

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: P674539

Luminaire Tested: **CCP-SA-1D-730-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674539
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-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

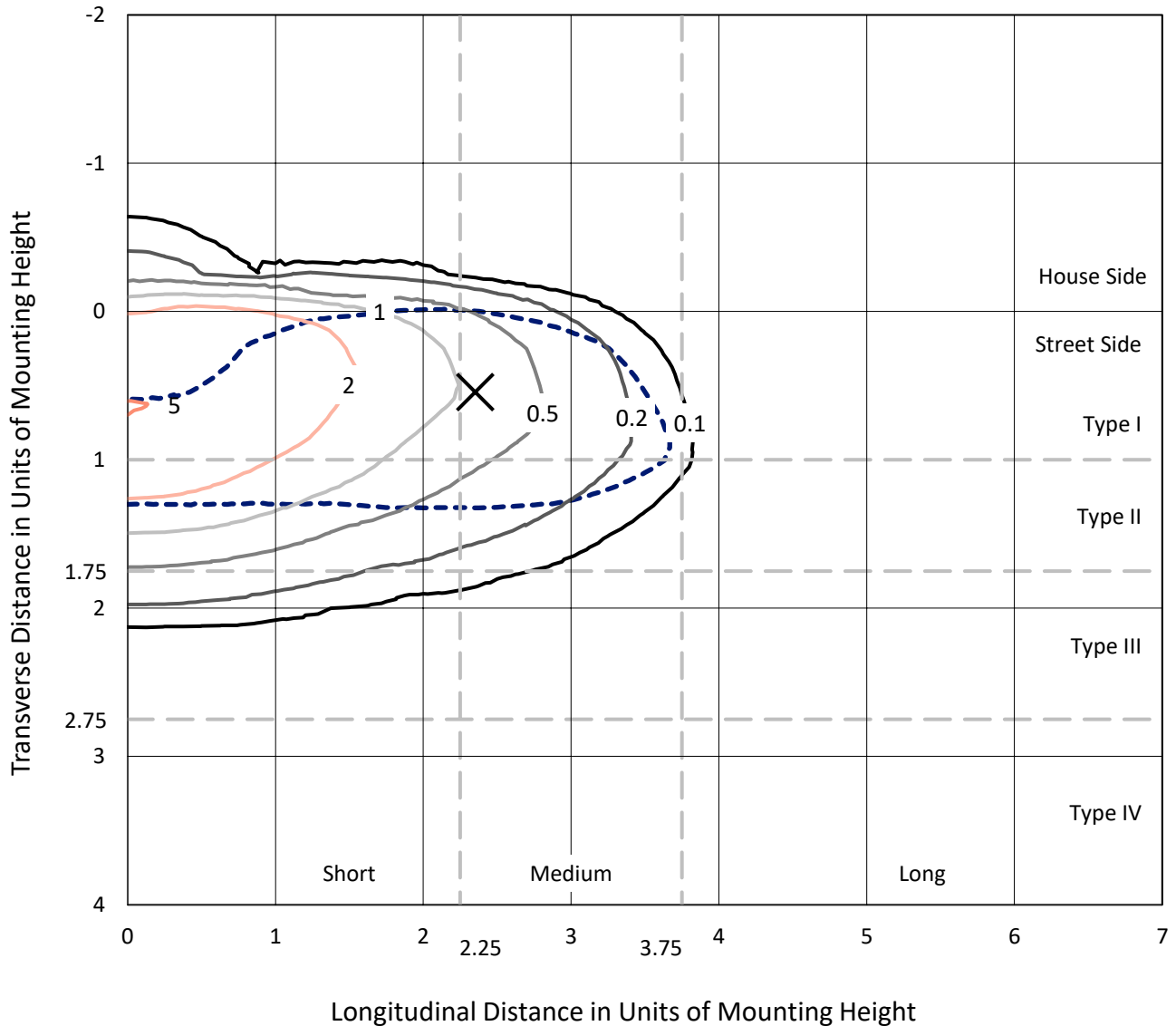
Lumens per Lamp: N/A
Luminaire Lumens: 4111.9 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

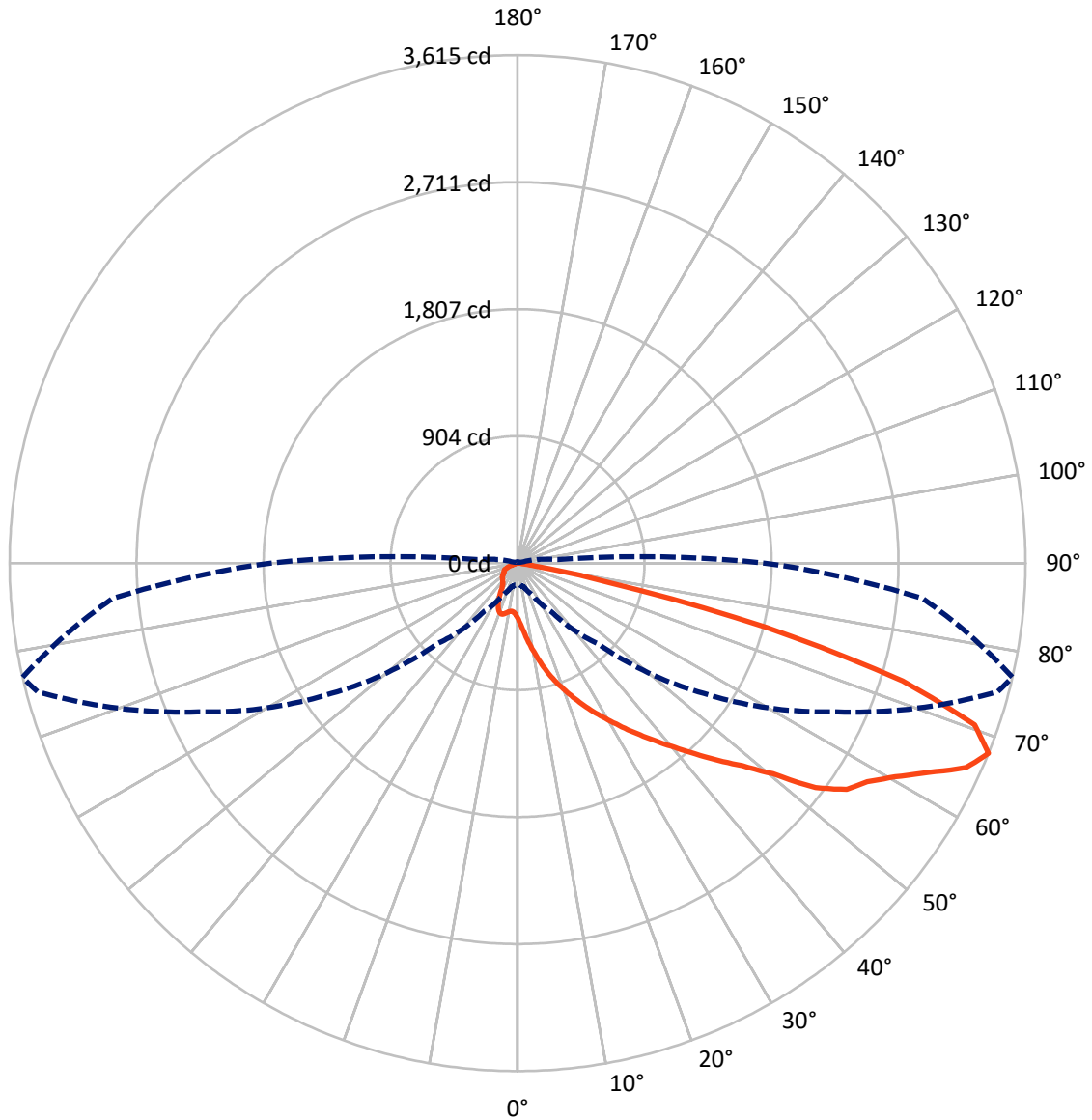
× Max cd
 - - - 1/2 Max cd



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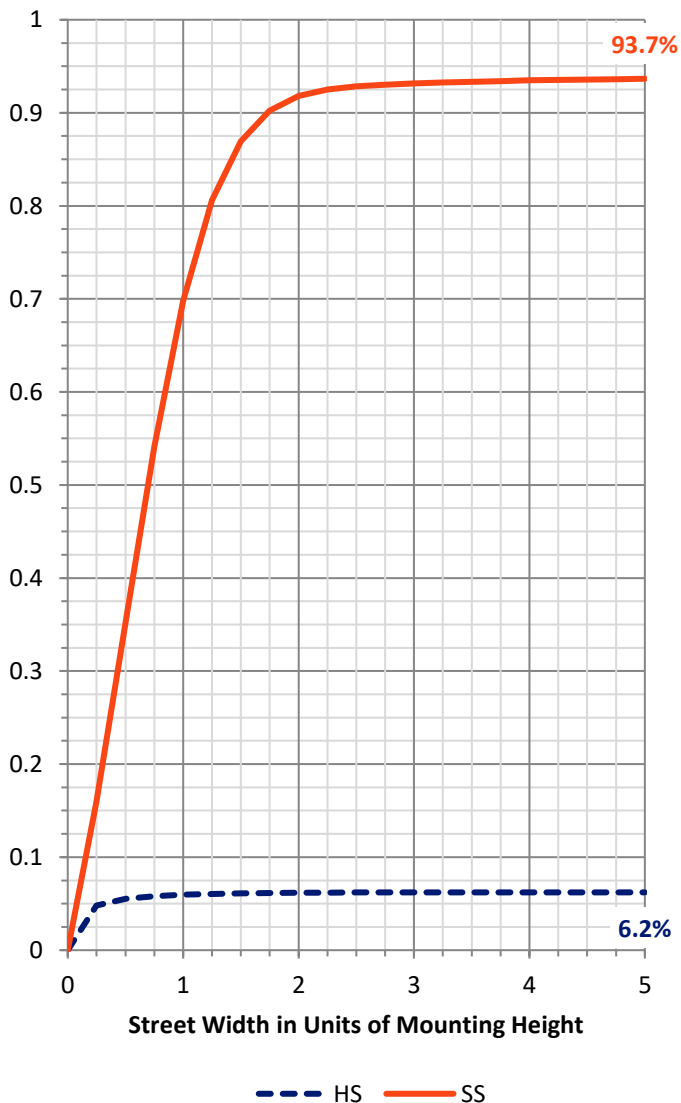
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	257.0	0.0	257.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3855.0	0.0	3855.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	4111.9	0.0	4111.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.1
10°-20°	171.2	4.2
20°-30°	334.4	8.1
