

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: P674683

Luminaire Tested: **CCP-SA-1D-730-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674683  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-730-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

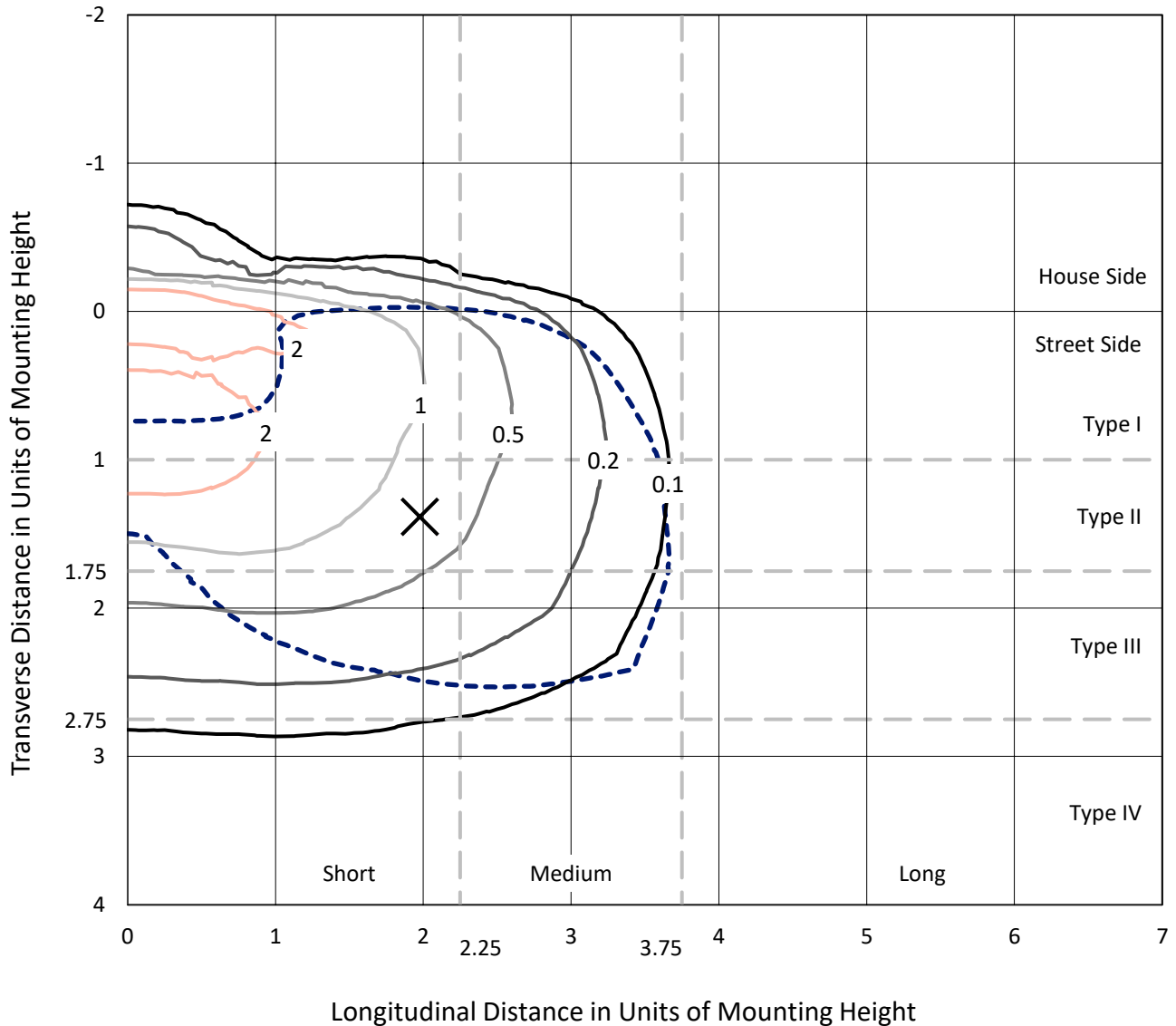
Lumens per Lamp: N/A  
Luminaire Lumens: 4027.6 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

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

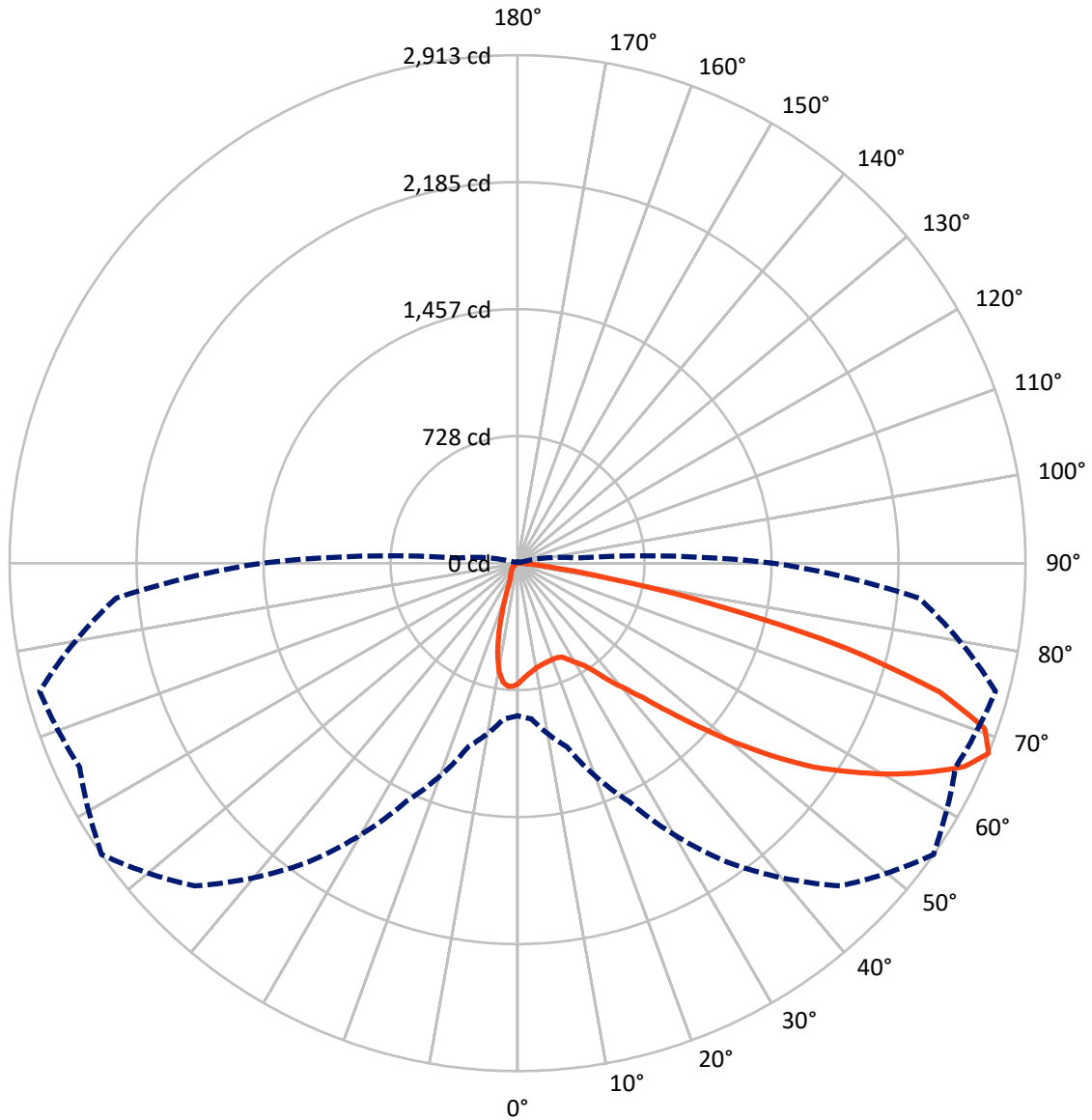
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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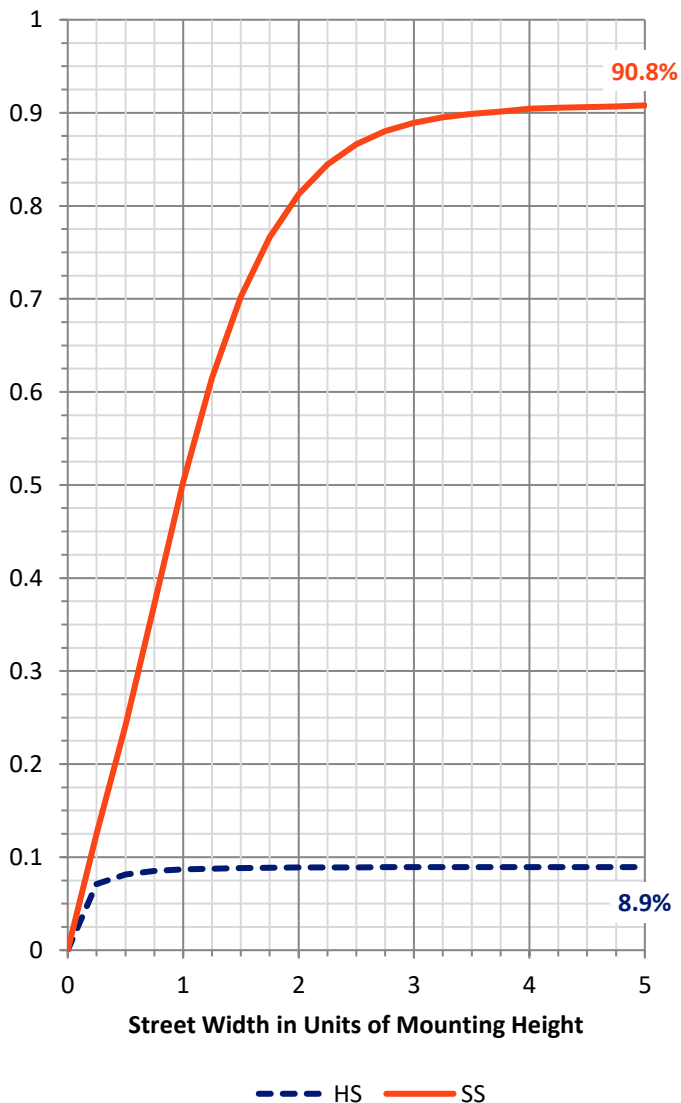
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	361.8	0.0	361.8
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3665.7	0.0	3665.7
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	4027.6	0.0	4027.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	1.5
10°-20°	137.9	3.4
20°-30°	221.3	5.5
30°-40°	383.8	9.5
40°-50°	639.9	15.9
50°-60°	935.8	23.2
60°-70°	1091.1	27.1
70°-80°	529.5	13.1
80°-90°	27.7	0.7
