

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: P674971

Luminaire Tested: **CCW-SA-1E-735-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674971  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-735-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T3 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6813.4 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

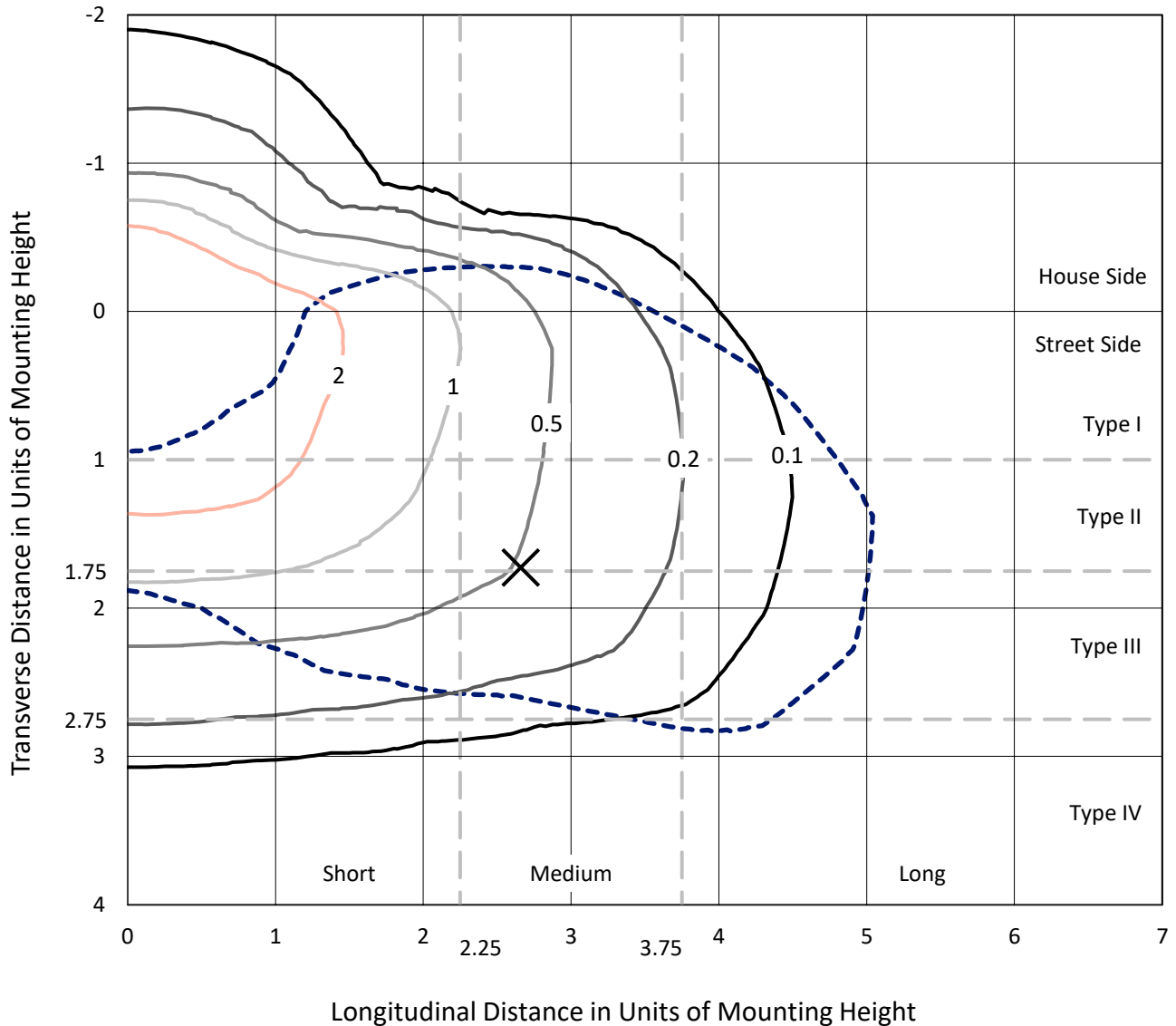
Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

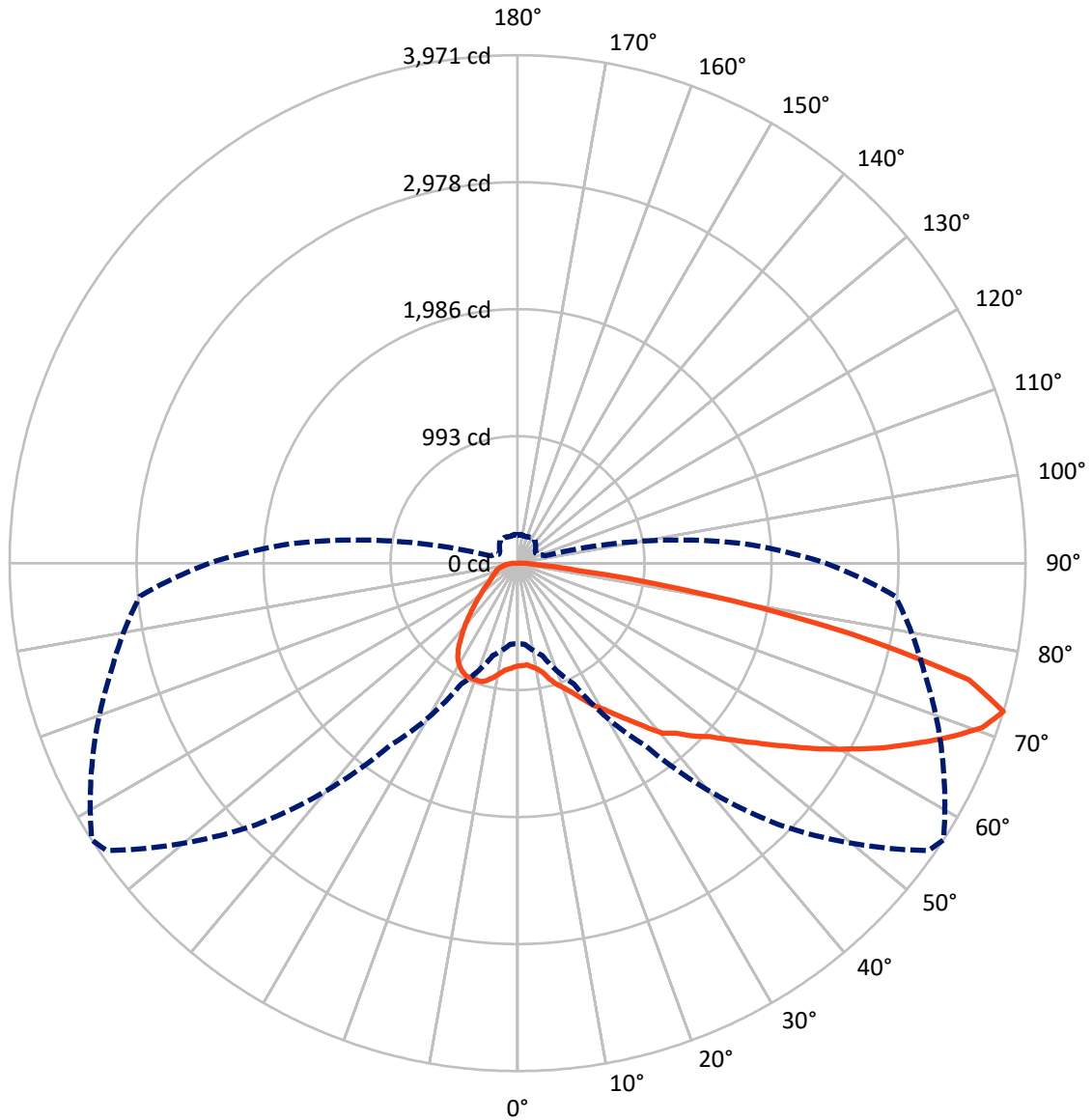
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 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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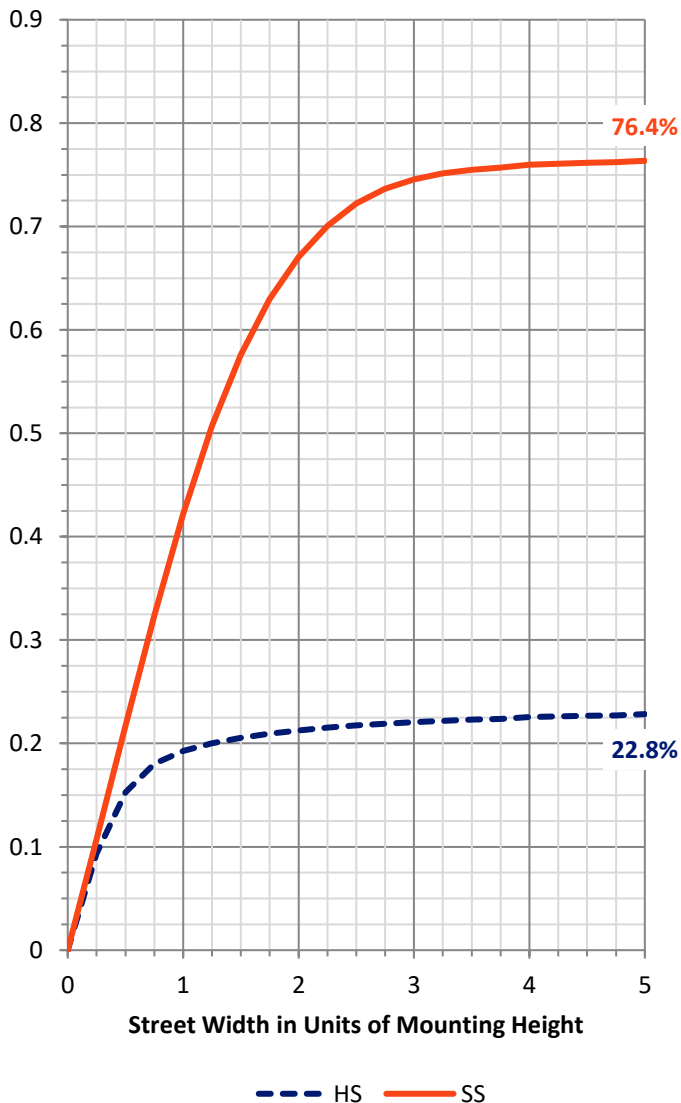
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1591.2	0.0	1591.2
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	5222.2	0.0	5222.2
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	6813.4	0.0	6813.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.8	1.2
10°-20°	269.0	3.9
20°-30°	491.8	7.2
30°-40°	721.5	10.6
40°-50°	993.4	14.6
50°-60°	1362.3	20.0
60°-70°	1642.2	24.1
70°-80°	1093.9	16.1
80°-90°	159.3	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°	6813.4	100.0
