

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: P674521

Luminaire Tested: **CCP-SA-2B-722-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674521
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-722-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

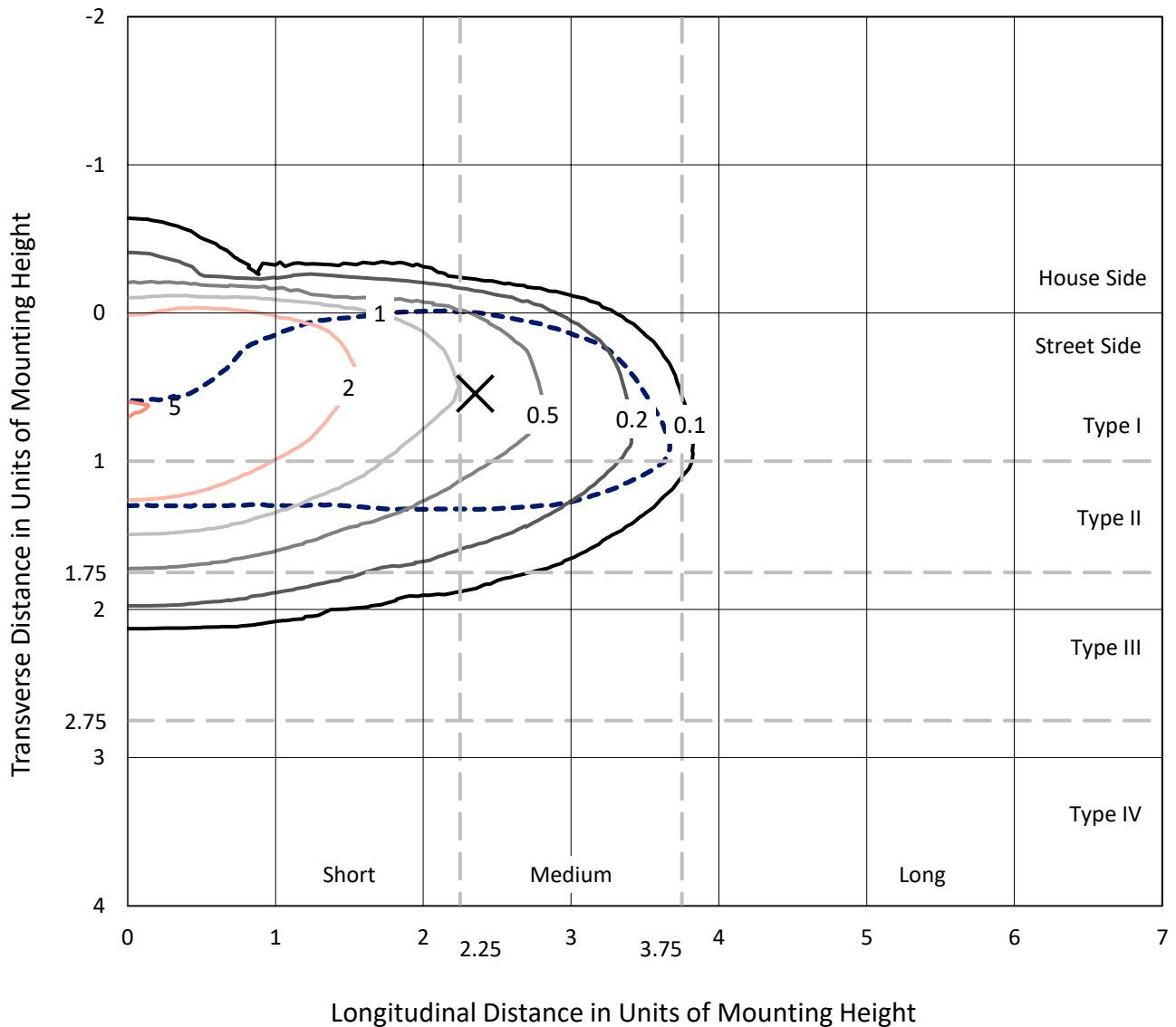
Lumens per Lamp: N/A
Luminaire Lumens: 4119.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 46
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

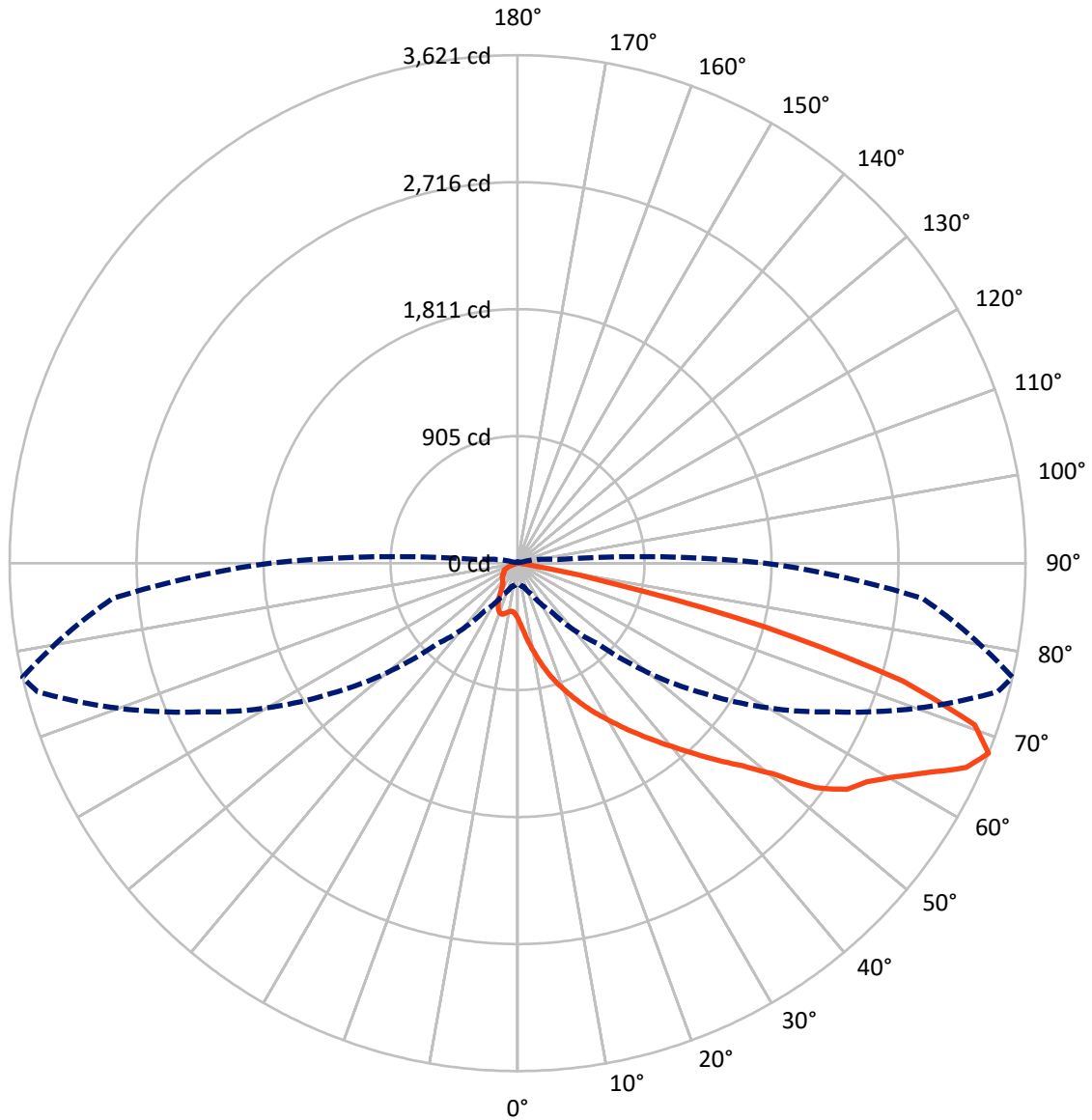
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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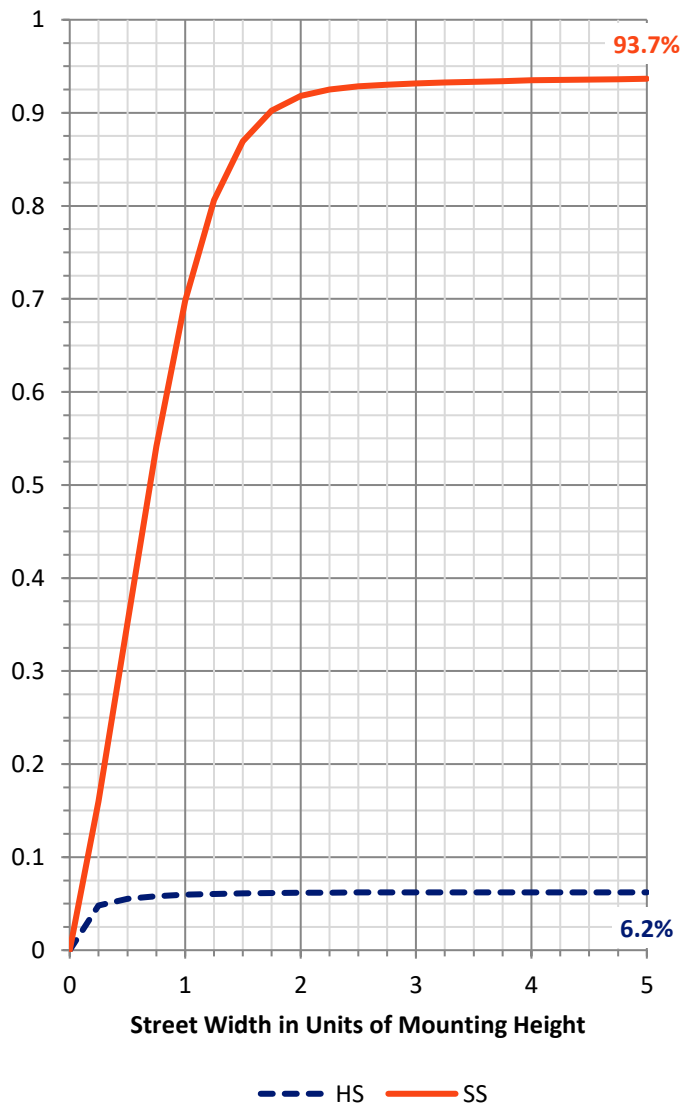
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	257.4	0.0	257.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3861.6	0.0	3861.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	4119.1	0.0	4119.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	1.1
10°-20°	171.5	4.2
20°-30°	335.0	8.1
30°-40°	585.7	14.2
40°-50°	854.1	20.7
50°-60°	998.8	24.2
60°-70°	809.6	19.7
70°-80°	304.2	7.4
