

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: P674595

Luminaire Tested: **CCP-SA-1E-827-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674595
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-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

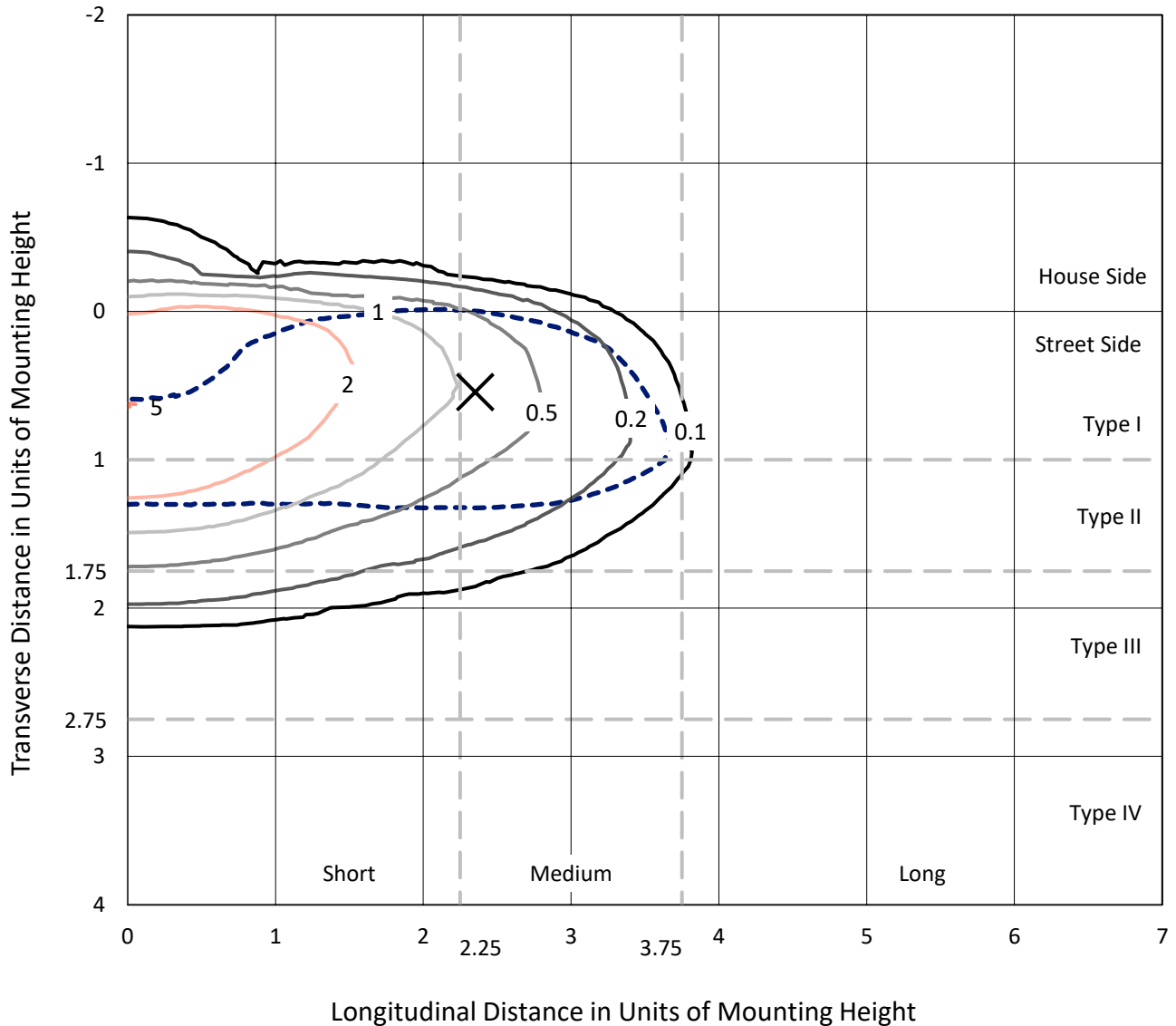
Lumens per Lamp: N/A
Luminaire Lumens: 4069.5 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

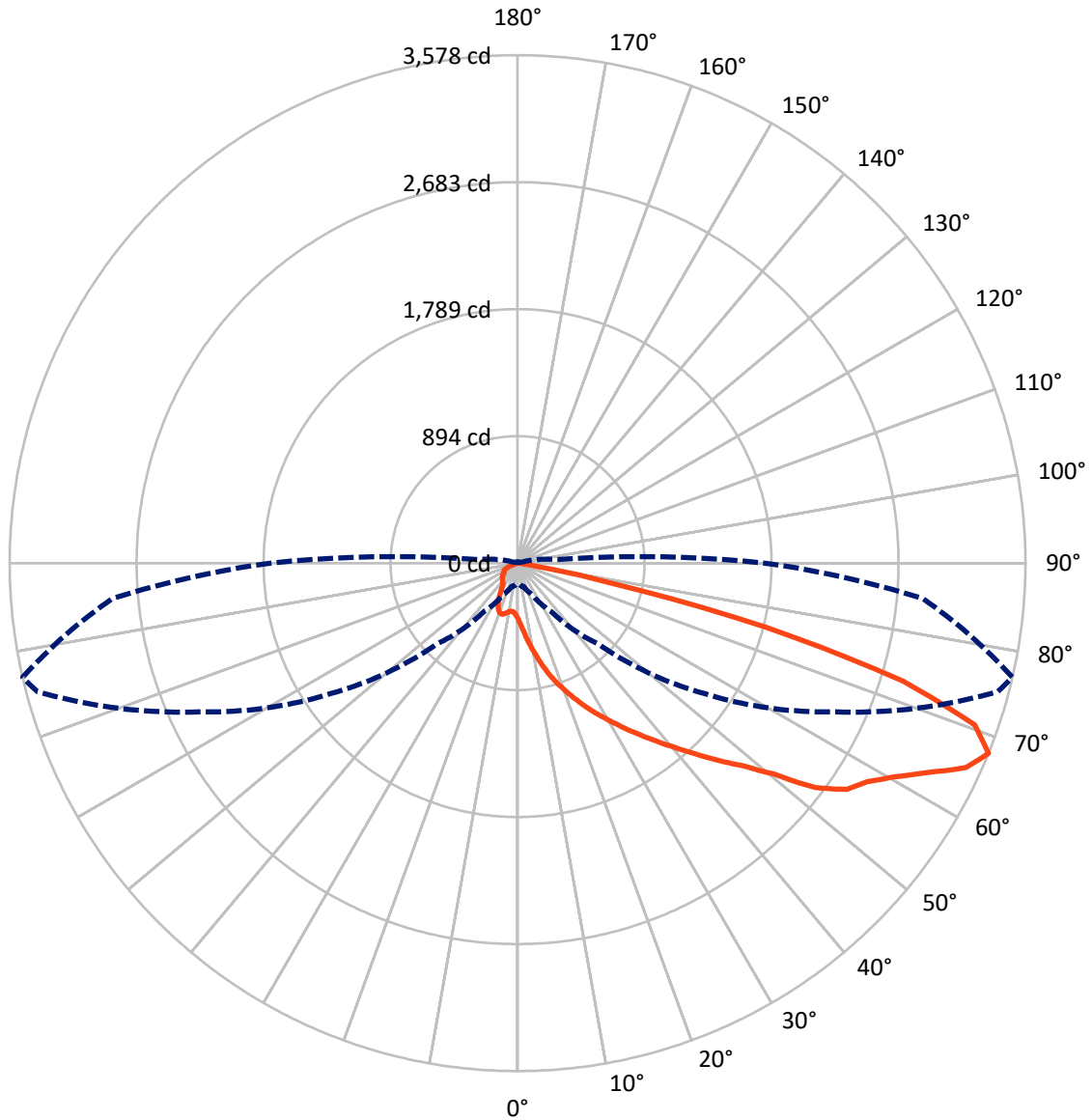
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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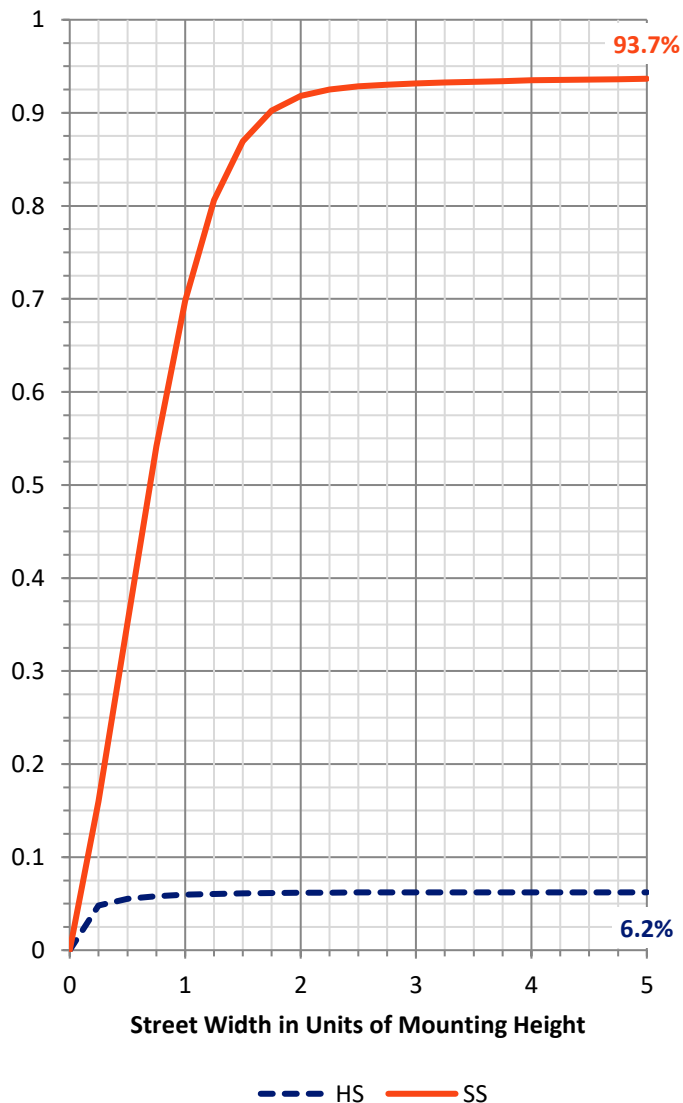
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	254.3	0.0	254.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3815.2	0.0	3815.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	4069.5	0.0	4069.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.1
10°-20°	169.4	4.2
20°-30°	331.0	8.1
30°-40°	578.6	14.2
40°-50°	843.9	20.7
50°-60°	986.8	24.2
60°-70°	799.9	19.7
70°-80°	300.5	7.4
80°-90°	13.7	0.3
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°	4069.5	100.0
