

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: P674641

Luminaire Tested: **CCP-SA-2A-850-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674641
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-850-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

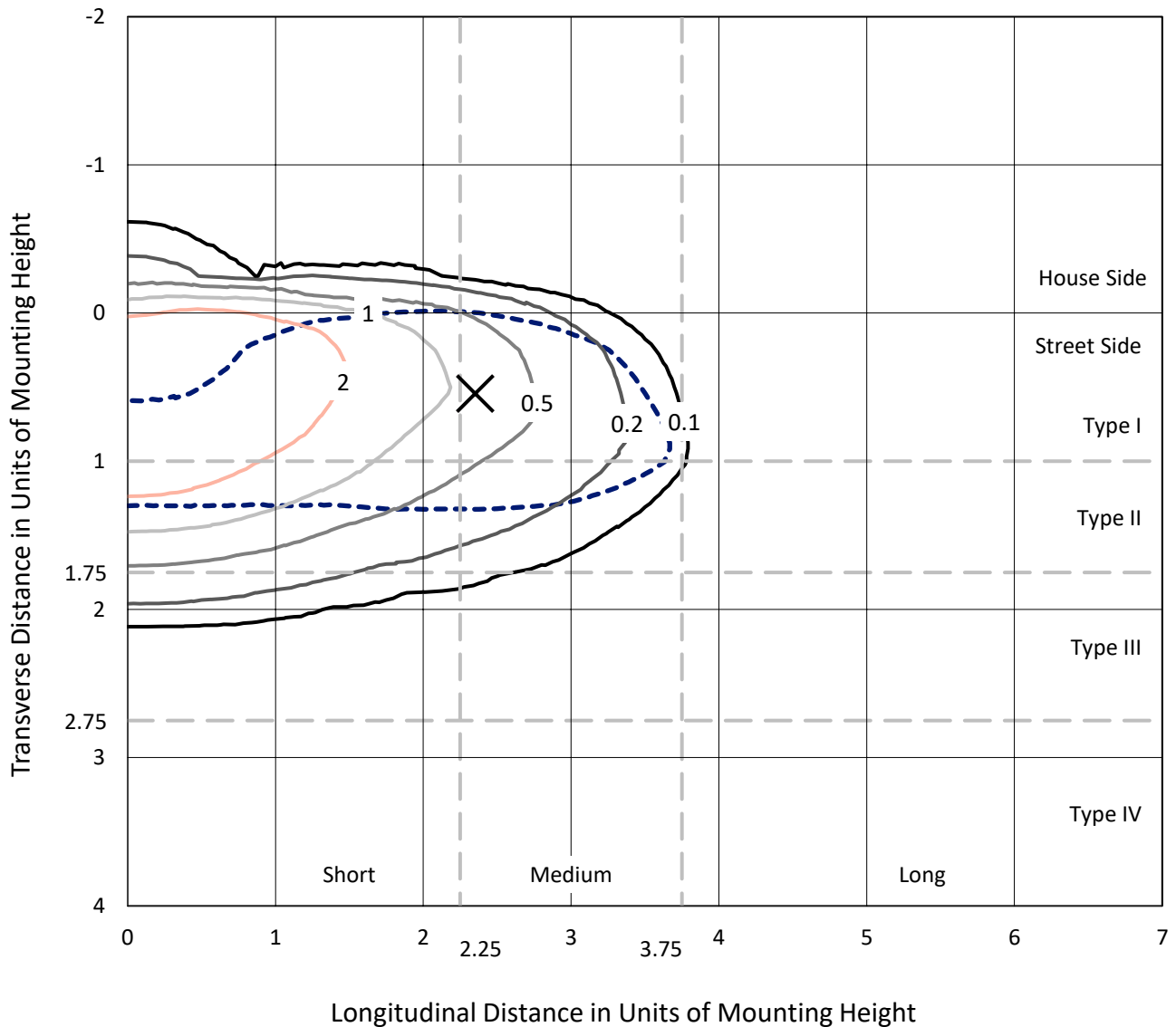
Lumens per Lamp: N/A
Luminaire Lumens: 3866 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 36.2
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

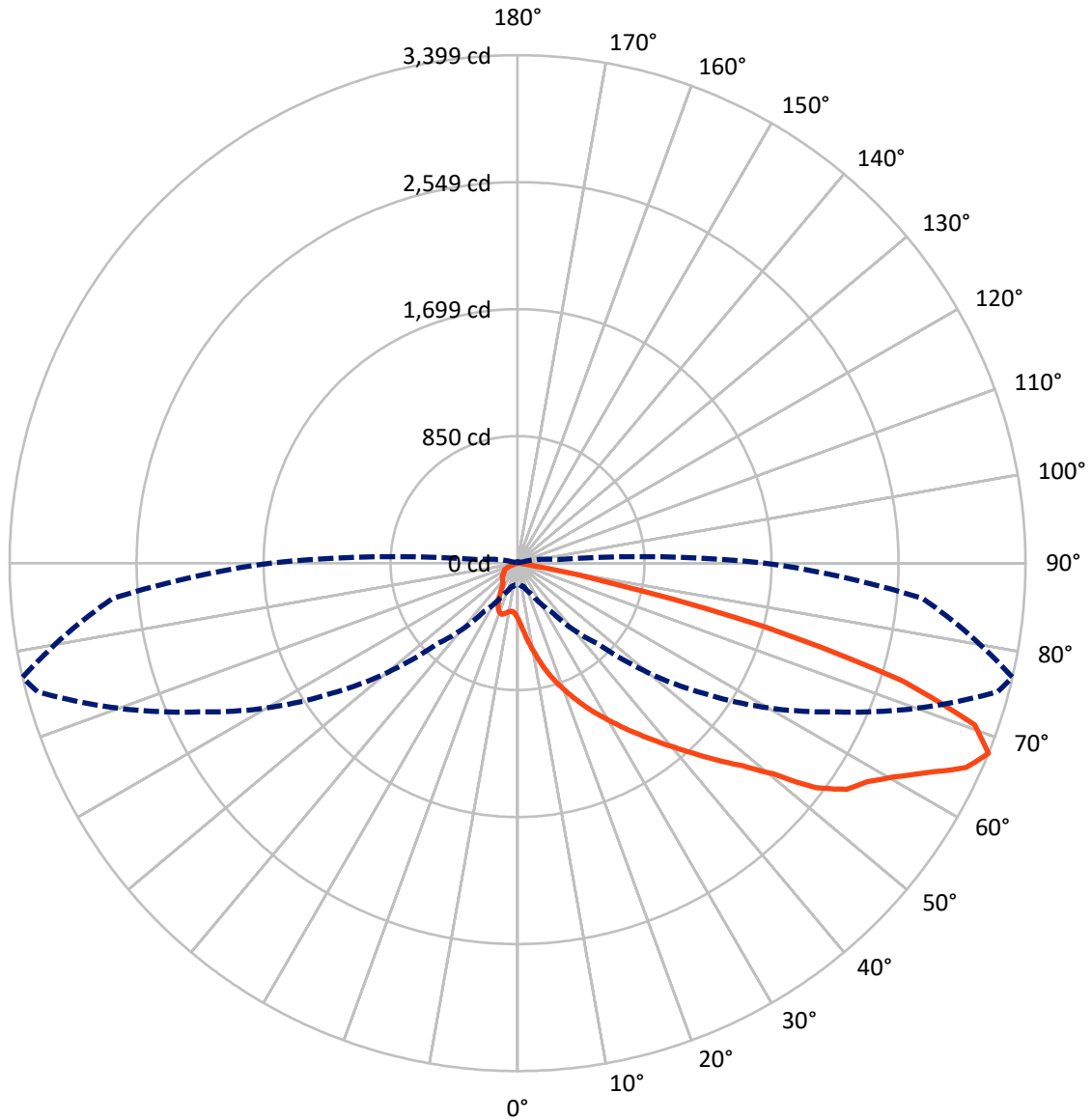
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 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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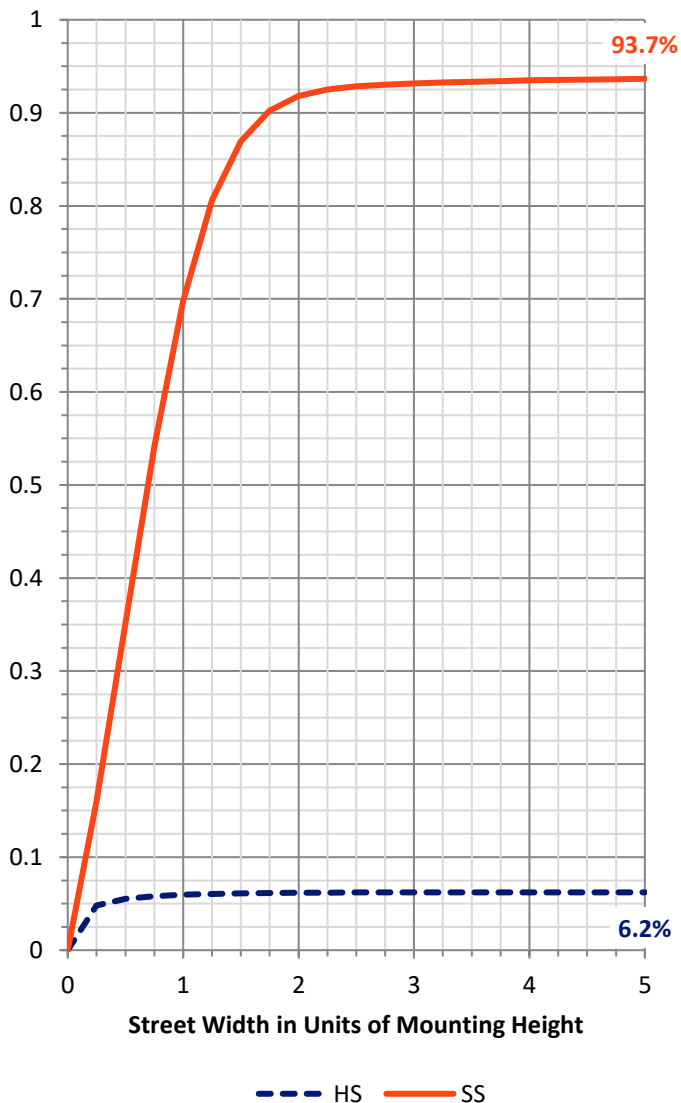
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.6	0.0	241.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3624.4	0.0	3624.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	3866.0	0.0	3866.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	1.1
10°-20°	160.9	4.2
20°-30°	314.4	8.1
30°-40°	549.7	14.2
40°-50°	801.7	20.7
50°-60°	937.4	24.2
60°-70°	759.9	19.7
