

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: P674938

Luminaire Tested: **CCW-SA-1E-722-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674938  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-722-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T3 distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

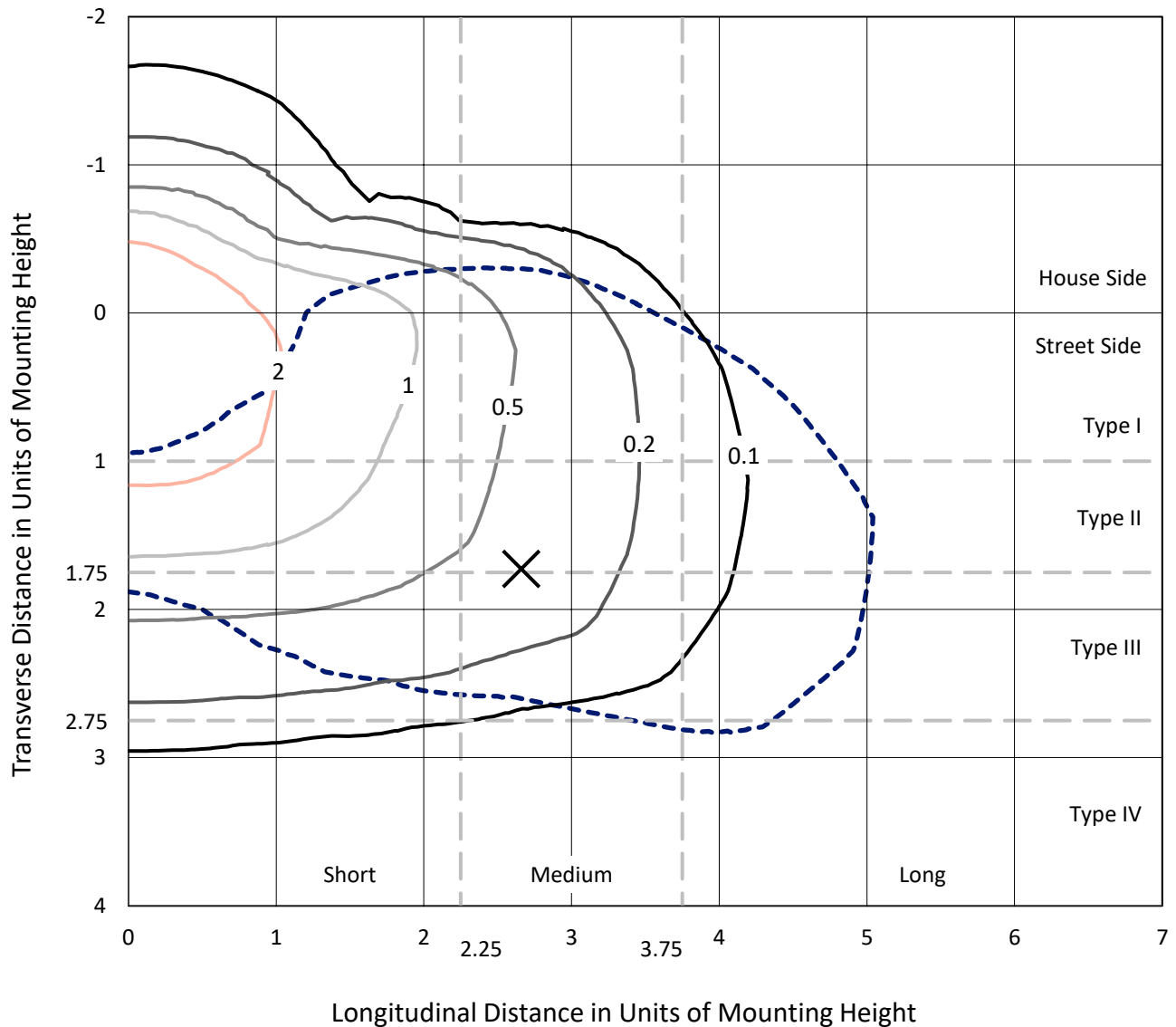
Lumens per Lamp: N/A  
Luminaire Lumens: 5088.4 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

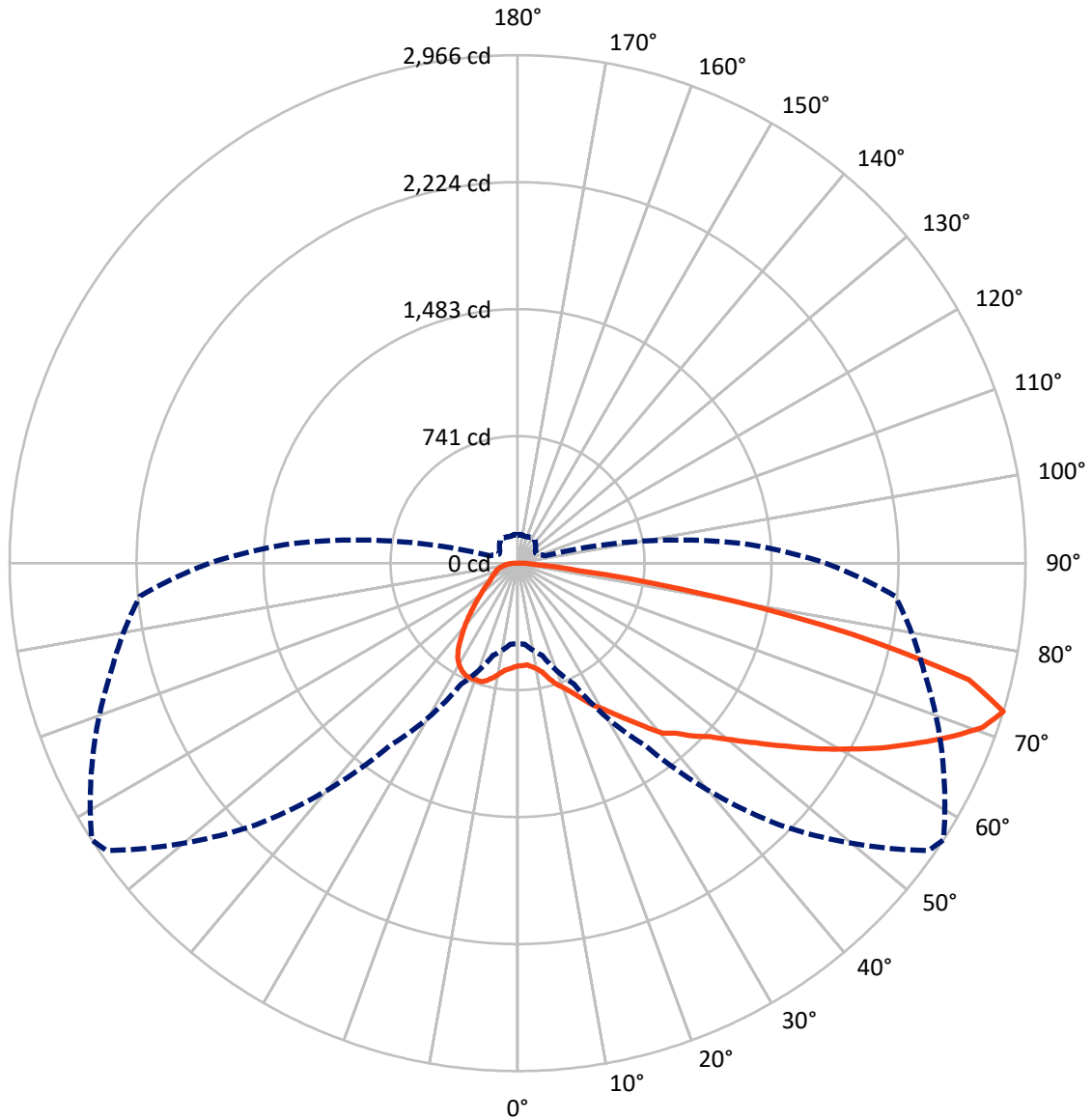
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 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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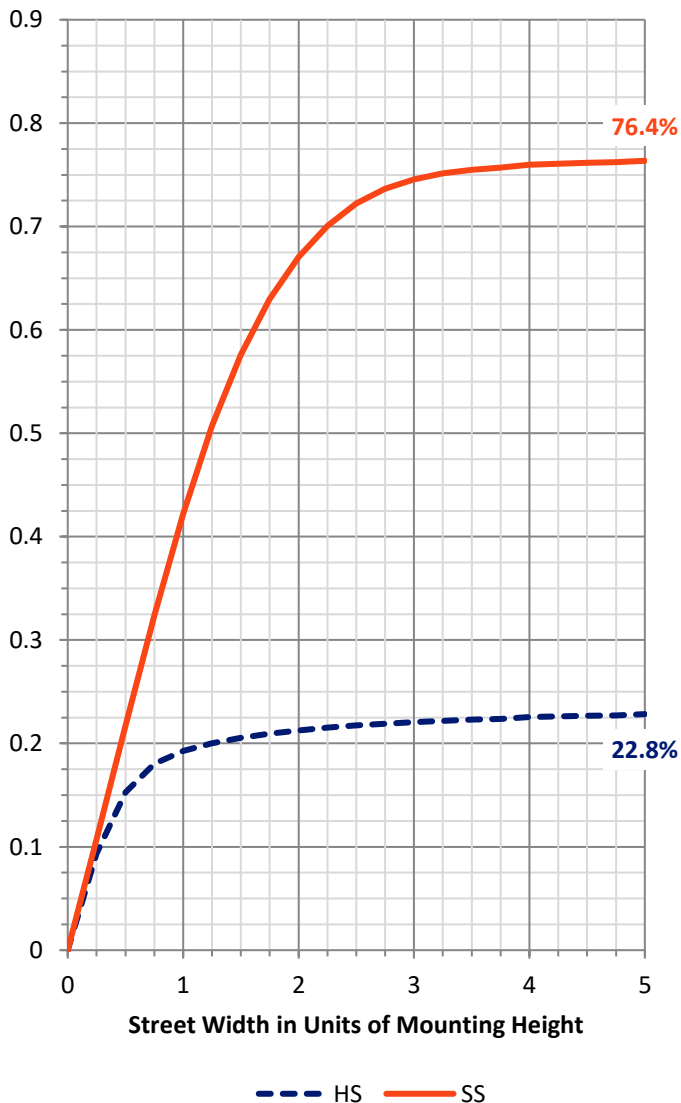
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1188.3	0.0	1188.3
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	3900.1	0.0	3900.1
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	5088.4	0.0	5088.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.6	1.2
10°-20°	200.9	3.9
20°-30°	367.3	7.2
30°-40°	538.9	10.6
40°-50°	741.9	14.6
50°-60°	1017.4	20.0
60°-70°	1226.4	24.1
70°-80°	817.0	16.1
