

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: P674739

Luminaire Tested: **CCP-SA-1E-827-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674739
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-827-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

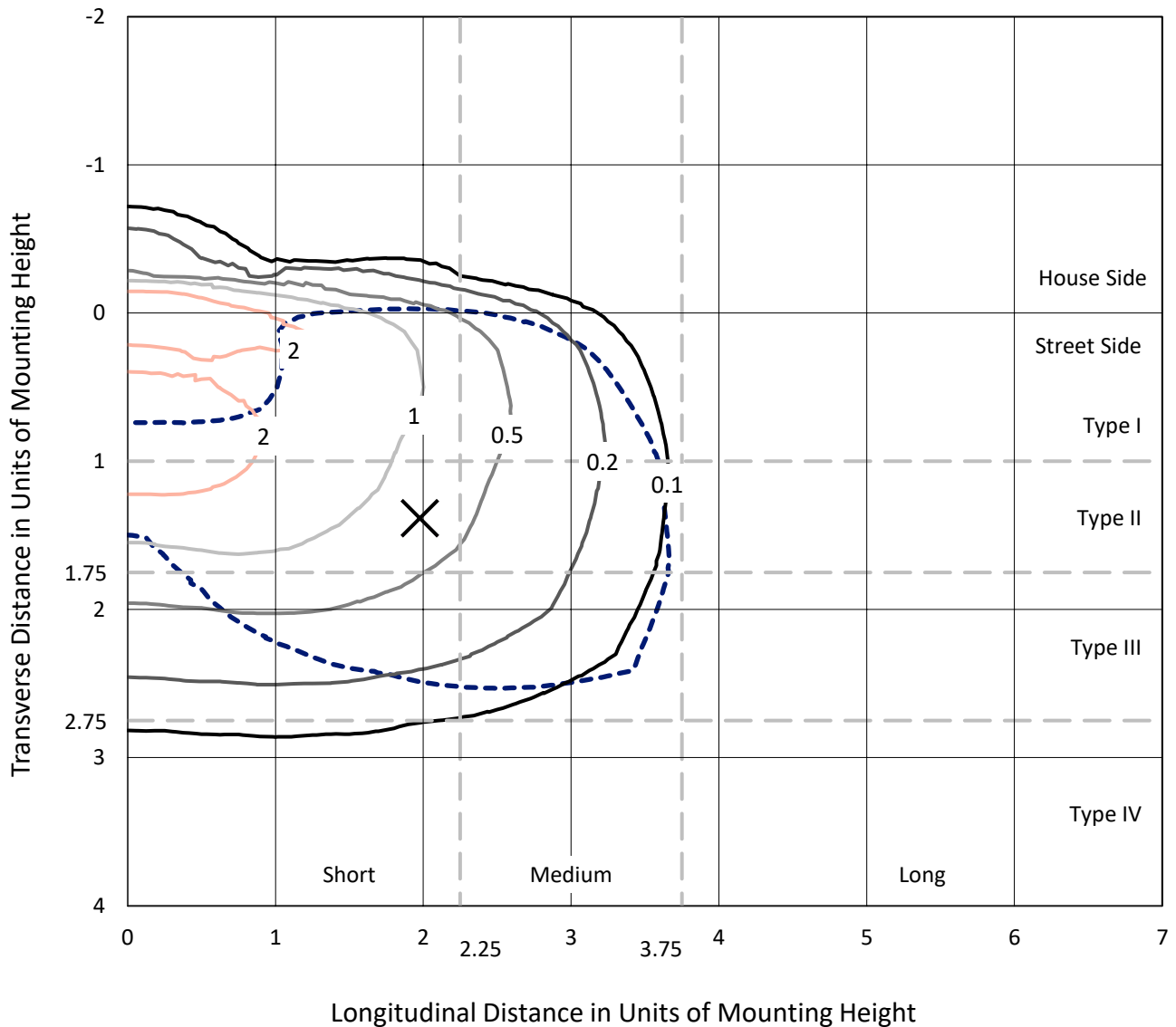
Lumens per Lamp: N/A
Luminaire Lumens: 3986 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

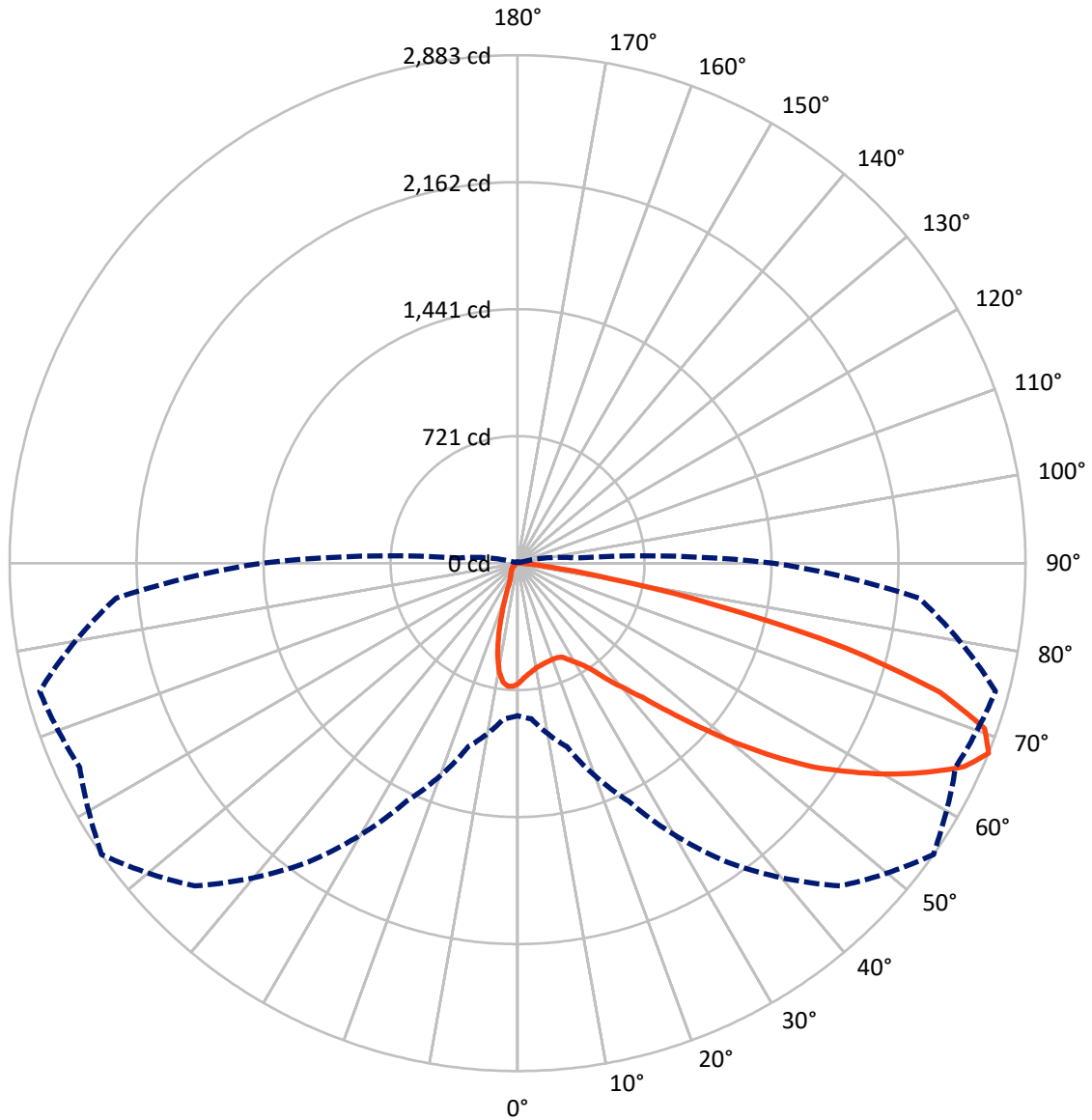
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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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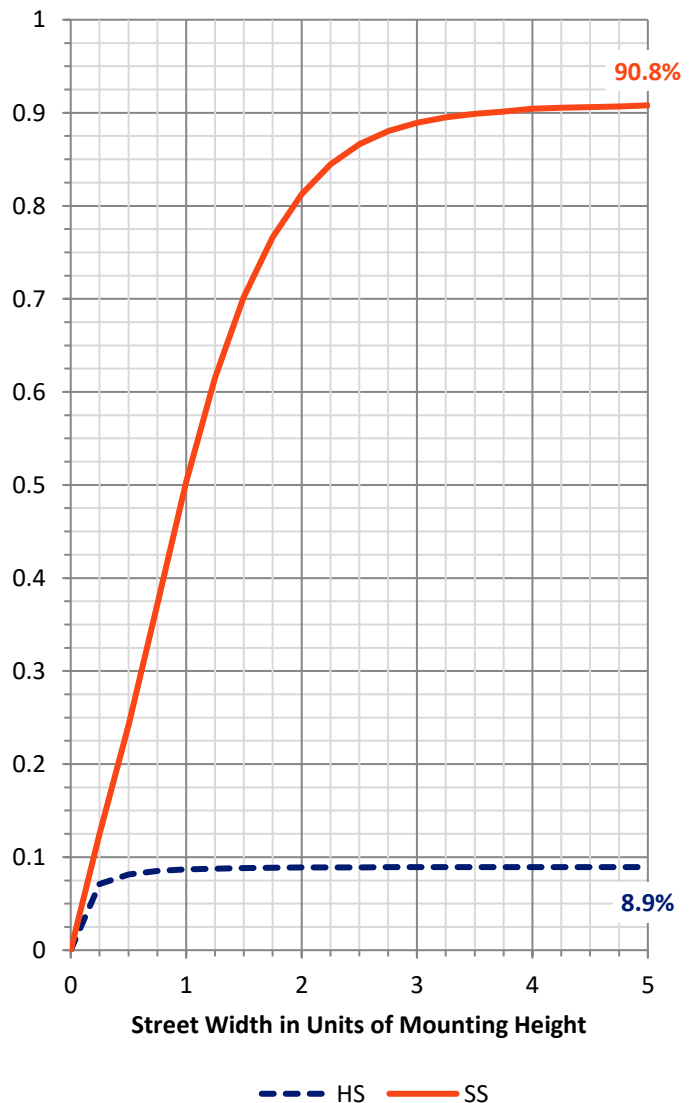
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	358.1	0.0	358.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3627.9	0.0	3627.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	3986.0	0.0	3986.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	1.5
10°-20°	136.5	3.4
20°-30°	219.0	5.5
30°-40°	379.8	9.5
40°-50°	633.3	15.9
50°-60°	926.1	23.2
60°-70°	1079.8	27.1
70°-80°	524.1	13.1