70°-80°	285.5	7.4
80°-90°	13.0	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°	3866.0	100.0
0°-180°	3866.0	100.0



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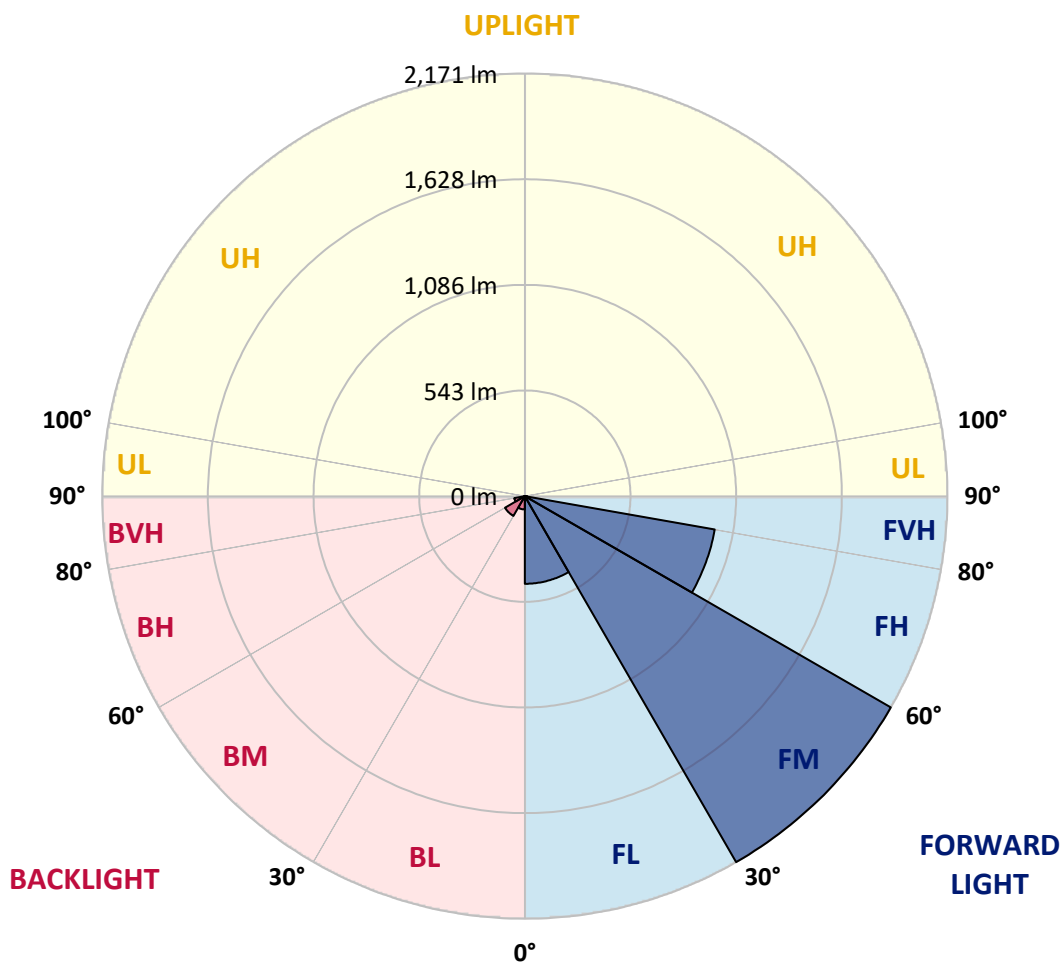
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.3	11.6			
FM (30°-60°)	2171.2	56.2			
FH (60°-80°)	990.6	25.6			G1/1800
FVH (80°-90°)	12.2	0.3			G1/100
BL (0°-30°)	68.5	1.8	B0/110		
BM (30°-60°)	117.5	3.0	B0/220		
BH (60°-80°)	54.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3
2.5°	556.0	535.7	539.5	531.2	520.4	495.2	468.7	442.2	418.4	413.2	389.5
5°	712.0	705.7	699.0	693.5	670.8	639.4	591.6	530.8	476.0	466.6	417.4
7.5°	833.1	823.6	829.6	812.5	788.7	758.4	697.6	632.7	548.3	534.3	457.9
10°	922.4	917.2	920.0	911.9	900.4	870.1	810.0	728.7	631.0	604.5	503.3
12.5°	989.4	990.5	1002.7	1003.4	993.9	969.2	905.6	820.8	706.0	682.3	553.5
15°	1038.3	1039.3	1054.3	1070.4	1081.2	1068.3	1010.7	915.8	794.3	761.9	606.2
17.5°	1046.3	1047.0	1073.5	1106.0	1139.5	1150.6	1106.3	1010.0	874.9	837.9	666.6
20°	1051.5	1057.5	1081.2	1118.5	1171.6	1206.1	1182.1	1100.4	953.1	910.2	725.9
