6 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

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

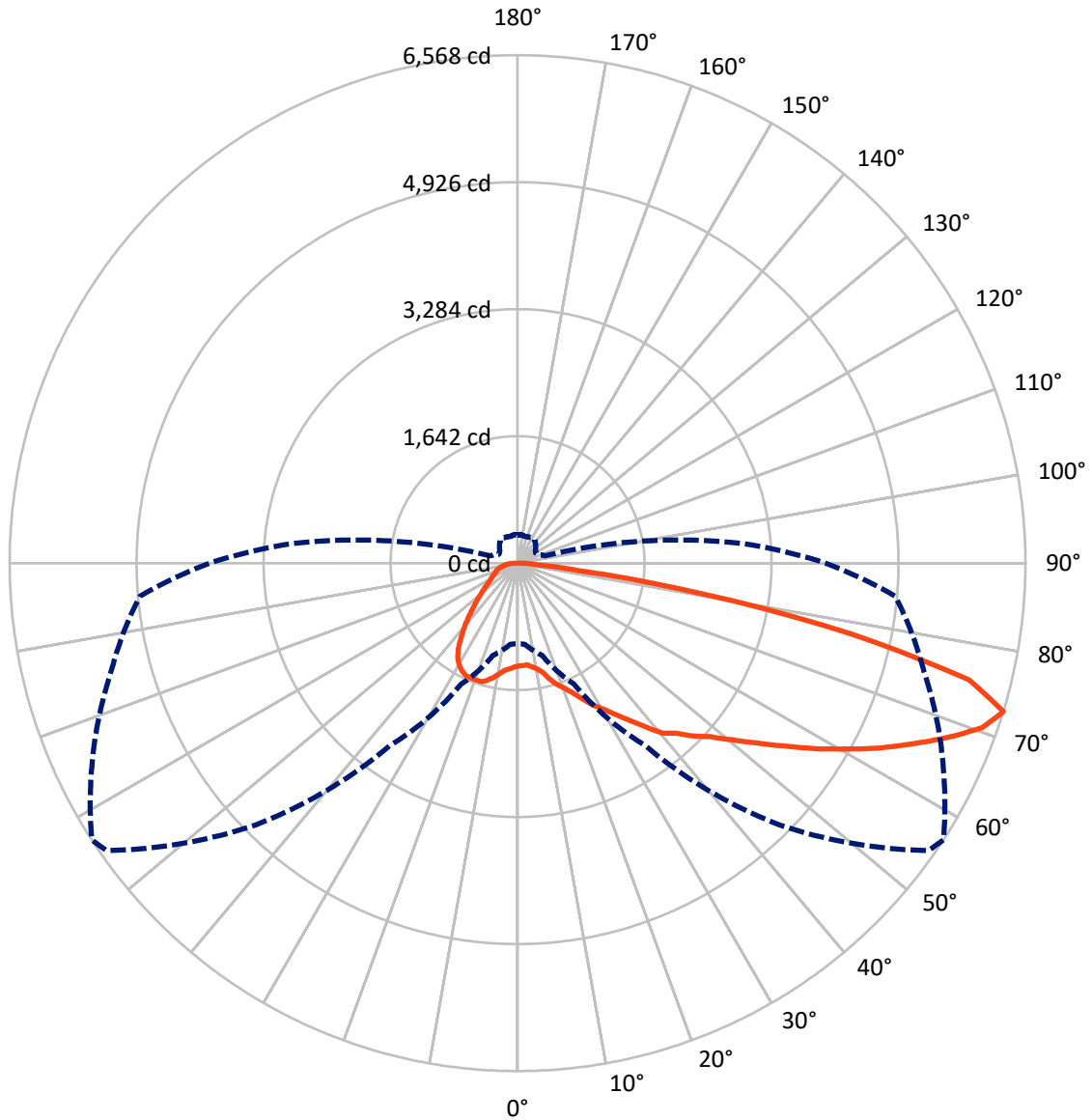
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2631.6	0.0	2631.6
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	8637.0	0.0	8637.0
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	11268.6	0.0	11268.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.0	1.2
10°-20°	444.9	3.9
20°-30°	813.4	7.2
30°-40°	1193.3	10.6
40°-50°	1643.0	14.6
50°-60°	2253.1	20.0
60°-70°	2716.0	24.1
70°-80°	1809.2	16.1
80°-90°	263.5	2.3
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°	11268.6	100.0
0°-180°	11268.6	100.0



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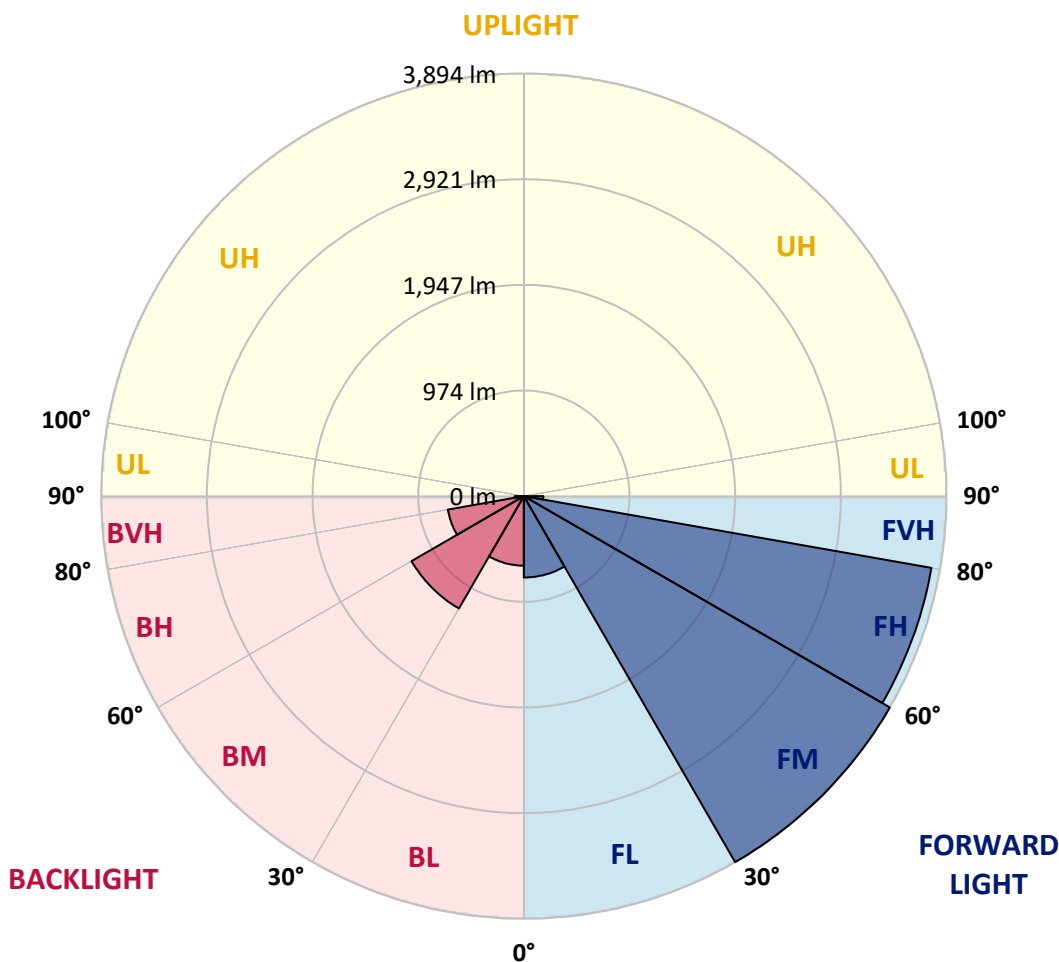
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	749.6	6.7			
FM (30°-60°)	3894.2	34.6			
FH (60°-80°)	3813.7	33.8			G2/5000
FVH (80°-90°)	179.4	1.6			G2/225
BL (0°-30°)	640.7	5.7	B2/1000		
BM (30°-60°)	1195.3	10.6	B2/2500		
BH (60°-80°)	711.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	84.1	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-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1
2.5°	1305.4	1309.5	1317.7	1313.6	1313.6	1301.3	1321.8	1325.9	1317.7	1321.8	1330.1
5°	1305.4	1313.6	1325.9	1317.7	1321.8	1317.7	1309.5	1321.8	1321.8	1325.9	1338.3
7.5°	1375.2	1371.1	1371.1	1358.8	1354.7	1350.6	1354.7	1354.7	1346.5	1350.6	1350.6
10°	1453.2	1453.2	1445.0	1445.0	1436.8	1416.3	1395.7	1391.6	1379.3	1383.4	1383.4
12.5°	1535.3	1543.5	1551.7	1527.1	1518.9	1486.0	1473.7	1449.1	1449.1	1440.9	1436.8
15°	1637.9	1625.6	1633.8	1625.6	1605.1	1572.3	1551.7	1555.8	1527.1	1518.9	1506.6