30°-40°	584.7	14.2
40°-50°	852.7	20.7
50°-60°	997.1	24.2
60°-70°	808.2	19.7
70°-80°	303.6	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°	4111.9	100.0
0°-180°	4111.9	100.0



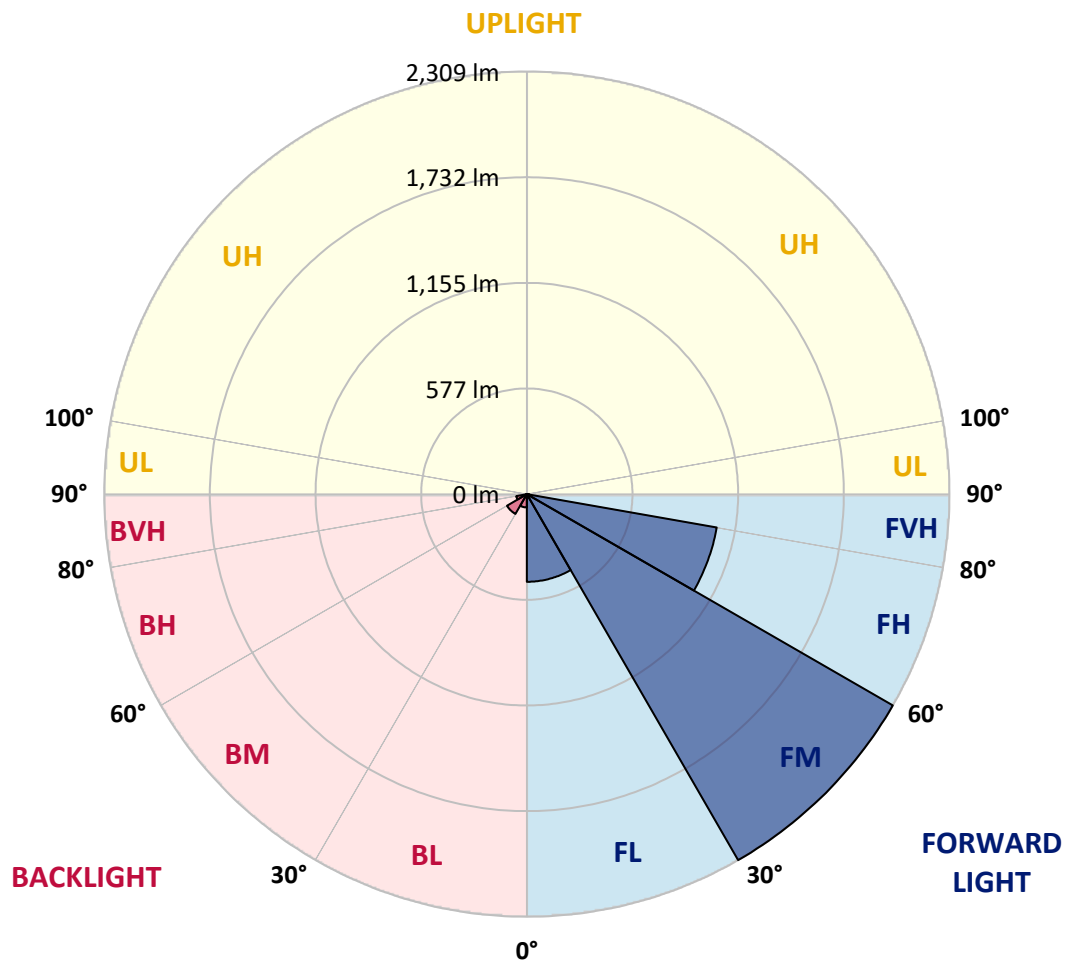
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.0	11.6			
FM (30°-60°)	2309.4	56.2			
FH (60°-80°)	1053.6	25.6			G1/1800
FVH (80°-90°)	13.0	0.3			G1/100
BL (0°-30°)	72.9	1.8	B0/110		
BM (30°-60°)	125.0	3.0	B0/220		
BH (60°-80°)	58.3	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°	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8
2.5°	591.3	569.8	573.9	565.0	553.5	526.7	498.5	470.3	445.1	439.5	414.3
5°	757.3	750.6	743.5	737.6	713.4	680.0	629.2	564.6	506.3	496.3	444.0
7.5°	886.1	876.0	882.3	864.2	838.9	806.6	742.0	673.0	583.2	568.3	487.0
10°	981.1	975.5	978.5	970.0	957.7	925.4	861.6	775.1	671.1	642.9	535.3