80°-90°	119.0	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°	5088.4	100.0
0°-180°	5088.4	100.0



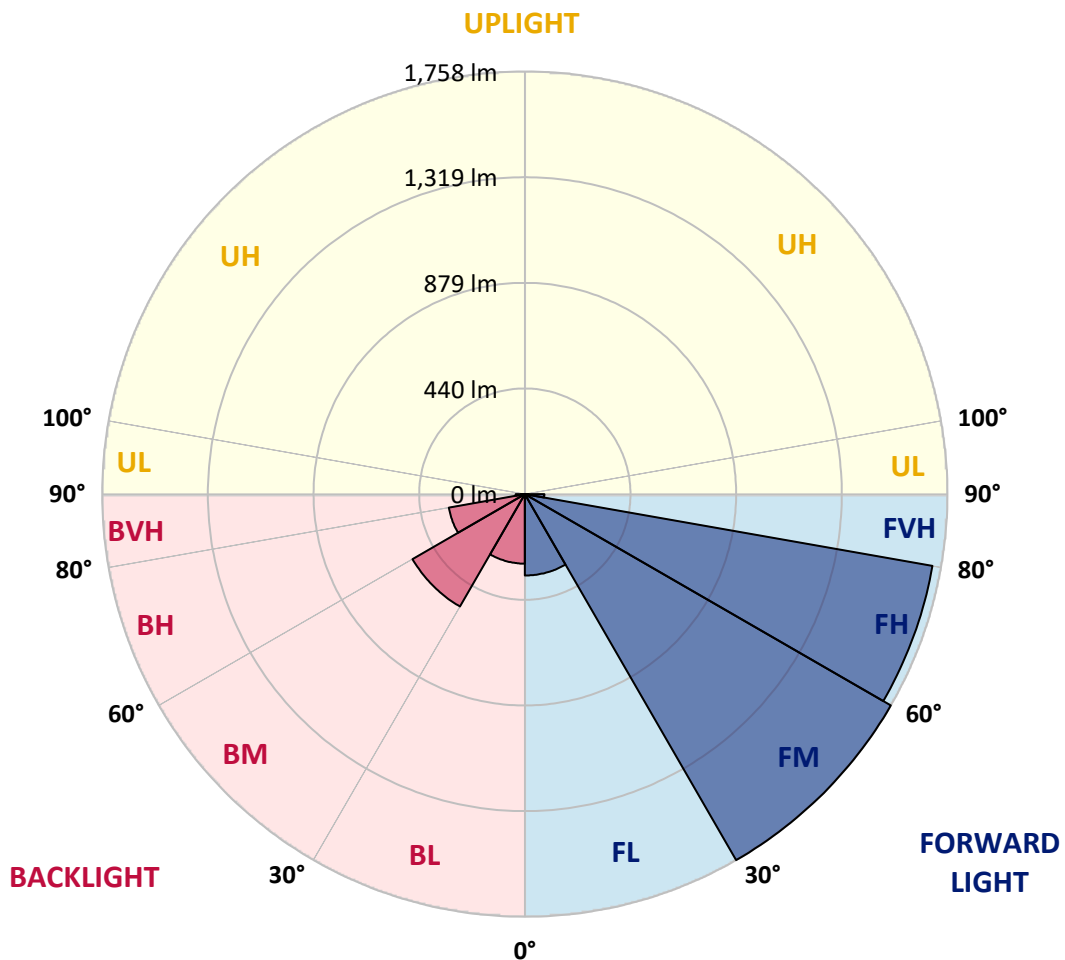
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.5	6.7			
FM (30°-60°)	1758.5	34.6			
FH (60°-80°)	1722.1	33.8			G1/1800
FVH (80°-90°)	81.0	1.6			G1/100
BL (0°-30°)	289.3	5.7	B1/500		
BM (30°-60°)	539.7	10.6	B1/1000		
BH (60°-80°)	321.3	6.3	B1/500		G1/500
BVH (80°-90°)	38.0	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-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	589.5	591.3	595.0	593.2	593.2	587.6	596.9	598.7	595.0	596.9	600.6
5°	589.5	593.2	598.7	595.0	596.9	595.0	591.3	596.9	596.9	598.7	604.3
7.5°	621.0	619.1	619.1	613.6	611.7	609.9	611.7	611.7	608.0	609.9	609.9
10°	656.2	656.2	652.5	652.5	648.8	639.5	630.3	628.4	622.8	624.7	624.7
12.5°	693.3	697.0	700.7	689.6	685.9	671.0	665.5	654.4	654.4	650.6	648.8
15°	739.6	734.1	737.8	734.1	724.8	710.0	700.7	702.6	689.6	685.9	680.3
17.5°	780.4	782.3	776.7	773.0	756.3	745.2	747.0	745.2	728.5	722.9	713.7
20°	828.6	826.8	826.8	815.6	800.8	786.0	780.4	778.6	782.3	771.1	748.9
22.5°	878.7	871.2	871.2	862.0	841.6	832.3	828.6	821.2	824.9	815.6	782.3