17.5°	1728.2	1732.4	1720.0	1711.8	1674.9	1650.3	1654.4	1650.3	1613.3	1601.0	1580.5
20°	1835.0	1830.9	1830.9	1806.2	1773.4	1740.6	1728.2	1724.1	1732.4	1707.7	1658.5
22.5°	1945.8	1929.4	1929.4	1908.9	1863.7	1843.2	1835.0	1818.6	1826.8	1806.2	1732.4
25°	2036.1	2036.1	2064.9	2023.8	1999.2	1958.1	1941.7	1945.8	1949.9	1908.9	1822.7
27.5°	2155.2	2134.7	2163.4	2142.9	2130.5	2085.4	2064.9	2077.2	2069.0	2023.8	1904.8
30°	2307.1	2311.2	2294.8	2266.0	2249.6	2216.8	2204.4	2192.1	2204.4	2147.0	1995.1
32.5°	2495.9	2508.2	2467.2	2434.3	2405.6	2372.8	2348.1	2335.8	2348.1	2261.9	2064.9
35°	2713.5	2725.8	2692.9	2656.0	2623.2	2541.1	2520.5	2500.0	2454.9	2315.3	2130.5
37.5°	2914.6	2898.2	2890.0	2890.0	2828.4	2709.4	2697.1	2684.7	2598.5	2422.0	2220.9
40°	3050.1	3070.6	3062.4	3054.2	3046.0	2935.1	2910.5	2890.0	2746.3	2582.1	2348.1
42.5°	3202.0	3189.7	3222.5	3234.8	3206.1	3173.2	3074.7	3004.9	2877.7	2746.3	2537.0
45°	3382.6	3374.4	3386.7	3431.9	3390.8	3403.1	3238.9	3189.7	3029.6	2951.6	2775.1
47.5°	3542.7	3563.2	3624.8	3637.1	3604.3	3661.8	3431.9	3353.9	3251.2	3189.7	3021.4
50°	3612.5	3637.1	3776.7	3862.9	3867.0	3957.3	3624.8	3592.0	3452.4	3477.0	3329.2
52.5°	3555.0	3633.0	3801.3	4027.1	4166.7	4257.0	3879.3	3862.9	3735.6	3813.6	3665.9
55°	3608.4	3682.3	3793.1	4109.2	4462.2	4482.8	4232.4	4170.8	4043.5	4150.3	4014.8
57.5°	3633.0	3592.0	3801.3	4199.5	4679.8	4733.2	4569.0	4523.8	4425.3	4527.9	4449.9
60°	3440.1	3489.3	3686.4	4174.9	4692.1	5000.0	4946.7	4881.0	4790.7	4885.1	4839.9
62.5°	3222.5	3255.3	3468.8	4027.1	4761.9	5193.0	5312.0	5262.7	5135.5	5217.6	5295.6
65°	2947.5	2951.6	3189.7	3764.4	4626.5	5303.8	5632.2	5628.1	5537.8	5517.3	5640.4
67.5°	2610.8	2643.7	2832.5	3485.2	4441.7	5426.9	5948.3	6009.9	5829.2	5669.1	5714.3