0°-180°	6813.4	100.0



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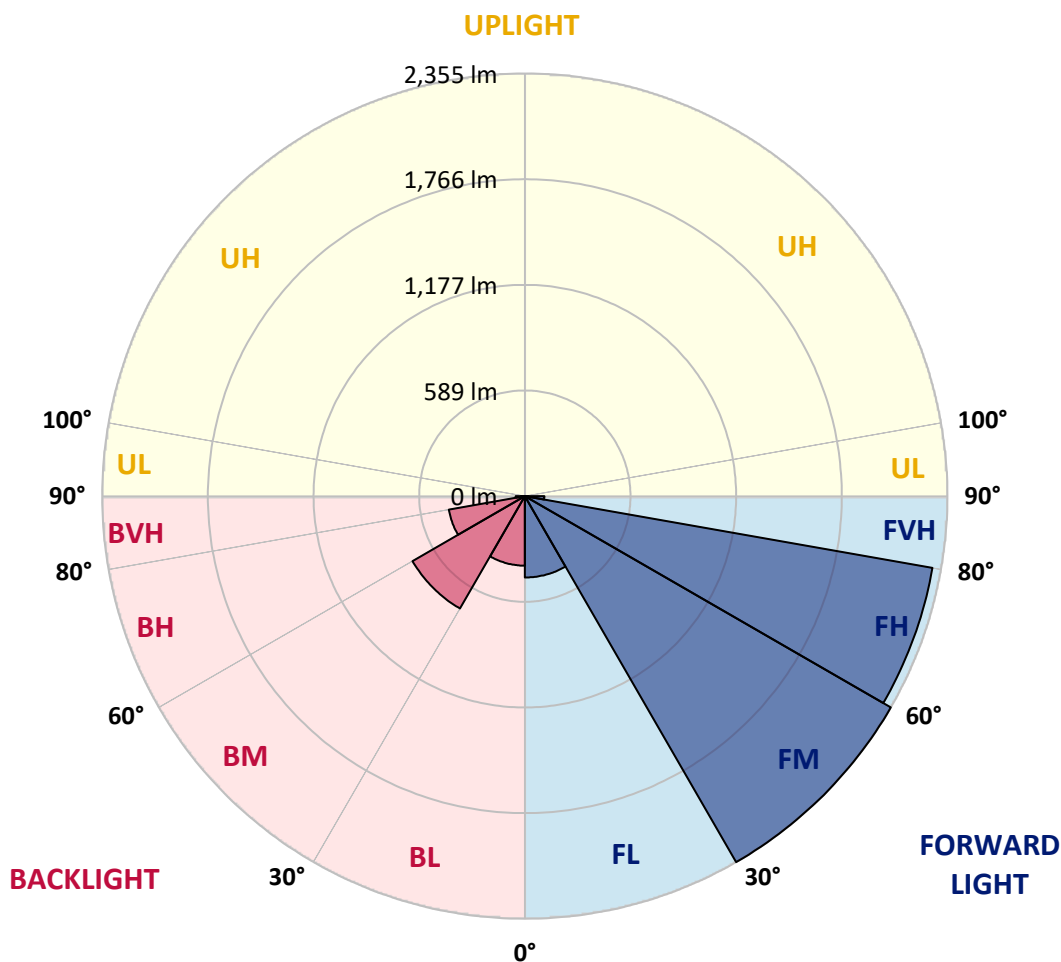
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	453.3	6.7			
FM (30°-60°)	2354.6	34.6			
FH (60°-80°)	2305.9	33.8			G2/5000
FVH (80°-90°)	108.5	1.6			G2/225
BL (0°-30°)	387.4	5.7	B1/500		
BM (30°-60°)	722.7	10.6	B1/1000		
BH (60°-80°)	430.2	6.3	B1/500		G1/500
BVH (80°-90°)	50.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2
2.5°	789.3	791.8	796.8	794.3	794.3	786.8	799.2	801.7	796.8	799.2	804.2
5°	789.3	794.3	801.7	796.8	799.2	796.8	791.8	799.2	799.2	801.7	809.2
7.5°	831.5	829.0	829.0	821.6	819.1	816.6	819.1	819.1	814.1	816.6	816.6
10°	878.7	878.7	873.7	873.7	868.7	856.3	843.9	841.4	834.0	836.5	836.5
12.5°	928.3	933.3	938.2	923.3	918.4	898.5	891.1	876.2	876.2	871.2	868.7
15°	990.4	982.9	987.9	982.9	970.5	950.6	938.2	940.7	923.3	918.4	910.9
17.5°	1045.0	1047.4	1040.0	1035.0	1012.7	997.8	1000.3	997.8	975.5	968.0	955.6
20°	1109.5	1107.0	1107.0	1092.1	1072.3	1052.4	1045.0	1042.5	1047.4	1032.5	1002.8
22.5°	1176.5	1166.6	1166.6	1154.2	1126.9	1114.5	1109.5	1099.6	1104.5	1092.1	1047.4
