

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: P674981

Luminaire Tested: **CCW-SA-1D-740-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674981  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1D-740-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
T3 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

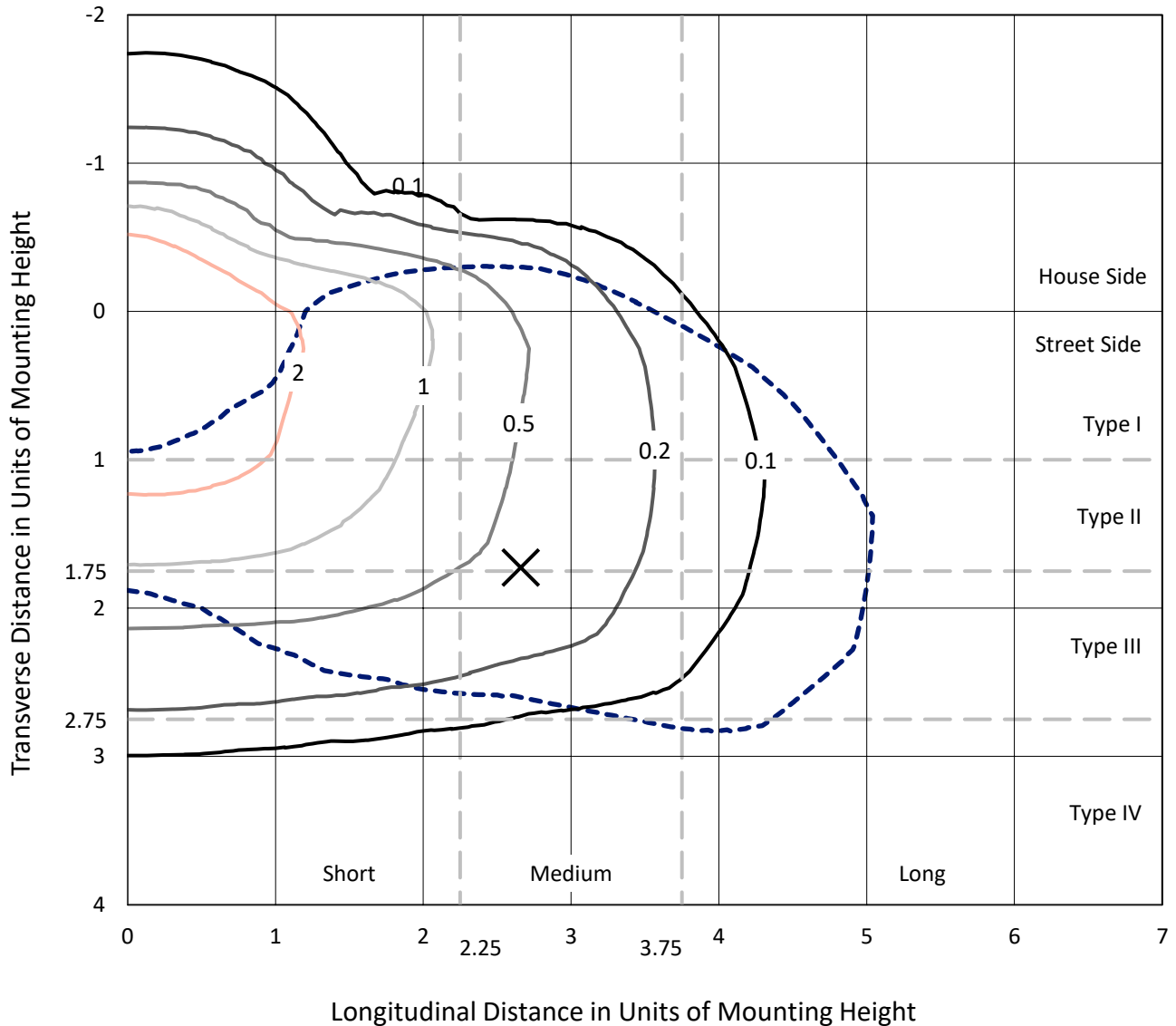
Lumens per Lamp: N/A  
Luminaire Lumens: 5634.8 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 44  
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

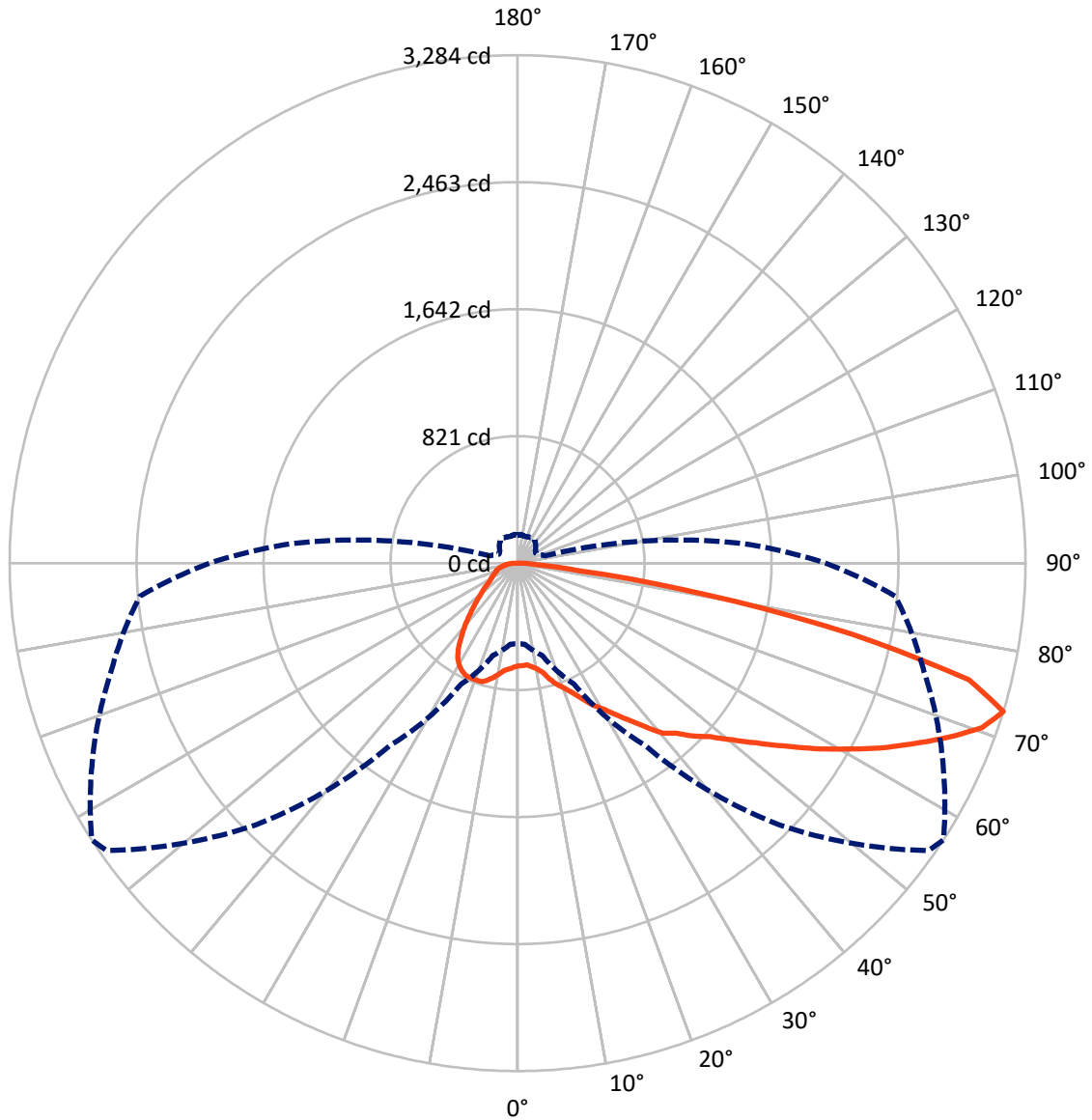
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P674981  
CATALOG NUMBER: CCW-SA-1D-740-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674981

CATALOG NUMBER: CCW-SA-1D-740-U-T3

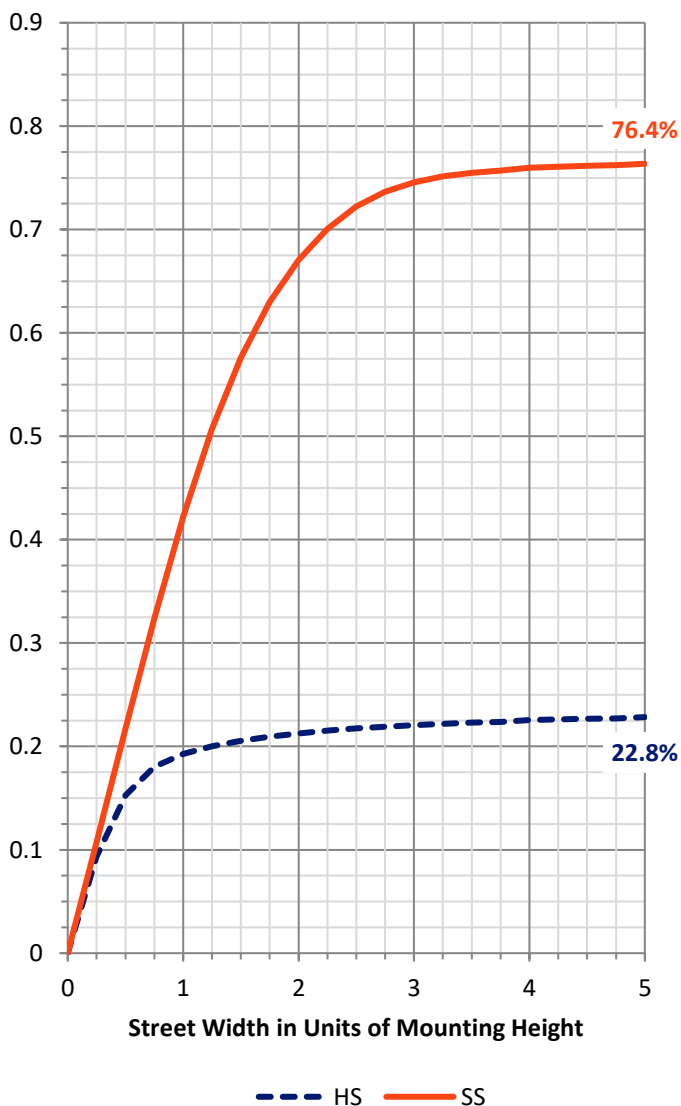
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1315.9	0.0	1315.9
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	4318.9	0.0	4318.9
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	5634.8	0.0	5634.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.0	1.2
10°-20°	222.5	3.9
20°-30°	406.7	7.2
30°-40°	596.7	10.6
40°-50°	821.6	14.6
50°-60°	1126.7	20.0
60°-70°	1358.1	24.1
70°-80°	904.7	16.1