80°-90°	13.8	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°	4119.1	100.0
0°-180°	4119.1	100.0

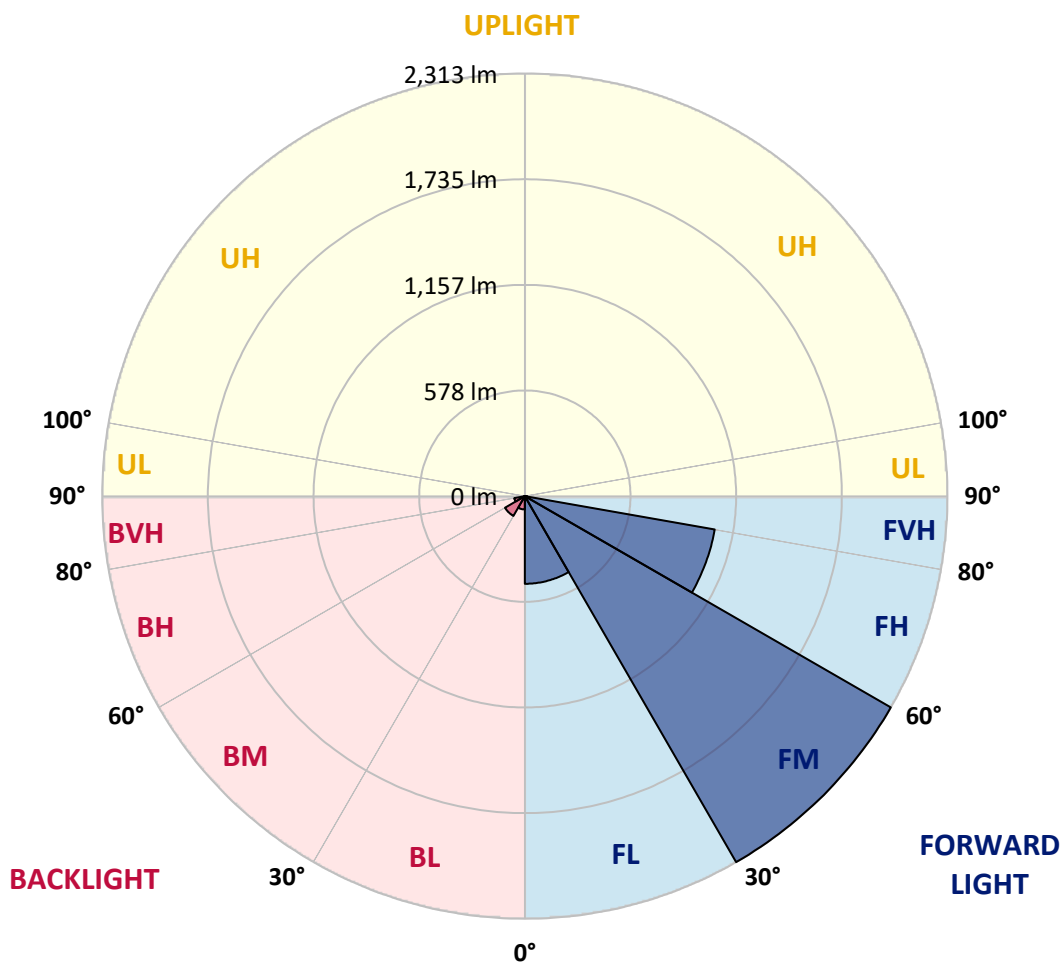


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.8	11.6			
FM (30°-60°)	2313.4	56.2			
FH (60°-80°)	1055.4	25.6			G1/1800
FVH (80°-90°)	13.0	0.3			G1/100
BL (0°-30°)	73.0	1.8	B0/110		
BM (30°-60°)	125.2	3.0	B0/220		
BH (60°-80°)	58.4	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°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5
2.5°	592.3	570.8	574.9	565.9	554.4	527.6	499.4	471.1	445.8	440.3	415.0
5°	758.6	751.9	744.8	738.9	714.7	681.2	630.3	565.6	507.2	497.2	444.7
7.5°	887.6	877.6	883.9	865.7	840.4	808.0	743.3	674.2	584.2	569.3	487.9
10°	982.8	977.2	980.2	971.6	959.4	927.0	863.1	776.4	672.3	644.0	536.2
12.5°	1054.2	1055.3	1068.3	1069.1	1059.0	1032.6	964.9	874.6	752.2	727.0	589.7
15°	1106.2	1107.4	1123.3	1140.4	1152.0	1138.2	1076.9	975.7	846.3	811.7	645.9
17.5°	1114.8	1115.5	1143.8	1178.4	1214.1	1226.0	1178.7	1076.1	932.2	892.8	710.2
20°	1120.4	1126.7	1152.0	1191.8	1248.3	1285.1	1259.4	1172.4	1015.5	969.8	773.4