25°	919.4	919.4	932.4	913.9	902.8	884.2	876.8	878.7	880.5	862.0	823.0
27.5°	973.2	963.9	976.9	967.6	962.1	941.7	932.4	938.0	934.3	913.9	860.1
30°	1041.8	1043.6	1036.2	1023.2	1015.8	1001.0	995.4	989.9	995.4	969.5	900.9
32.5°	1127.1	1132.6	1114.1	1099.2	1086.3	1071.4	1060.3	1054.8	1060.3	1021.4	932.4
35°	1225.3	1230.9	1216.0	1199.3	1184.5	1147.4	1138.2	1128.9	1108.5	1045.5	962.1
37.5°	1316.1	1308.7	1305.0	1305.0	1277.2	1223.4	1217.9	1212.3	1173.4	1093.7	1002.9
40°	1377.3	1386.6	1382.9	1379.2	1375.4	1325.4	1314.3	1305.0	1240.1	1166.0	1060.3
42.5°	1445.9	1440.3	1455.2	1460.7	1447.7	1432.9	1388.4	1356.9	1299.4	1240.1	1145.6
45°	1527.5	1523.7	1529.3	1549.7	1531.2	1536.7	1462.6	1440.3	1368.0	1332.8	1253.1
47.5°	1599.7	1609.0	1636.8	1642.4	1627.6	1653.5	1549.7	1514.5	1468.1	1440.3	1364.3
50°	1631.3	1642.4	1705.4	1744.3	1746.2	1787.0	1636.8	1622.0	1559.0	1570.1	1503.4
52.5°	1605.3	1640.5	1716.5	1818.5	1881.5	1922.3	1751.7	1744.3	1686.9	1722.1	1655.4
55°	1629.4	1662.8	1712.8	1855.6	2015.0	2024.2	1911.2	1883.4	1825.9	1874.1	1812.9
57.5°	1640.5	1622.0	1716.5	1896.3	2113.2	2137.3	2063.2	2042.8	1998.3	2044.6	2009.4
60°	1553.4	1575.6	1664.6	1885.2	2118.8	2257.8	2233.7	2204.1	2163.3	2205.9	2185.5