22.5°	1115.0	1115.0	1129.0	1155.5	1197.8	1251.9	1247.0	1183.5	1029.2	986.6	784.9
25°	1249.8	1249.8	1236.1	1229.2	1251.9	1294.4	1306.6	1272.1	1116.1	1065.8	847.0
27.5°	1428.1	1428.1	1406.8	1355.5	1336.0	1353.8	1366.7	1349.2	1196.4	1146.8	912.6
30°	1613.1	1619.3	1582.4	1517.1	1448.7	1435.1	1422.5	1418.7	1281.9	1226.0	979.3
32.5°	1798.7	1798.0	1752.0	1670.7	1581.3	1533.1	1492.3	1487.8	1372.6	1317.8	1042.5
35°	1947.1	1947.4	1898.9	1815.5	1712.2	1650.8	1585.1	1563.9	1472.1	1411.0	1117.8
37.5°	2075.5	2068.2	2015.8	1936.6	1840.3	1776.7	1695.1	1639.6	1575.0	1512.9	1193.2
40°	2149.1	2139.4	2088.4	2013.0	1940.1	1891.6	1819.7	1731.0	1688.1	1621.1	1279.1
42.5°	2159.9	2151.6	2117.7	2072.3	2012.7	1970.1	1950.9	1834.3	1806.8	1746.0	1381.7
45°	2129.6	2116.0	2104.8	2081.1	2064.3	2043.7	2069.9	1944.3	1942.9	1882.5	1483.2
47.5°	2054.2	2035.7	2038.5	2064.7	2083.5	2102.0	2183.7	2088.4	2080.0	2023.5	1616.6
50°	1925.4	1916.3	1947.1	1998.7	2073.4	2147.4	2297.1	2235.7	2268.8	2215.8	1800.5
52.5°	1663.7	1674.8	1766.6	1890.9	2020.0	2168.7	2403.5	2455.5	2540.4	2496.7	1985.4