25°	1231.1	1231.1	1248.5	1223.7	1208.8	1184.0	1174.0	1176.5	1179.0	1154.2	1102.0
27.5°	1303.1	1290.7	1308.1	1295.7	1288.2	1260.9	1248.5	1255.9	1251.0	1223.7	1151.7
30°	1394.9	1397.4	1387.5	1370.1	1360.2	1340.3	1332.9	1325.4	1332.9	1298.1	1206.3
32.5°	1509.1	1516.6	1491.7	1471.9	1454.5	1434.6	1419.8	1412.3	1419.8	1367.6	1248.5
35°	1640.7	1648.1	1628.3	1605.9	1586.1	1536.4	1524.0	1511.6	1484.3	1399.9	1288.2
37.5°	1762.3	1752.4	1747.4	1747.4	1710.2	1638.2	1630.7	1623.3	1571.2	1464.4	1342.8
40°	1844.2	1856.6	1851.6	1846.7	1841.7	1774.7	1759.8	1747.4	1660.5	1561.2	1419.8
42.5°	1936.0	1928.6	1948.4	1955.9	1938.5	1918.7	1859.1	1816.9	1739.9	1660.5	1533.9
45°	2045.2	2040.3	2047.7	2075.0	2050.2	2057.7	1958.4	1928.6	1831.8	1784.6	1677.9
47.5°	2142.0	2154.5	2191.7	2199.1	2179.3	2214.0	2075.0	2027.9	1965.8	1928.6	1826.8
50°	2184.2	2199.1	2283.5	2335.6	2338.1	2392.7	2191.7	2171.8	2087.4	2102.3	2013.0
52.5°	2149.5	2196.7	2298.4	2434.9	2519.3	2573.9	2345.6	2335.6	2258.7	2305.9	2216.5
55°	2181.8	2226.4	2293.5	2484.6	2698.0	2710.4	2559.0	2521.8	2444.9	2509.4	2427.5
57.5°	2196.7	2171.8	2298.4	2539.2	2829.6	2861.9	2762.6	2735.3	2675.7	2737.7	2690.6
60°	2080.0	2109.8	2228.9	2524.3	2837.0	3023.2	2990.9	2951.2	2896.6	2953.7	2926.4