12.5°	1052.4	1053.5	1066.5	1067.2	1057.2	1030.8	963.3	873.1	750.9	725.7	588.7
15°	1104.3	1105.4	1121.4	1138.5	1150.0	1136.2	1075.0	974.0	844.9	810.3	644.8
17.5°	1112.9	1113.6	1141.8	1176.3	1212.0	1223.9	1176.7	1074.3	930.6	891.3	709.0
20°	1118.4	1124.7	1150.0	1189.7	1246.1	1282.9	1257.3	1170.4	1013.8	968.1	772.1
22.5°	1186.0	1186.0	1200.8	1229.0	1274.0	1331.5	1326.3	1258.7	1094.7	1049.4	834.8
25°	1329.3	1329.3	1314.8	1307.4	1331.5	1376.8	1389.8	1353.0	1187.1	1133.7	900.9
27.5°	1519.0	1519.0	1496.3	1441.7	1421.0	1439.9	1453.6	1435.1	1272.5	1219.8	970.7
30°	1715.7	1722.4	1683.0	1613.6	1540.9	1526.4	1513.0	1508.9	1363.4	1304.0	1041.6
32.5°	1913.2	1912.4	1863.4	1776.9	1681.9	1630.7	1587.3	1582.4	1459.9	1401.7	1108.8
35°	2070.9	2071.3	2019.7	1931.0	1821.1	1755.8	1686.0	1663.4	1565.7	1500.8	1189.0
37.5°	2207.5	2199.7	2144.1	2059.8	1957.3	1889.8	1802.9	1743.9	1675.2	1609.2	1269.1