80°-90°	27.4	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°	3986.0	100.0
0°-180°	3986.0	100.0



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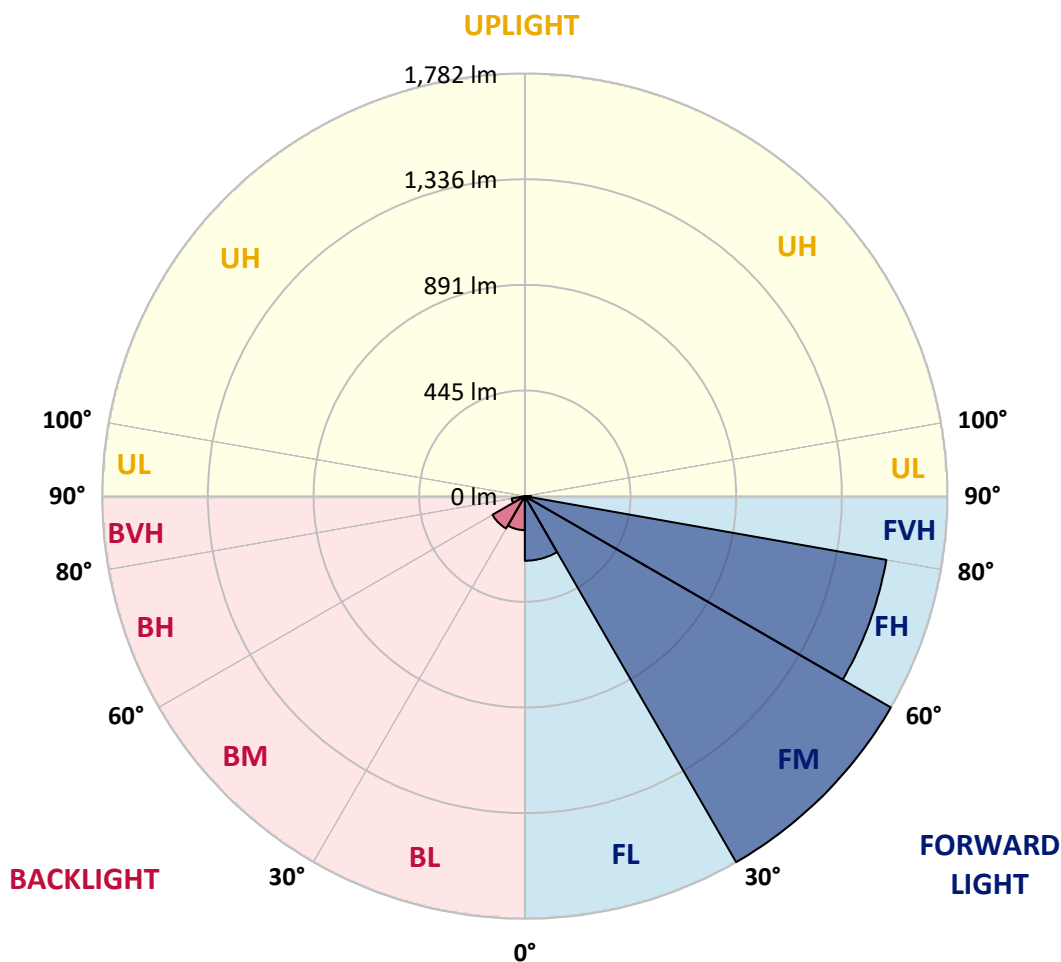
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.3	6.8			
FM (30°-60°)	1781.6	44.7			
FH (60°-80°)	1547.4	38.8			G1/1800
FVH (80°-90°)	26.6	0.7			G1/100
BL (0°-30°)	143.1	3.6	B1/500		
BM (30°-60°)	157.7	4.0	B0/220		
BH (60°-80°)	56.5	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°	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1
2.5°	630.6	634.6	639.8	641.6	647.8	656.6	654.1	652.2	662.2	675.7	680.1
5°	591.3	591.6	599.7	605.6	616.2	624.7	633.9	633.1	651.1	674.3	689.0
7.5°	552.7	553.4	561.9	571.1	586.5	603.0	617.0	616.2	645.3	676.1	704.0
10°	502.0	505.7	516.0	532.1	556.4	582.5	601.9	603.8	638.6	683.1	724.6
12.5°	461.3	463.1	474.5	495.4	524.1	558.2	594.6	593.5	640.1	695.9	751.4
15°	444.0	442.9	449.9	465.3	498.0	541.0	587.2	589.8	645.3	710.6	779.3
17.5°	448.0	446.9	450.6	456.1	479.3	526.6	583.2	587.6	653.3	726.1	805.4
20°	492.9	485.1	478.5	472.7	476.0	514.9	580.6	585.4	658.1	737.8	832.9