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°	4027.6	100.0
0°-180°	4027.6	100.0



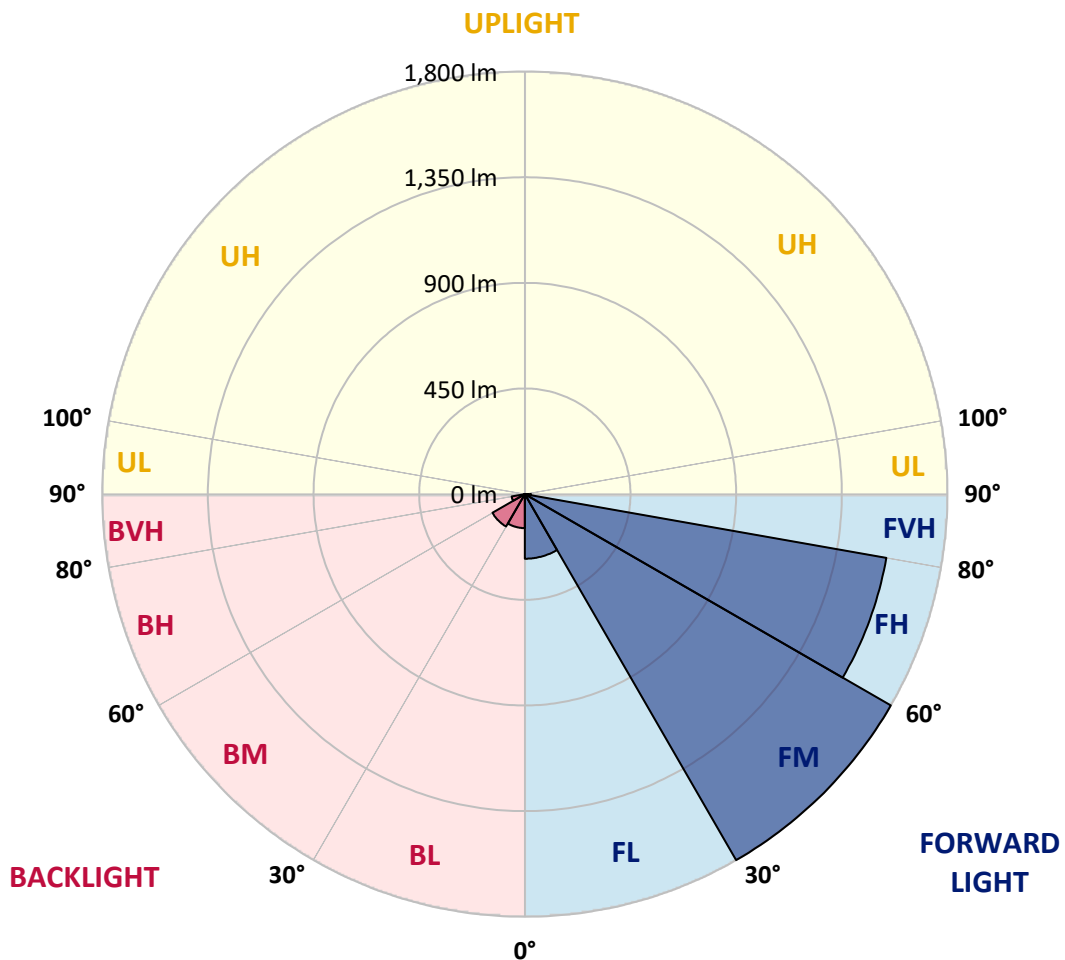
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.1	6.8			
FM (30°-60°)	1800.2	44.7			
FH (60°-80°)	1563.6	38.8			G1/1800
FVH (80°-90°)	26.9	0.7			G1/100
BL (0°-30°)	144.6	3.6	B1/500		
BM (30°-60°)	159.3	4.0	B0/220		
BH (60°-80°)	57.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2
2.5°	637.1	641.2	646.4	648.3	654.6	663.5	660.9	659.0	669.1	682.8	687.2
5°	597.4	597.8	606.0	611.9	622.7	631.2	640.5	639.7	657.9	681.3	696.1
7.5°	558.5	559.2	567.8	577.0	592.6	609.3	623.4	622.7	652.0	683.2	711.4
10°	507.3	511.0	521.4	537.7	562.2	588.5	608.2	610.1	645.3	690.2	732.1
12.5°	466.1	467.9	479.4	500.6	529.5	564.0	600.8	599.7	646.8	703.2	759.2
15°	448.6	447.5	454.6	470.2	503.2	546.6	593.4	596.0	652.0	718.0	787.4
17.5°	452.7	451.6	455.3	460.9	484.3	532.1	589.3	593.7	660.2	733.6	813.8
20°	498.0	490.2	483.5	477.6	480.9	520.3	586.7	591.5	665.0	745.5	841.6
22.5°	585.2	575.5	557.7	524.7	502.8	521.0	587.4	593.7	675.7	764.8	875.4