80°-90°	131.8	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°	5634.8	100.0
0°-180°	5634.8	100.0

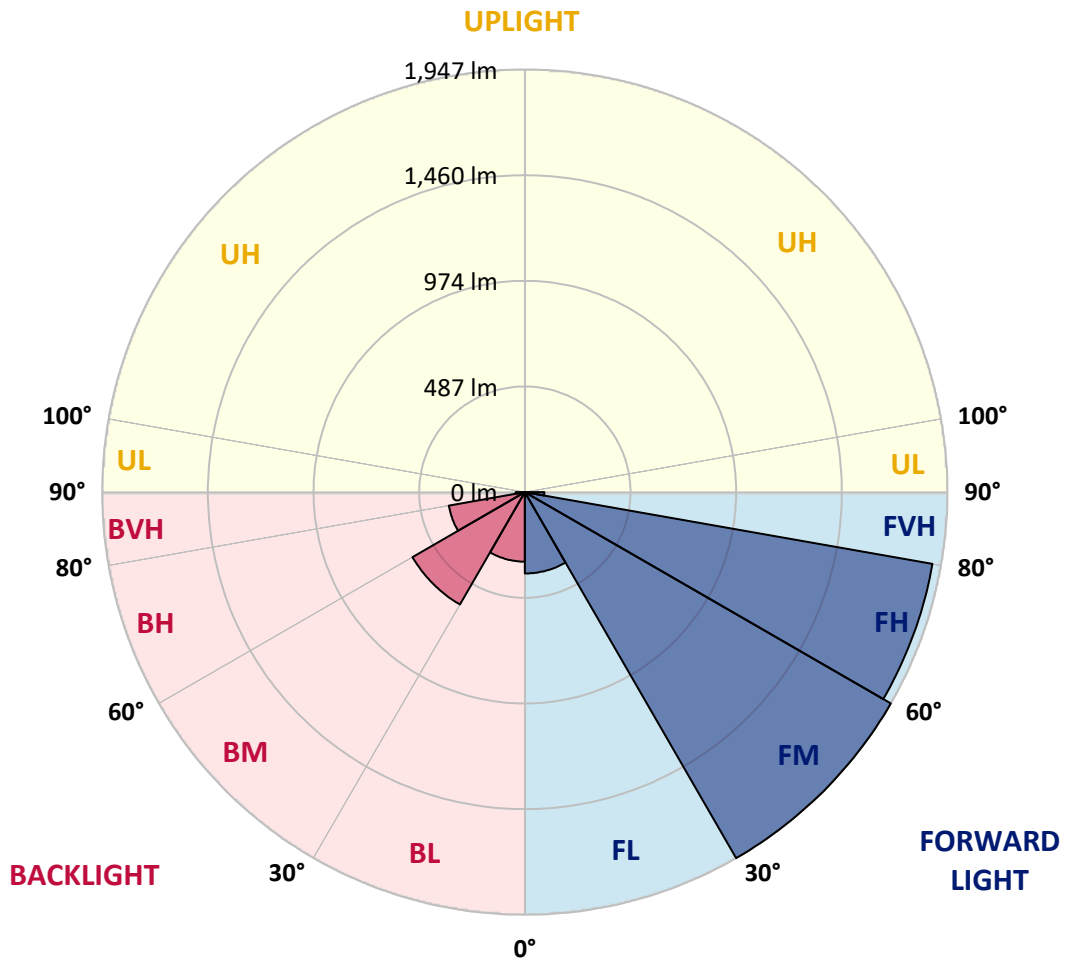


REPORT NUMBER: P674981  
 CATALOG NUMBER: CCW-SA-1D-740-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.9	6.7			
FM (30°-60°)	1947.3	34.6			
FH (60°-80°)	1907.0	33.8			G2/5000
FVH (80°-90°)	89.7	1.6			G1/100
BL (0°-30°)	320.4	5.7	B1/500		
BM (30°-60°)	597.7	10.6	B1/1000		
BH (60°-80°)	355.8	6.3	B1/500		G1/500
BVH (80°-90°)	42.0	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





REPORT NUMBER: P674981

CATALOG NUMBER: CCW-SA-1D-740-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1
2.5°	652.8	654.8	658.9	656.9	656.9	650.7	661.0	663.0	658.9	661.0	665.1
5°	652.8	656.9	663.0	658.9	661.0	658.9	654.8	661.0	661.0	663.0	669.2
7.5°	687.7	685.6	685.6	679.5	677.4	675.4	677.4	677.4	673.3	675.4	675.4
10°	726.7	726.7	722.6	722.6	718.5	708.2	697.9	695.9	689.7	691.8	691.8
12.5°	767.7	771.8	775.9	763.6	759.5	743.1	736.9	724.6	724.6	720.5	718.5
15°	819.0	812.9	817.0	812.9	802.6	786.2	775.9	778.0	763.6	759.5	753.4
17.5°	864.2	866.3	860.1	856.0	837.5	825.2	827.3	825.2	806.7	800.6	790.3
20°	917.6	915.5	915.5	903.2	886.8	870.4	864.2	862.1	866.3	853.9	829.3