22.5°	579.2	569.6	552.0	519.3	497.6	515.6	581.4	587.6	668.8	756.9	866.3
25°	719.8	710.6	672.8	606.0	548.7	542.1	591.3	597.9	693.4	785.9	902.0
27.5°	906.0	885.4	839.5	743.7	633.1	584.3	621.0	628.4	728.3	808.3	926.2
30°	1060.6	1055.8	1011.8	894.3	749.6	646.4	654.4	658.5	744.1	821.9	950.4
32.5°	1221.1	1211.2	1170.8	1056.6	884.7	734.9	691.9	693.7	764.6	842.1	985.7
35°	1360.7	1351.5	1317.7	1206.8	1042.6	853.9	754.0	749.9	807.2	886.5	1033.4
37.5°	1489.9	1488.8	1459.1	1346.0	1184.4	977.3	845.4	842.1	873.7	935.4	1098.1
40°	1616.3	1613.3	1588.0	1484.8	1323.9	1100.3	932.4	924.0	930.2	1003.7	1183.3
42.5°	1693.8	1700.0	1708.8	1643.4	1489.6	1244.6	1042.6	1037.5	1036.4	1110.6	1295.3
45°	1735.6	1746.6	1798.4	1792.6	1665.1	1424.2	1199.4	1186.2	1181.8	1257.5	1423.5
47.5°	1776.4	1781.2	1866.0	1901.6	1833.3	1611.5	1388.9	1370.6	1352.6	1436.7	1576.6
50°	1779.0	1786.7	1891.7	1978.4	1974.3	1795.9	1601.6	1585.4	1564.9	1654.8	1726.1
52.5°	1743.0	1758.4	1888.4	2026.9	2061.7	1958.5	1822.3	1809.1	1792.2	1859.4	1852.0
55°	1494.3	1520.4	1823.8	2031.3	2123.1	2098.1	2044.1	2025.8	2009.2	2057.0	1975.4