22.5°	1188.0	1188.0	1202.9	1231.2	1276.2	1333.8	1328.6	1260.9	1096.6	1051.2	836.3
25°	1331.6	1331.6	1317.1	1309.6	1333.8	1379.2	1392.2	1355.4	1189.2	1135.6	902.5
27.5°	1521.6	1521.6	1498.9	1444.2	1423.4	1442.4	1456.1	1437.6	1274.7	1221.9	972.4
30°	1718.7	1725.4	1685.9	1616.4	1543.5	1529.0	1515.6	1511.5	1365.8	1306.3	1043.4
32.5°	1916.5	1915.7	1866.7	1780.0	1684.8	1633.5	1590.0	1585.2	1462.5	1404.1	1110.7
35°	2074.5	2074.9	2023.2	1934.3	1824.3	1758.8	1688.9	1666.2	1568.4	1503.4	1191.0
37.5°	2211.4	2203.6	2147.8	2063.4	1960.7	1893.1	1806.0	1746.9	1678.1	1611.9	1271.3
40°	2289.8	2279.4	2225.1	2144.8	2067.1	2015.4	1938.8	1844.3	1798.6	1727.2	1362.8
42.5°	2301.3	2292.4	2256.4	2208.0	2144.4	2099.1	2078.6	1954.4	1925.0	1860.3	1472.1
45°	2269.0	2254.5	2242.6	2217.3	2199.5	2177.5	2205.4	2071.5	2070.1	2005.7	1580.3
47.5°	2188.7	2169.0	2171.9	2199.8	2219.9	2239.6	2326.6	2225.1	2216.2	2156.0	1722.4
50°	2051.5	2041.8	2074.5	2129.6	2209.1	2288.0	2447.5	2382.0	2417.4	2360.8	1918.3
52.5°	1772.6	1784.5	1882.3	2014.7	2152.2	2310.6	2560.9	2616.3	2706.7	2660.2	2115.4