25°	727.3	718.0	679.8	612.3	554.4	547.7	597.4	604.1	700.6	794.1	911.4
27.5°	915.5	894.7	848.3	751.4	639.7	590.4	627.5	634.9	735.9	816.7	935.9
30°	1071.7	1066.9	1022.3	903.6	757.4	653.1	661.3	665.3	751.8	830.5	960.4
32.5°	1233.8	1223.8	1183.0	1067.6	893.9	742.5	699.1	701.0	772.6	850.9	996.0
35°	1374.9	1365.6	1331.4	1219.4	1053.5	862.8	761.8	757.7	815.6	895.8	1044.2
37.5°	1505.5	1504.4	1474.3	1360.0	1196.7	987.4	854.2	850.9	882.8	945.1	1109.5
40°	1633.1	1630.2	1604.6	1500.3	1337.7	1111.8	942.2	933.6	939.9	1014.2	1195.6
42.5°	1711.4	1717.7	1726.6	1660.6	1505.1	1257.6	1053.5	1048.3	1047.2	1122.1	1308.8
45°	1753.7	1764.9	1817.2	1811.2	1682.5	1439.1	1212.0	1198.6	1194.1	1270.6	1438.3
47.5°	1794.9	1799.7	1885.5	1921.5	1852.4	1628.3	1403.4	1384.9	1366.7	1451.7	1593.1
50°	1797.5	1805.3	1911.4	1999.0	1994.9	1814.6	1618.3	1602.0	1581.2	1672.1	1744.1
52.5°	1761.2	1776.7	1908.1	2048.0	2083.2	1979.0	1841.3	1827.9	1810.9	1878.8	1871.4
55°	1509.9	1536.3	1842.8	2052.4	2145.2	2120.0	2065.4	2046.9	2030.2	2078.4	1996.0
57.5°	1390.4	1405.3	1644.6	2049.1	2224.3	2250.6	2259.9	2251.3	2228.0	2288.1	2126.3