62.5°	1948.4	1968.3	2097.4	2434.9	2879.2	3139.8	3211.8	3182.0	3105.1	3154.7	3201.9
65°	1782.1	1784.6	1928.6	2276.1	2797.3	3206.9	3405.4	3402.9	3348.3	3335.9	3410.4
67.5°	1578.6	1598.5	1712.6	2107.3	2685.6	3281.3	3596.5	3633.8	3524.6	3427.8	3455.1
70°	1211.3	1231.1	1340.3	1727.5	2457.3	3259.0	3832.3	3852.2	3638.7	3393.0	3323.5
72.5°	630.5	635.4	747.1	1042.5	1742.4	2894.1	3919.2	3971.3	3668.5	3291.3	2963.6
75°	208.5	208.5	255.7	397.1	821.6	1851.6	3549.4	3643.7	3522.1	3038.1	2425.0
77.5°	124.1	126.6	151.4	198.6	327.6	739.7	2501.9	2668.2	2881.7	2583.9	1772.2
80°	89.4	91.8	114.2	136.5	196.1	238.3	1255.9	1486.8	1769.7	1663.0	945.7
82.5°	67.0	67.0	89.4	101.8	134.0	141.5	350.0	479.0	764.5	595.7	260.6
85°	69.5	69.5	69.5	72.0	91.8	81.9	146.4	156.4	223.4	196.1	72.0
87.5°	24.8	27.3	69.5	47.2	47.2	34.7	57.1	62.1	79.4	81.9	27.3
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°	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2
2.5°	806.7	806.7	809.2	809.2	814.1	819.1	826.5	821.6	821.6	824.1	821.6
5°	804.2	806.7	814.1	826.5	831.5	834.0	848.9	848.9	848.9	853.8	853.8
7.5°	814.1	819.1	831.5	843.9	846.4	853.8	873.7	878.7	891.1	896.0	898.5