22.5°	973.0	964.8	964.8	954.5	931.9	921.7	917.6	909.4	913.5	903.2	866.3
25°	1018.2	1018.2	1032.5	1012.0	999.7	979.2	970.9	973.0	975.1	954.5	911.4
27.5°	1077.7	1067.4	1081.8	1071.5	1065.4	1042.8	1032.5	1038.7	1034.6	1012.0	952.5
30°	1153.6	1155.7	1147.5	1133.1	1124.9	1108.5	1102.3	1096.2	1102.3	1073.6	997.6
32.5°	1248.1	1254.2	1233.7	1217.3	1202.9	1186.5	1174.2	1168.0	1174.2	1131.1	1032.5
35°	1356.9	1363.0	1346.6	1328.1	1311.7	1270.6	1260.4	1250.1	1227.5	1157.7	1065.4
37.5°	1457.4	1449.2	1445.1	1445.1	1414.3	1354.8	1348.6	1342.5	1299.4	1211.1	1110.5
40°	1525.2	1535.4	1531.3	1527.2	1523.1	1467.7	1455.4	1445.1	1373.3	1291.2	1174.2
42.5°	1601.1	1595.0	1611.4	1617.6	1603.2	1586.8	1537.5	1502.6	1439.0	1373.3	1268.6
45°	1691.5	1687.3	1693.5	1716.1	1695.6	1701.7	1619.6	1595.0	1514.9	1475.9	1387.7
47.5°	1771.5	1781.8	1812.6	1818.7	1802.3	1831.0	1716.1	1677.1	1625.8	1595.0	1510.8
50°	1806.4	1818.7	1888.5	1931.6	1933.7	1978.8	1812.6	1796.1	1726.4	1738.7	1664.8
52.5°	1777.7	1816.7	1900.8	2013.7	2083.5	2128.7	1939.8	1931.6	1868.0	1907.0	1833.1
55°	1804.4	1841.3	1896.7	2054.8	2231.3	2241.6	2116.4	2085.6	2021.9	2075.3	2007.6
57.5°	1816.7	1796.1	1900.8	2099.9	2340.1	2366.8	2284.7	2262.1	2212.9	2264.2	2225.2