62.5°	1455.2	1470.0	1566.4	1818.5	2150.3	2344.9	2398.7	2376.4	2319.0	2356.1	2391.3
65°	1331.0	1332.8	1440.3	1699.8	2089.1	2395.0	2543.3	2541.4	2500.6	2491.4	2547.0
67.5°	1179.0	1193.8	1279.1	1573.8	2005.7	2450.6	2686.0	2713.8	2632.3	2560.0	2580.4
70°	904.6	919.4	1001.0	1290.2	1835.2	2433.9	2862.1	2876.9	2717.5	2534.0	2482.1
72.5°	470.8	474.5	558.0	778.6	1301.3	2161.4	2927.0	2965.9	2739.8	2458.0	2213.3
75°	155.7	155.7	190.9	296.6	613.6	1382.9	2650.8	2721.2	2630.4	2268.9	1811.1
77.5°	92.7	94.5	113.1	148.3	244.7	552.4	1868.5	1992.7	2152.1	1929.7	1323.5
80°	66.7	68.6	85.3	102.0	146.4	178.0	938.0	1110.4	1321.7	1242.0	706.3
82.5°	50.0	50.0	66.7	76.0	100.1	105.7	261.4	357.8	570.9	444.9	194.6
85°	51.9	51.9	51.9	53.8	68.6	61.2	109.4	116.8	166.8	146.4	53.8
87.5°	18.5	20.4	51.9	35.2	35.2	26.0	42.6	46.3	59.3	61.2	20.4
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°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	602.5	602.5	604.3	604.3	608.0	611.7	617.3	613.6	613.6	615.4	613.6
5°	600.6	602.5	608.0	617.3	621.0	622.8	634.0	634.0	634.0	637.7	637.7
7.5°	608.0	611.7	621.0	630.3	632.1	637.7	652.5	656.2	665.5	669.2	671.0