70°	2003.3	2036.1	2216.8	2857.2	4064.1	5390.0	6338.3	6371.1	6018.1	5611.7	5496.7
72.5°	1042.7	1050.9	1235.6	1724.1	2881.8	4786.6	6482.0	6568.2	6067.3	5443.4	4901.5
75°	344.8	344.8	422.8	656.8	1358.8	3062.4	5870.3	6026.3	5825.1	5024.6	4010.7
77.5°	205.3	209.4	250.4	328.4	541.9	1223.3	4137.9	4413.0	4766.0	4273.4	2931.0
80°	147.8	151.9	188.8	225.8	324.3	394.1	2077.2	2459.0	2926.9	2750.4	1564.0
82.5°	110.8	110.8	147.8	168.3	221.7	234.0	578.8	792.3	1264.4	985.2	431.0
85°	114.9	114.9	114.9	119.0	151.9	135.5	242.2	258.6	369.5	324.3	119.0
87.5°	41.1	45.2	114.9	78.0	78.0	57.5	94.4	102.6	131.4	135.5	45.2
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°	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1
2.5°	1334.2	1334.2	1338.3	1338.3	1346.5	1354.7	1367.0	1358.8	1358.8	1362.9	1358.8
5°	1330.1	1334.2	1346.5	1367.0	1375.2	1379.3	1403.9	1403.9	1403.9	1412.2	1412.2
7.5°	1346.5	1354.7	1375.2	1395.7	1399.8	1412.2	1445.0	1453.2	1473.7	1481.9	1486.0
10°	1387.5	1399.8	1416.3	1440.9	1457.3	1473.7	1498.4	1527.1	1523.0	1547.6	1551.7
12.5°	1449.1	1445.0	1473.7	1498.4	1514.8	1539.4	1547.6	1547.6	1547.6	1547.6	1555.8
15°	1498.4	1506.6	1531.2	1547.6	1568.2	1564.0	1547.6	1531.2	1535.3	1531.2	1531.2
17.5°	1572.3	1572.3	1592.8	1596.9	1605.1	1564.0	1539.4	1539.4	1551.7	1551.7	1543.5
20°	1646.1	1642.0	1650.3	1646.1	1592.8	1543.5	1539.4	1543.5	1547.6	1543.5	1539.4
22.5°	1715.9	1707.7	1695.4	1679.0	1584.6	1539.4	1531.2	1510.7	1490.2	1490.2	1477.8
25°	1777.5	1769.3	1736.5	1687.2	1580.5	1514.8	1473.7	1424.5	1399.8	1387.5	1403.9
27.5°	1835.0	1818.6	1773.4	1687.2	1543.5	1449.1	1371.1	1309.5	1289.0	1272.6	1289.0
30°	1913.0	1884.2	1822.7	1674.9	1486.0	1346.5	1239.7	1165.8	1145.3	1120.7	1128.9