60°	1318.8	1340.3	1550.0	2012.0	2309.6	2398.3	2456.6	2439.5	2410.9	2493.7	2265.8
62.5°	1233.1	1248.7	1455.8	1905.1	2360.4	2548.6	2641.0	2625.4	2566.4	2683.3	2378.6
65°	1075.0	1098.4	1305.8	1737.0	2292.2	2658.8	2814.6	2809.5	2707.0	2826.5	2409.4
67.5°	875.0	896.2	1089.5	1506.6	2092.5	2617.6	2913.0	2896.7	2770.9	2837.3	2311.8
70°	656.8	668.3	814.2	1151.1	1714.4	2397.6	2841.7	2838.4	2674.0	2677.7	2012.4
72.5°	352.5	384.4	541.4	770.4	1205.6	1941.9	2532.6	2519.3	2385.7	2193.1	1447.2
75°	123.2	132.5	288.3	432.7	655.0	1293.6	1947.4	1916.3	1784.2	1426.4	788.5
77.5°	75.7	83.1	128.0	221.2	254.9	561.4	1170.0	1129.6	1044.2	616.7	269.4
80°	52.3	59.0	85.7	115.8	86.8	181.8	538.4	523.2	402.6	146.9	62.0
82.5°	29.3	35.3	64.9	56.8	34.9	47.1	186.7	172.9	107.2	39.7	20.8
85°	17.1	20.4	45.6	40.1	17.8	16.7	48.6	43.4	27.8	14.8	10.0
87.5°	8.9	11.5	33.4	26.7	10.8	5.9	11.1	10.8	7.1	5.2	6.7
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°	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2	690.2
2.5°	695.4	693.6	703.2	706.5	705.8	704.3	708.0	703.2	702.8	701.7	700.6