60°	1720.2	1744.8	1843.4	2087.6	2346.3	2500.2	2473.5	2440.7	2395.5	2442.8	2420.2
62.5°	1611.4	1627.8	1734.6	2013.7	2381.2	2596.7	2656.2	2631.6	2568.0	2609.0	2648.0
65°	1473.9	1475.9	1595.0	1882.4	2313.4	2652.1	2816.4	2814.3	2769.1	2758.9	2820.5
67.5°	1305.5	1322.0	1416.4	1742.8	2221.1	2713.7	2974.4	3005.2	2914.9	2834.8	2857.4
70°	1001.7	1018.2	1108.5	1428.7	2032.2	2695.2	3169.4	3185.8	3009.3	2806.1	2748.6
72.5°	521.4	525.5	617.9	862.1	1441.0	2393.5	3241.3	3284.4	3033.9	2721.9	2451.0
75°	172.4	172.4	211.4	328.4	679.5	1531.3	2935.4	3013.4	2912.8	2512.5	2005.5
77.5°	102.6	104.7	125.2	164.2	271.0	611.7	2069.2	2206.7	2383.2	2136.9	1465.7
80°	73.9	76.0	94.4	112.9	162.2	197.1	1038.7	1229.6	1463.6	1375.3	782.1
82.5°	55.4	55.4	73.9	84.2	110.8	117.0	289.4	396.2	632.2	492.7	215.5
85°	57.5	57.5	57.5	59.5	76.0	67.7	121.1	129.3	184.7	162.2	59.5
87.5°	20.5	22.6	57.5	39.0	39.0	28.7	47.2	51.3	65.7	67.7	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674981  
 CATALOG NUMBER: CCW-SA-1D-740-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1
2.5°	667.1	667.1	669.2	669.2	673.3	677.4	683.6	679.5	679.5	681.5	679.5
5°	665.1	667.1	673.3	683.6	687.7	689.7	702.0	702.0	702.0	706.1	706.1