55°	1437.9	1433.5	1564.0	1799.0	2018.7	2296.1	2610.3	2754.3	2896.3	2847.6	2225.1
57.5°	1158.3	1166.1	1254.2	1486.6	1792.3	2184.2	2621.9	2826.4	2972.5	2940.2	2326.6
60°	869.4	876.8	957.1	1159.4	1491.1	1950.7	2526.7	2851.7	3115.7	3091.1	2488.8
62.5°	553.3	563.0	643.7	840.4	1139.7	1587.8	2312.9	2825.3	3265.2	3285.6	2710.0
65°	272.2	280.7	340.2	490.8	761.9	1187.3	2014.7	2724.5	3455.6	3513.9	2887.4
67.5°	150.6	154.7	175.1	249.9	425.0	814.3	1619.0	2509.2	3542.9	3621.0	2899.3
70°	117.1	118.2	126.1	145.8	207.1	477.8	1151.6	2150.7	3361.8	3456.3	2657.9
72.5°	98.5	100.0	103.7	110.4	129.4	248.8	723.6	1662.1	2828.6	2871.4	2056.3
75°	72.1	74.4	84.8	90.7	102.3	151.0	319.0	998.8	1869.3	1827.2	1150.5
77.5°	60.6	62.5	65.1	73.6	84.4	103.0	111.9	418.7	760.8	661.5	301.9
80°	41.3	43.5	50.6	55.0	71.4	68.0	46.5	112.3	152.8	124.6	58.0
82.5°	29.4	31.2	35.0	45.0	51.7	36.1	25.3	34.2	36.8	35.0	19.0
85°	9.3	11.9	25.3	37.2	27.9	12.3	16.0	13.0	11.5	11.2	7.4
87.5°	1.9	1.9	12.6	14.9	11.2	6.3	5.6	4.1	5.2	5.2	4.1
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°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5