5°	708.0	711.0	718.8	718.8	708.4	691.3	680.9	666.8	655.0	647.9	646.8
7.5°	726.9	732.9	738.1	722.1	686.5	644.2	599.3	564.0	533.2	517.3	515.8
10°	753.7	759.2	755.1	709.5	633.1	545.5	472.4	398.9	362.2	342.1	342.1
12.5°	785.6	790.0	765.2	678.0	545.1	418.2	320.6	243.4	206.7	182.9	181.5
15°	820.1	821.2	763.7	623.0	436.4	280.9	184.1	135.1	119.5	116.1	115.4
17.5°	850.1	845.7	748.1	541.8	314.3	167.4	116.9	105.8	102.8	102.8	102.8
20°	878.3	863.5	716.9	447.2	201.5	113.9	100.6	97.6	97.6	98.0	98.0
22.5°	909.5	880.2	672.4	342.1	129.5	97.6	94.3	92.8	92.4	93.5	93.1
25°	946.3	896.5	608.6	236.4	100.2	90.9	89.4	87.9	87.9	87.9	87.9
27.5°	966.7	894.3	535.8	149.2	87.6	84.2	82.8	81.3	80.2	79.8	80.2
30°	984.5	881.3	440.8	104.3	79.0	75.3	74.2	72.4	70.1	69.4	69.4
32.5°	1007.9	870.6	341.4	83.9	71.6	67.5	64.2	61.2	57.5	56.0	55.7
35°	1033.8	850.9	250.1	73.8	64.9	59.7	54.5	49.7	44.9	43.4	43.0
37.5°	1066.1	833.1	169.6	68.3	59.4	53.1	46.0	39.3	34.9	34.1	34.1
40°	1109.9	818.2	117.3	63.5	54.2	46.8	38.2	31.2	28.2	27.5	27.5
42.5°	1169.6	806.0	88.7	59.4	49.7	40.4	30.8	25.6	23.4	22.6	22.6