0°-180°	4069.5	100.0



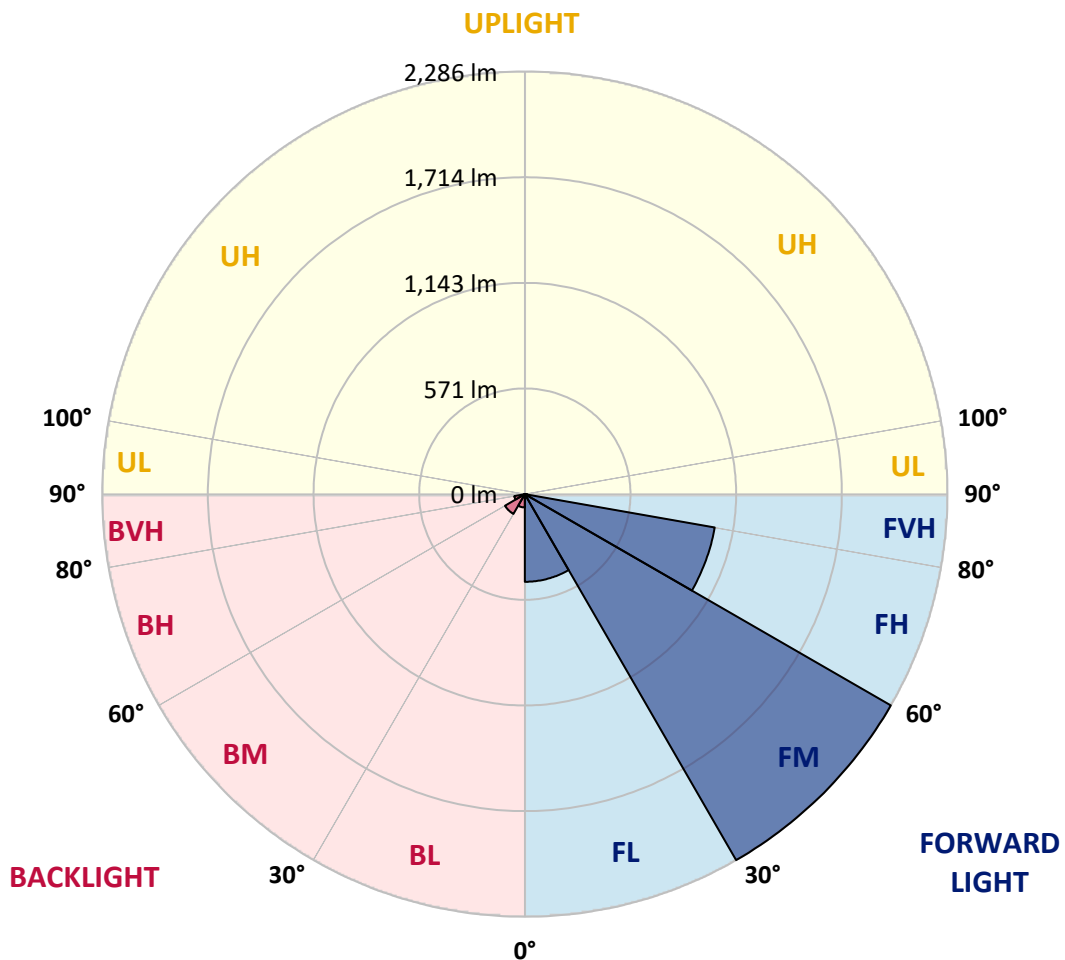
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.1	11.6			
FM (30°-60°)	2285.5	56.2			
FH (60°-80°)	1042.7	25.6			G1/1800
FVH (80°-90°)	12.9	0.3			G1/100
BL (0°-30°)	72.1	1.8	B0/110		
BM (30°-60°)	123.7	3.0	B0/220		
BH (60°-80°)	57.7	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: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8
2.5°	585.2	563.9	568.0	559.1	547.7	521.3	493.4	465.5	440.5	435.0	410.0
5°	749.4	742.8	735.8	730.0	706.1	673.0	622.7	558.8	501.1	491.2	439.4
7.5°	876.9	867.0	873.2	855.2	830.3	798.3	734.4	666.0	577.1	562.4	482.0
10°	971.0	965.4	968.4	959.9	947.8	915.9	852.7	767.1	664.2	636.3	529.7
12.5°	1041.5	1042.6	1055.5	1056.2	1046.3	1020.2	953.3	864.1	743.2	718.2	582.6
15°	1092.9	1094.0	1109.8	1126.7	1138.1	1124.5	1063.9	964.0	836.1	802.0	638.1
17.5°	1101.4	1102.1	1130.0	1164.2	1199.5	1211.2	1164.6	1063.2	921.0	882.1	701.7
20°	1106.9	1113.1	1138.1	1177.4	1233.3	1269.6	1244.3	1158.3	1003.3	958.1	764.1
22.5°	1173.7	1173.7	1188.4	1216.4	1260.8	1317.8	1312.6	1245.8	1083.4	1038.6	826.2