2.5°	403.1	386.3	362.2	339.5	316.4	300.1	288.6	277.0	272.6	270.7	265.9
5°	420.9	388.9	341.0	302.3	274.0	256.2	245.4	236.1	230.2	228.3	225.7
7.5°	446.6	400.5	331.7	287.1	258.8	239.5	222.0	201.9	185.9	179.6	177.0
10°	474.5	418.0	333.2	284.1	246.5	204.1	165.1	132.7	118.6	113.4	109.7
12.5°	515.4	437.3	339.5	280.7	209.7	145.8	105.6	92.2	88.9	88.1	87.4
15°	556.3	464.4	349.9	258.4	156.5	99.3	87.8	82.9	81.1	79.2	79.2
17.5°	597.6	490.5	354.0	214.9	108.2	85.9	79.9	75.9	72.9	71.4	70.3
20°	644.0	518.0	342.1	161.8	86.6	78.5	71.8	66.9	64.3	62.8	61.7
22.5°	694.2	545.1	316.1	112.7	78.8	70.7	64.3	59.5	56.9	55.4	55.0
25°	741.5	568.6	274.4	84.8	71.0	63.2	57.3	53.2	51.3	49.8	49.5
27.5°	790.2	588.6	220.1	74.7	64.7	57.3	51.3	48.0	46.1	45.0	44.6
30°	837.8	602.4	164.0	68.4	59.1	51.7	46.5	43.9	42.0	40.9	40.5
32.5°	886.8	610.2	110.8	62.8	53.5	46.9	42.4	39.8	38.7	37.6	37.6
35°	934.1	609.1	79.9	57.6	49.1	42.4	38.3	36.4	36.1	35.0	35.0
37.5°	985.8	601.3	68.0	52.8	44.2	38.3	35.0	33.8	33.5	32.7	32.4
40°	1044.5	583.8	62.1	49.1	40.2	35.0	32.0	31.2	30.9	30.1	30.1
42.5°	1108.8	561.1	58.8	45.0	36.8	31.6	29.4	28.3	27.9	27.1	27.1