32.5°	1982.8	1917.1	1863.7	1637.9	1412.2	1231.5	1108.4	1034.5	997.5	977.0	993.4
35°	2056.7	1991.0	1880.1	1580.5	1297.2	1092.0	968.8	899.0	870.3	841.5	841.5
37.5°	2130.5	2093.6	1904.8	1473.7	1157.6	960.6	849.8	796.4	747.1	693.8	693.8
40°	2286.5	2237.3	1933.5	1350.6	1018.1	833.3	755.3	685.6	636.3	562.4	558.3
42.5°	2450.7	2344.0	1933.5	1202.8	894.9	743.0	669.1	595.2	504.9	459.8	463.9
45°	2660.1	2537.0	1880.1	1071.4	771.8	669.1	587.0	492.6	451.6	422.8	422.8
47.5°	2922.8	2729.9	1814.5	927.8	673.2	603.5	500.8	443.4	414.6	390.0	385.9
50°	3234.8	2906.4	1732.4	804.6	591.1	541.9	455.7	410.5	385.9	369.5	369.5
52.5°	3563.2	3165.0	1674.9	693.8	525.5	459.8	422.8	394.1	373.6	361.2	357.1
55°	3895.7	3423.7	1633.8	574.7	463.9	422.8	414.6	390.0	381.8	369.5	361.2
57.5°	4269.3	3637.1	1625.6	492.6	414.6	406.4	422.8	402.3	390.0	377.7	365.4
60°	4671.6	3924.5	1551.7	426.9	390.0	398.2	410.5	390.0	381.8	369.5	361.2
62.5°	5069.8	4137.9	1350.6	377.7	365.4	373.6	390.0	373.6	361.2	365.4	369.5
65°	5234.0	4154.4	1046.8	340.7	336.6	340.7	365.4	361.2	348.9	373.6	373.6
67.5°	5069.8	4006.6	738.9	307.9	307.9	328.4	369.5	377.7	365.4	398.2	394.1
70°	4696.2	3641.2	500.8	287.4	295.6	348.9	381.8	373.6	357.1	398.2	390.0
72.5°	3986.1	2914.6	365.4	266.8	279.1	332.5	377.7	369.5	357.1	373.6	357.1
75°	2992.6	2073.1	287.4	242.2	246.3	299.7	390.0	369.5	336.6	328.4	316.1
77.5°	1999.2	1280.8	221.7	213.5	213.5	262.7	373.6	344.8	303.8	291.5	287.4
80°	952.4	513.1	176.5	180.6	184.7	225.8	340.7	307.9	275.0	258.6	258.6
82.5°	303.8	192.9	147.8	147.8	147.8	184.7	283.3	258.6	238.1	225.8	205.3
85°	106.7	106.7	127.3	131.4	119.0	135.5	234.0	221.7	197.0	164.2	160.1
87.5°	41.1	61.6	86.2	102.6	73.9	94.4	168.3	156.0	143.7	106.7	102.6
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)