55°	1349.6	1345.4	1467.9	1688.4	1894.7	2155.1	2450.0	2585.0	2718.3	2672.6	2088.4
57.5°	1087.1	1094.5	1177.2	1395.3	1682.2	2050.0	2460.8	2652.7	2789.9	2759.5	2183.7
60°	816.0	822.9	898.3	1088.2	1399.5	1830.8	2371.4	2676.5	2924.2	2901.2	2335.8
62.5°	519.3	528.4	604.1	788.7	1069.7	1490.2	2170.8	2651.7	3064.5	3083.7	2543.5
65°	255.5	263.5	319.3	460.7	715.1	1114.3	1890.9	2557.1	3243.2	3298.0	2710.0
67.5°	141.3	145.2	164.4	234.5	398.9	764.3	1519.5	2355.0	3325.2	3398.5	2721.1
70°	109.9	111.0	118.3	136.8	194.4	448.5	1080.8	2018.6	3155.3	3243.9	2494.6
72.5°	92.5	93.9	97.4	103.7	121.5	233.5	679.1	1560.0	2654.8	2695.0	1930.0
75°	67.7	69.8	79.6	85.2	96.0	141.7	299.4	937.4	1754.4	1715.0	1079.8
77.5°	56.9	58.6	61.1	69.1	79.2	96.7	105.0	393.0	714.0	620.9	283.4
80°	38.7	40.8	47.5	51.7	67.0	63.9	43.6	105.4	143.4	116.9	54.4
82.5°	27.6	29.3	32.8	42.2	48.5	33.9	23.7	32.1	34.6	32.8	17.8
85°	8.7	11.2	23.7	34.9	26.2	11.5	15.0	12.2	10.8	10.5	7.0
87.5°	1.7	1.7	11.9	14.0	10.5	5.9	5.2	3.8	4.9	4.9	3.8
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°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3