7.5°	673.3	677.4	687.7	697.9	700.0	706.1	722.6	726.7	736.9	741.0	743.1
10°	693.8	700.0	708.2	720.5	728.7	736.9	749.2	763.6	761.6	773.9	775.9
12.5°	724.6	722.6	736.9	749.2	757.5	769.8	773.9	773.9	773.9	773.9	778.0
15°	749.2	753.4	765.7	773.9	784.1	782.1	773.9	765.7	767.7	765.7	765.7
17.5°	786.2	786.2	796.5	798.5	802.6	782.1	769.8	769.8	775.9	775.9	771.8
20°	823.1	821.1	825.2	823.1	796.5	771.8	769.8	771.8	773.9	771.8	769.8
22.5°	858.0	853.9	847.8	839.6	792.4	769.8	765.7	755.4	745.1	745.1	739.0
25°	888.8	884.7	868.3	843.7	790.3	757.5	736.9	712.3	700.0	693.8	702.0
27.5°	917.6	909.4	886.8	843.7	771.8	724.6	685.6	654.8	644.6	636.3	644.6
30°	956.6	942.2	911.4	837.5	743.1	673.3	619.9	583.0	572.7	560.4	564.5
32.5°	991.5	958.6	931.9	819.0	706.1	615.8	554.2	517.3	498.8	488.6	496.8
35°	1028.4	995.6	940.2	790.3	648.7	546.0	484.4	449.5	435.2	420.8	420.8
37.5°	1065.4	1046.9	952.5	736.9	578.9	480.3	424.9	398.2	373.6	346.9	346.9
40°	1143.4	1118.7	966.8	675.4	509.1	416.7	377.7	342.8	318.2	281.2	279.2
42.5°	1225.5	1172.1	966.8	601.5	447.5	371.5	334.6	297.6	252.5	229.9	232.0
45°	1330.2	1268.6	940.2	535.8	385.9	334.6	293.5	246.3	225.8	211.4	211.4
47.5°	1461.5	1365.1	907.3	463.9	336.6	301.8	250.4	221.7	207.3	195.0	193.0