10°	626.6	632.1	639.5	650.6	658.1	665.5	676.6	689.6	687.7	698.8	700.7
12.5°	654.4	652.5	665.5	676.6	684.0	695.1	698.8	698.8	698.8	698.8	702.6
15°	676.6	680.3	691.4	698.8	708.1	706.3	698.8	691.4	693.3	691.4	691.4
17.5°	710.0	710.0	719.2	721.1	724.8	706.3	695.1	695.1	700.7	700.7	697.0
20°	743.3	741.5	745.2	743.3	719.2	697.0	695.1	697.0	698.8	697.0	695.1
22.5°	774.8	771.1	765.6	758.2	715.5	695.1	691.4	682.2	672.9	672.9	667.3
25°	802.7	798.9	784.1	761.9	713.7	684.0	665.5	643.2	632.1	626.6	634.0
27.5°	828.6	821.2	800.8	761.9	697.0	654.4	619.1	591.3	582.1	574.6	582.1
30°	863.8	850.8	823.0	756.3	671.0	608.0	559.8	526.5	517.2	506.1	509.8
32.5°	895.3	865.7	841.6	739.6	637.7	556.1	500.5	467.1	450.4	441.2	448.6
35°	928.7	899.0	849.0	713.7	585.8	493.1	437.5	406.0	393.0	380.0	380.0
37.5°	962.1	945.4	860.1	665.5	522.7	433.8	383.7	359.6	337.4	313.3	313.3
40°	1032.5	1010.3	873.1	609.9	459.7	376.3	341.1	309.6	287.3	254.0	252.1
42.5°	1106.7	1058.5	873.1	543.1	404.1	335.5	302.2	268.8	228.0	207.6	209.5
45°	1201.2	1145.6	849.0	483.8	348.5	302.2	265.1	222.4	203.9	190.9	190.9
47.5°	1319.8	1232.7	819.3	418.9	304.0	272.5	226.2	200.2	187.2	176.1	174.2