25°	1315.6	1315.6	1301.2	1293.9	1317.8	1362.6	1375.4	1339.1	1174.9	1121.9	891.6
27.5°	1503.3	1503.3	1480.9	1426.9	1406.3	1425.0	1438.6	1420.3	1259.3	1207.2	960.7
30°	1698.0	1704.6	1665.7	1597.0	1525.0	1510.6	1497.4	1493.4	1349.4	1290.6	1030.8
32.5°	1893.4	1892.7	1844.2	1758.6	1664.6	1613.9	1570.9	1566.1	1444.9	1387.2	1097.3
35°	2049.6	2049.9	1998.9	1911.1	1802.3	1737.7	1668.6	1646.2	1549.6	1485.3	1176.7
37.5°	2184.8	2177.0	2121.9	2038.5	1937.1	1870.3	1784.3	1725.9	1657.9	1592.6	1256.0
40°	2262.3	2252.0	2198.3	2119.0	2042.2	1991.1	1915.5	1822.2	1777.0	1706.4	1346.4
42.5°	2273.7	2264.8	2229.2	2181.4	2118.6	2073.8	2053.6	1930.9	1901.9	1838.0	1454.4
45°	2241.7	2227.4	2215.6	2190.6	2173.0	2151.3	2178.9	2046.6	2045.2	1981.6	1561.3
47.5°	2162.3	2142.9	2145.8	2173.4	2193.2	2212.7	2298.6	2198.3	2189.5	2130.0	1701.7
50°	2026.8	2017.2	2049.6	2103.9	2182.5	2260.4	2418.0	2353.4	2388.3	2332.4	1895.3
52.5°	1751.3	1763.0	1859.6	1990.4	2126.3	2282.8	2530.1	2584.8	2674.1	2628.2	2090.0
55°	1420.6	1416.2	1545.2	1777.3	1994.5	2268.5	2578.9	2721.1	2861.4	2813.3	2198.3