2.5°	378.3	362.6	339.9	318.6	297.0	281.6	270.8	260.0	255.8	254.1	249.5
5°	395.1	365.1	320.0	283.7	257.2	240.5	230.3	221.6	216.0	214.3	211.8
7.5°	419.1	375.9	311.3	269.4	242.9	224.8	208.4	189.5	174.5	168.6	166.1
10°	445.3	392.3	312.7	266.6	231.4	191.6	155.0	124.6	111.3	106.4	103.0
12.5°	483.7	410.4	318.6	263.5	196.8	136.8	99.1	86.6	83.4	82.7	82.0
15°	522.1	435.9	328.4	242.6	146.9	93.2	82.4	77.8	76.1	74.3	74.3
17.5°	560.8	460.3	332.2	201.7	101.6	80.6	75.0	71.2	68.4	67.0	66.0
20°	604.5	486.2	321.1	151.8	81.3	73.6	67.4	62.8	60.4	59.0	57.9
22.5°	651.6	511.6	296.6	105.7	74.0	66.3	60.4	55.8	53.4	52.0	51.7
25°	695.9	533.6	257.6	79.6	66.7	59.3	53.7	49.9	48.2	46.8	46.4
27.5°	741.6	552.5	206.6	70.1	60.7	53.7	48.2	45.0	43.3	42.2	41.9
30°	786.3	565.4	153.9	64.2	55.5	48.5	43.6	41.2	39.4	38.4	38.0
32.5°	832.4	572.7	104.0	59.0	50.3	44.0	39.8	37.3	36.3	35.2	35.2
35°	876.7	571.7	75.0	54.1	46.1	39.8	35.9	34.2	33.9	32.8	32.8
37.5°	925.2	564.3	63.9	49.6	41.5	35.9	32.8	31.8	31.4	30.7	30.4
40°	980.3	547.9	58.3	46.1	37.7	32.8	30.0	29.3	29.0	28.3	28.3
42.5°	1040.7	526.6	55.1	42.2	34.6	29.7	27.6	26.5	26.2	25.5	25.5