50°	1617.6	1453.3	866.3	402.3	295.6	271.0	227.9	205.3	193.0	184.7	184.7
52.5°	1781.8	1582.7	837.5	346.9	262.8	229.9	211.4	197.1	186.8	180.6	178.6
55°	1948.0	1712.0	817.0	287.4	232.0	211.4	207.3	195.0	190.9	184.7	180.6
57.5°	2134.8	1818.7	812.9	246.3	207.3	203.2	211.4	201.2	195.0	188.9	182.7
60°	2336.0	1962.4	775.9	213.5	195.0	199.1	205.3	195.0	190.9	184.7	180.6
62.5°	2535.1	2069.2	675.4	188.9	182.7	186.8	195.0	186.8	180.6	182.7	184.7
65°	2617.2	2077.4	523.4	170.4	168.3	170.4	182.7	180.6	174.5	186.8	186.8
67.5°	2535.1	2003.5	369.5	154.0	154.0	164.2	184.7	188.9	182.7	199.1	197.1
70°	2348.3	1820.8	250.4	143.7	147.8	174.5	190.9	186.8	178.6	199.1	195.0
72.5°	1993.2	1457.4	182.7	133.4	139.6	166.3	188.9	184.7	178.6	186.8	178.6
75°	1496.4	1036.6	143.7	121.1	123.2	149.8	195.0	184.7	168.3	164.2	158.1
77.5°	999.7	640.5	110.8	106.7	106.7	131.4	186.8	172.4	151.9	145.7	143.7
80°	476.2	256.6	88.3	90.3	92.4	112.9	170.4	154.0	137.5	129.3	129.3
82.5°	151.9	96.5	73.9	73.9	73.9	92.4	141.6	129.3	119.1	112.9	102.6
85°	53.4	53.4	63.6	65.7	59.5	67.7	117.0	110.8	98.5	82.1	80.1
87.5°	20.5	30.8	43.1	51.3	36.9	47.2	84.2	78.0	71.8	53.4	51.3
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)