45°	1183.6	539.5	56.5	40.9	33.8	29.0	26.8	25.7	25.3	24.5	24.5
47.5°	1285.5	527.3	52.8	37.2	30.5	26.4	24.2	23.4	22.7	21.9	21.9
50°	1425.7	512.8	48.0	33.5	27.9	23.8	22.3	21.2	20.8	20.1	20.1
52.5°	1540.9	481.9	43.1	29.7	24.9	21.9	20.5	19.7	19.0	18.6	18.6
55°	1581.5	445.8	38.3	26.8	22.7	20.5	19.0	18.2	17.8	17.5	17.5
57.5°	1646.2	434.3	33.8	23.8	20.5	19.0	17.5	17.1	16.7	16.4	16.0
60°	1756.6	441.0	29.7	21.2	18.6	17.1	16.0	15.6	14.9	14.1	14.1
62.5°	1863.7	432.8	25.3	18.6	16.0	15.2	14.1	13.4	11.9	10.8	10.0
65°	1889.7	378.2	21.9	15.6	13.4	12.6	11.5	10.0	7.8	6.3	6.3
67.5°	1763.7	287.4	19.0	13.4	11.2	10.4	8.2	6.7	4.8	3.7	3.7
70°	1455.4	182.2	15.6	10.4	9.3	7.1	5.2	4.8	3.3	3.0	2.6
72.5°	1050.1	99.7	13.0	8.6	6.7	4.5	3.7	3.0	2.2	1.5	1.5
75°	531.7	46.9	9.7	6.7	4.5	3.0	2.2	1.5	1.5	1.1	1.1
77.5°	150.6	21.6	6.3	4.5	3.0	1.9	1.5	1.1	1.1	0.7	0.7
80°	29.7	10.8	4.1	3.0	2.2	1.5	1.1	0.7	0.7	0.4	0.4
82.5°	10.8	5.6	3.0	2.2	1.9	1.5	0.7	0.4	0.4	0.0	0.0
85°	5.6	3.0	2.2	1.9	1.5	1.1	0.7	0.4	0.0	0.0	0.0
87.5°	3.0	2.2	1.9	1.9	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)