45°	1110.9	506.4	53.0	38.4	31.8	27.2	25.1	24.1	23.7	23.0	23.0
47.5°	1206.5	494.9	49.6	34.9	28.6	24.8	22.7	22.0	21.3	20.6	20.6
50°	1338.1	481.3	45.0	31.4	26.2	22.3	20.9	19.9	19.5	18.8	18.8
52.5°	1446.2	452.3	40.5	27.9	23.4	20.6	19.2	18.5	17.8	17.4	17.4
55°	1484.3	418.4	35.9	25.1	21.3	19.2	17.8	17.1	16.8	16.4	16.4
57.5°	1545.0	407.6	31.8	22.3	19.2	17.8	16.4	16.1	15.7	15.4	15.0
60°	1648.7	413.9	27.9	19.9	17.4	16.1	15.0	14.7	14.0	13.3	13.3
62.5°	1749.2	406.2	23.7	17.4	15.0	14.3	13.3	12.6	11.2	10.1	9.4
65°	1773.6	354.9	20.6	14.7	12.6	11.9	10.8	9.4	7.3	5.9	5.9
67.5°	1655.3	269.8	17.8	12.6	10.5	9.8	7.7	6.3	4.5	3.5	3.5
70°	1366.0	171.0	14.7	9.8	8.7	6.6	4.9	4.5	3.1	2.8	2.4
72.5°	985.6	93.5	12.2	8.0	6.3	4.2	3.5	2.8	2.1	1.4	1.4
75°	499.1	44.0	9.1	6.3	4.2	2.8	2.1	1.4	1.4	1.0	1.0
77.5°	141.3	20.2	5.9	4.2	2.8	1.7	1.4	1.0	1.0	0.7	0.7
80°	27.9	10.1	3.8	2.8	2.1	1.4	1.0	0.7	0.7	0.3	0.3
82.5°	10.1	5.2	2.8	2.1	1.7	1.4	0.7	0.3	0.3	0.0	0.0
85°	5.2	2.8	2.1	1.7	1.4	1.0	0.7	0.3	0.0	0.0	0.0
87.5°	2.8	2.1	1.7	1.7	1.4	1.0	0.7	0.3	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)