57.5°	1144.4	1152.1	1239.1	1468.7	1770.7	2157.9	2590.3	2792.4	2936.8	2904.8	2298.6
60°	858.9	866.3	945.6	1145.5	1473.2	1927.2	2496.3	2817.4	3078.2	3054.0	2458.8
62.5°	546.6	556.2	635.9	830.3	1126.0	1568.7	2285.0	2791.3	3225.9	3246.1	2677.4
65°	268.9	277.4	336.1	484.9	752.7	1173.0	1990.4	2691.7	3414.0	3471.7	2852.6
67.5°	148.8	152.8	173.0	246.9	419.9	804.5	1599.5	2479.0	3500.3	3577.5	2864.4
70°	115.7	116.8	124.5	144.0	204.6	472.1	1137.7	2124.9	3321.4	3414.7	2626.0
72.5°	97.4	98.8	102.5	109.1	127.8	245.8	714.9	1642.1	2794.6	2836.8	2031.6
75°	71.3	73.5	83.8	89.6	101.0	149.2	315.2	986.8	1846.8	1805.3	1136.6
77.5°	59.9	61.7	64.3	72.7	83.4	101.8	110.6	413.7	751.6	653.6	298.3
80°	40.8	43.0	50.0	54.4	70.5	67.2	45.9	110.9	151.0	123.1	57.3
82.5°	29.0	30.9	34.5	44.5	51.1	35.6	25.0	33.8	36.4	34.5	18.7
85°	9.2	11.8	25.0	36.7	27.6	12.1	15.8	12.9	11.4	11.0	7.3
87.5°	1.8	1.8	12.5	14.7	11.0	6.2	5.5	4.0	5.1	5.1	4.0
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°	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8
2.5°	398.2	381.7	357.8	335.4	312.6	296.5	285.1	273.7	269.3	267.4	262.7