50°	1460.7	1312.4	782.3	363.3	266.9	244.7	205.8	185.4	174.2	166.8	166.8
52.5°	1609.0	1429.2	756.3	313.3	237.3	207.6	190.9	178.0	168.7	163.1	161.3
55°	1759.2	1546.0	737.8	259.5	209.5	190.9	187.2	176.1	172.4	166.8	163.1
57.5°	1927.9	1642.4	734.1	222.4	187.2	183.5	190.9	181.7	176.1	170.5	165.0
60°	2109.5	1772.1	700.7	192.8	176.1	179.8	185.4	176.1	172.4	166.8	163.1
62.5°	2289.3	1868.5	609.9	170.5	165.0	168.7	176.1	168.7	163.1	165.0	166.8
65°	2363.5	1875.9	472.7	153.9	152.0	153.9	165.0	163.1	157.6	168.7	168.7
67.5°	2289.3	1809.2	333.7	139.0	139.0	148.3	166.8	170.5	165.0	179.8	178.0
70°	2120.6	1644.2	226.2	129.8	133.5	157.6	172.4	168.7	161.3	179.8	176.1
72.5°	1799.9	1316.1	165.0	120.5	126.1	150.1	170.5	166.8	161.3	168.7	161.3
75°	1351.3	936.1	129.8	109.4	111.2	135.3	176.1	166.8	152.0	148.3	142.7
77.5°	902.8	578.4	100.1	96.4	96.4	118.6	168.7	155.7	137.2	131.6	129.8
80°	430.1	231.7	79.7	81.6	83.4	102.0	153.9	139.0	124.2	116.8	116.8
82.5°	137.2	87.1	66.7	66.7	66.7	83.4	127.9	116.8	107.5	102.0	92.7
85°	48.2	48.2	57.5	59.3	53.8	61.2	105.7	100.1	89.0	74.1	72.3
87.5°	18.5	27.8	38.9	46.3	33.4	42.6	76.0	70.4	64.9	48.2	46.3
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)