57.5°	1376.1	1390.8	1627.7	2028.0	2201.3	2227.4	2236.6	2228.1	2205.0	2264.5	2104.3
60°	1305.2	1326.5	1534.0	1991.2	2285.8	2373.5	2431.2	2414.3	2386.0	2467.9	2242.4
62.5°	1220.4	1235.8	1440.7	1885.5	2336.1	2522.3	2613.7	2598.3	2539.9	2655.6	2354.1
65°	1063.9	1087.1	1292.4	1719.1	2268.5	2631.4	2785.6	2780.5	2679.1	2797.3	2384.6
67.5°	866.0	886.9	1078.2	1491.0	2070.9	2590.6	2882.9	2866.8	2742.3	2808.0	2288.0
70°	650.0	661.4	805.7	1139.2	1696.7	2372.8	2812.4	2809.1	2646.4	2650.1	1991.6
72.5°	348.9	380.5	535.8	762.4	1193.2	1921.8	2506.5	2493.3	2361.1	2170.5	1432.3
75°	121.9	131.1	285.4	428.2	648.2	1280.2	1927.3	1896.5	1765.7	1411.7	780.4
77.5°	74.9	82.3	126.7	218.9	252.3	555.7	1157.9	1117.9	1033.4	610.4	266.6
80°	51.8	58.4	84.8	114.6	85.9	180.0	532.9	517.8	398.5	145.4	61.3
82.5°	29.0	34.9	64.3	56.2	34.5	46.6	184.7	171.1	106.1	39.3	20.6
85°	16.9	20.2	45.2	39.7	17.6	16.5	48.1	43.0	27.5	14.7	9.9
87.5°	8.8	11.4	33.1	26.4	10.7	5.9	11.0	10.7	7.0	5.1	6.6
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°	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1