10°	838.9	846.4	856.3	871.2	881.1	891.1	906.0	923.3	920.9	935.7	938.2
12.5°	876.2	873.7	891.1	906.0	915.9	930.8	935.7	935.7	935.7	935.7	940.7
15°	906.0	910.9	925.8	935.7	948.2	945.7	935.7	925.8	928.3	925.8	925.8
17.5°	950.6	950.6	963.1	965.5	970.5	945.7	930.8	930.8	938.2	938.2	933.3
20°	995.3	992.8	997.8	995.3	963.1	933.3	930.8	933.3	935.7	933.3	930.8
22.5°	1037.5	1032.5	1025.1	1015.2	958.1	930.8	925.8	913.4	901.0	901.0	893.6
25°	1074.7	1069.8	1049.9	1020.1	955.6	915.9	891.1	861.3	846.4	838.9	848.9
27.5°	1109.5	1099.6	1072.3	1020.1	933.3	876.2	829.0	791.8	779.4	769.4	779.4
30°	1156.7	1139.3	1102.0	1012.7	898.5	814.1	749.6	704.9	692.5	677.6	682.6
32.5°	1198.8	1159.1	1126.9	990.4	853.8	744.6	670.2	625.5	603.1	590.7	600.7
35°	1243.5	1203.8	1136.8	955.6	784.3	660.2	585.8	543.6	526.2	508.8	508.8
37.5°	1288.2	1265.9	1151.7	891.1	699.9	580.8	513.8	481.5	451.7	419.5	419.5
40°	1382.5	1352.7	1169.1	816.6	615.6	503.9	456.7	414.5	384.7	340.0	337.6
42.5°	1481.8	1417.3	1169.1	727.3	541.1	449.3	404.6	359.9	305.3	278.0	280.5
45°	1608.4	1533.9	1136.8	647.8	466.6	404.6	354.9	297.9	273.0	255.7	255.7
47.5°	1767.2	1650.6	1097.1	561.0	407.1	364.9	302.8	268.1	250.7	235.8	233.3