5°	415.9	384.3	336.9	298.7	270.8	253.1	242.5	233.3	227.4	225.6	223.0
7.5°	441.2	395.7	327.7	283.6	255.7	236.6	219.3	199.5	183.7	177.4	174.9
10°	468.8	412.9	329.2	280.7	243.6	201.7	163.1	131.2	117.2	112.0	108.4
12.5°	509.2	432.0	335.4	277.4	207.2	144.0	104.3	91.1	87.8	87.1	86.3
15°	549.6	458.8	345.7	255.3	154.7	98.1	86.7	81.9	80.1	78.2	78.2
17.5°	590.4	484.6	349.7	212.3	106.9	84.9	79.0	74.9	72.0	70.5	69.4
20°	636.3	511.7	338.0	159.8	85.6	77.5	70.9	66.1	63.6	62.1	61.0
22.5°	685.9	538.6	312.3	111.3	77.9	69.8	63.6	58.8	56.2	54.7	54.4
25°	732.5	561.7	271.1	83.8	70.2	62.5	56.6	52.5	50.7	49.2	48.9
27.5°	780.7	581.5	217.5	73.8	63.9	56.6	50.7	47.4	45.6	44.5	44.1
30°	827.7	595.1	162.0	67.6	58.4	51.1	45.9	43.3	41.5	40.4	40.0
32.5°	876.2	602.9	109.5	62.1	52.9	46.3	41.9	39.3	38.2	37.1	37.1
35°	922.8	601.8	79.0	56.9	48.5	41.9	37.8	36.0	35.6	34.5	34.5
37.5°	973.9	594.0	67.2	52.2	43.7	37.8	34.5	33.4	33.1	32.3	32.0
40°	1031.9	576.8	61.4	48.5	39.7	34.5	31.6	30.9	30.5	29.8	29.8
42.5°	1095.5	554.4	58.0	44.5	36.4	31.2	29.0	27.9	27.6	26.8	26.8