2.5°	688.2	686.4	695.9	699.2	698.5	697.0	700.7	695.9	695.6	694.5	693.4
5°	700.7	703.7	711.4	711.4	701.1	684.2	673.9	659.9	648.2	641.2	640.1
7.5°	719.4	725.3	730.5	714.7	679.4	637.5	593.1	558.2	527.7	511.9	510.5
10°	745.9	751.4	747.4	702.2	626.5	539.9	467.5	394.8	358.4	338.6	338.6
12.5°	777.5	781.9	757.3	671.0	539.5	413.9	317.3	240.9	204.6	181.1	179.6
15°	811.6	812.7	755.8	616.6	431.9	278.0	182.2	133.7	118.3	114.9	114.2
17.5°	841.4	837.0	740.4	536.2	311.1	165.6	115.7	104.7	101.7	101.7	101.7
20°	869.3	854.6	709.5	442.5	199.4	112.7	99.5	96.6	96.6	97.0	97.0
22.5°	900.1	871.1	665.5	338.6	128.2	96.6	93.3	91.8	91.4	92.5	92.2
25°	936.5	887.3	602.3	233.9	99.2	90.0	88.5	87.0	87.0	87.0	87.0
27.5°	956.7	885.1	530.3	147.6	86.7	83.4	81.9	80.4	79.3	79.0	79.3
30°	974.3	872.2	436.3	103.2	78.2	74.6	73.5	71.6	69.4	68.7	68.7
32.5°	997.5	861.6	337.9	83.0	70.9	66.8	63.5	60.6	56.9	55.5	55.1
35°	1023.2	842.1	247.5	73.1	64.3	59.1	54.0	49.2	44.4	43.0	42.6
37.5°	1055.1	824.5	167.8	67.6	58.8	52.5	45.5	38.9	34.5	33.8	33.8
40°	1098.4	809.8	116.1	62.8	53.6	46.3	37.8	30.8	27.9	27.2	27.2