45°	1240.2	787.1	75.0	55.7	45.3	34.1	25.6	21.5	20.4	20.4	20.4
47.5°	1321.0	763.3	68.3	52.0	40.4	27.8	21.5	19.7	19.3	19.3	19.7
50°	1402.7	735.1	63.5	47.5	34.9	23.7	19.7	18.6	18.6	18.9	18.9
52.5°	1458.0	691.0	58.6	42.7	29.3	20.8	18.6	18.2	17.8	17.8	17.8
55°	1511.8	652.4	52.0	37.5	24.5	19.3	17.8	17.4	17.4	17.1	17.1
57.5°	1567.8	621.9	43.4	31.2	20.8	18.2	17.1	17.1	16.3	16.0	16.0
60°	1632.8	595.2	33.4	24.5	18.2	17.1	16.0	15.6	14.8	14.1	14.1
62.5°	1651.7	538.8	25.2	19.7	15.6	14.8	14.5	13.7	11.9	10.4	10.8
65°	1602.3	450.1	20.0	15.6	12.6	12.6	11.5	9.6	7.8	6.7	6.7
67.5°	1466.1	336.2	16.3	12.2	10.0	9.6	8.2	7.1	4.8	4.1	4.1
70°	1208.2	222.3	13.4	9.6	8.2	6.7	5.6	5.2	3.7	3.0	3.0
72.5°	846.8	120.6	11.1	7.8	5.9	4.5	3.7	3.3	2.6	2.2	1.9
75°	447.2	46.4	8.9	5.9	3.7	3.0	2.2	2.2	1.9	1.5	1.5
77.5°	153.3	19.7	6.3	3.3	2.6	1.9	1.5	1.1	1.5	1.1	1.1
80°	36.4	11.5	4.1	2.2	1.5	1.1	1.1	0.7	0.7	0.7	0.7
82.5°	16.0	6.7	2.6	1.5	1.5	1.1	0.7	0.4	0.4	0.4	0.4
85°	10.8	4.1	1.9	1.5	1.1	0.7	0.4	0.4	0.0	0.0	0.0
87.5°	8.5	2.6	1.5	1.5	1.1	0.7	0.4	0.0	0.0	0.0	0.0
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)