45°	1169.3	533.1	55.8	40.4	33.4	28.7	26.5	25.3	25.0	24.2	24.2
47.5°	1270.0	520.9	52.2	36.7	30.1	26.1	23.9	23.1	22.4	21.7	21.7
50°	1408.5	506.6	47.4	33.1	27.6	23.5	22.0	20.9	20.6	19.8	19.8
52.5°	1522.4	476.1	42.6	29.4	24.6	21.7	20.2	19.5	18.7	18.4	18.4
55°	1562.4	440.5	37.8	26.5	22.4	20.2	18.7	18.0	17.6	17.3	17.3
57.5°	1626.3	429.1	33.4	23.5	20.2	18.7	17.3	16.9	16.5	16.2	15.8
60°	1735.5	435.7	29.4	20.9	18.4	16.9	15.8	15.4	14.7	14.0	14.0
62.5°	1841.3	427.6	25.0	18.4	15.8	15.1	14.0	13.2	11.8	10.7	9.9
65°	1867.0	373.6	21.7	15.4	13.2	12.5	11.4	9.9	7.7	6.2	6.2
67.5°	1742.4	284.0	18.7	13.2	11.0	10.3	8.1	6.6	4.8	3.7	3.7
70°	1437.9	180.0	15.4	10.3	9.2	7.0	5.1	4.8	3.3	2.9	2.6
72.5°	1037.5	98.5	12.9	8.4	6.6	4.4	3.7	2.9	2.2	1.5	1.5
75°	525.3	46.3	9.6	6.6	4.4	2.9	2.2	1.5	1.5	1.1	1.1
77.5°	148.8	21.3	6.2	4.4	2.9	1.8	1.5	1.1	1.1	0.7	0.7
80°	29.4	10.7	4.0	2.9	2.2	1.5	1.1	0.7	0.7	0.4	0.4
82.5°	10.7	5.5	2.9	2.2	1.8	1.5	0.7	0.4	0.4	0.0	0.0
85°	5.5	2.9	2.2	1.8	1.5	1.1	0.7	0.4	0.0	0.0	0.0
87.5°	2.9	2.2	1.8	1.8	1.5	1.1	0.7	0.4	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)