42.5°	1157.6	797.7	87.8	58.8	49.2	40.0	30.5	25.3	23.1	22.4	22.4
45°	1227.4	778.9	74.2	55.1	44.8	33.8	25.3	21.3	20.2	20.2	20.2
47.5°	1307.4	755.4	67.6	51.4	40.0	27.5	21.3	19.5	19.1	19.1	19.5
50°	1388.2	727.5	62.8	47.0	34.5	23.5	19.5	18.4	18.4	18.7	18.7
52.5°	1442.9	683.8	58.0	42.2	29.0	20.6	18.4	18.0	17.6	17.6	17.6
55°	1496.2	645.6	51.4	37.1	24.2	19.1	17.6	17.3	17.3	16.9	16.9
57.5°	1551.6	615.5	43.0	30.8	20.6	18.0	16.9	16.9	16.2	15.8	15.8
60°	1615.9	589.1	33.1	24.2	18.0	16.9	15.8	15.4	14.7	14.0	14.0
62.5°	1634.6	533.2	25.0	19.5	15.4	14.7	14.3	13.6	11.8	10.3	10.7
65°	1585.8	445.5	19.8	15.4	12.5	12.5	11.4	9.5	7.7	6.6	6.6
67.5°	1451.0	332.7	16.2	12.1	9.9	9.5	8.1	7.0	4.8	4.0	4.0
70°	1195.8	220.0	13.2	9.5	8.1	6.6	5.5	5.1	3.7	2.9	2.9
72.5°	838.1	119.4	11.0	7.7	5.9	4.4	3.7	3.3	2.6	2.2	1.8
75°	442.5	45.9	8.8	5.9	3.7	2.9	2.2	2.2	1.8	1.5	1.5
77.5°	151.7	19.5	6.2	3.3	2.6	1.8	1.5	1.1	1.5	1.1	1.1
80°	36.0	11.4	4.0	2.2	1.5	1.1	1.1	0.7	0.7	0.7	0.7
82.5°	15.8	6.6	2.6	1.5	1.5	1.1	0.7	0.4	0.4	0.4	0.4
85°	10.7	4.0	1.8	1.5	1.1	0.7	0.4	0.4	0.0	0.0	0.0
87.5°	8.4	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)