50°	1955.9	1757.3	1047.4	486.5	357.4	327.6	275.5	248.2	233.3	223.4	223.4
52.5°	2154.5	1913.7	1012.7	419.5	317.7	278.0	255.7	238.3	225.9	218.4	215.9
55°	2355.5	2070.1	987.9	347.5	280.5	255.7	250.7	235.8	230.8	223.4	218.4
57.5°	2581.4	2199.1	982.9	297.9	250.7	245.7	255.7	243.2	235.8	228.4	220.9
60°	2824.6	2372.9	938.2	258.1	235.8	240.8	248.2	235.8	230.8	223.4	218.4
62.5°	3065.4	2501.9	816.6	228.4	220.9	225.9	235.8	225.9	218.4	220.9	223.4
65°	3164.7	2511.9	632.9	206.0	203.5	206.0	220.9	218.4	211.0	225.9	225.9
67.5°	3065.4	2422.5	446.8	186.2	186.2	198.6	223.4	228.4	220.9	240.8	238.3
70°	2839.5	2201.6	302.8	173.7	178.7	211.0	230.8	225.9	215.9	240.8	235.8
72.5°	2410.1	1762.3	220.9	161.3	168.8	201.0	228.4	223.4	215.9	225.9	215.9
75°	1809.4	1253.5	173.7	146.4	148.9	181.2	235.8	223.4	203.5	198.6	191.1
77.5°	1208.8	774.4	134.0	129.1	129.1	158.9	225.9	208.5	183.7	176.2	173.7
80°	575.8	310.3	106.7	109.2	111.7	136.5	206.0	186.2	166.3	156.4	156.4
82.5°	183.7	116.7	89.4	89.4	89.4	111.7	171.3	156.4	144.0	136.5	124.1
85°	64.5	64.5	76.9	79.4	72.0	81.9	141.5	134.0	119.1	99.3	96.8
87.5°	24.8	37.2	52.1	62.1	44.7	57.1	101.8	94.3	86.9	64.5	62.1
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)