40°	2285.9	2275.5	2221.3	2141.1	2063.5	2011.9	1935.4	1841.2	1795.5	1724.2	1360.5
42.5°	2297.4	2288.5	2252.5	2204.2	2140.7	2095.4	2075.0	1951.0	1921.7	1857.1	1469.6
45°	2265.1	2250.6	2238.7	2213.5	2195.7	2173.8	2201.6	2068.0	2066.5	2002.3	1577.6
47.5°	2184.9	2165.2	2168.2	2196.0	2216.1	2235.7	2322.6	2221.3	2212.4	2152.2	1719.4
50°	2047.9	2038.3	2070.9	2125.9	2205.3	2284.0	2443.3	2377.9	2413.2	2356.8	1915.0
52.5°	1769.5	1781.4	1879.0	2011.2	2148.5	2306.6	2556.5	2611.8	2702.0	2655.6	2111.8
55°	1435.4	1431.0	1561.3	1795.9	2015.3	2292.2	2605.8	2749.5	2891.3	2842.7	2221.3
57.5°	1156.3	1164.1	1252.1	1484.1	1789.2	2180.4	2617.3	2821.5	2967.4	2935.1	2322.6
60°	867.9	875.3	955.5	1157.4	1488.5	1947.3	2522.3	2846.7	3110.3	3085.8	2484.5
62.5°	552.3	562.0	642.6	838.9	1137.7	1585.0	2308.9	2820.4	3259.5	3279.9	2705.3
65°	271.7	280.3	339.6	490.0	760.6	1185.2	2011.2	2719.8	3449.6	3507.9	2882.4
67.5°	150.3	154.4	174.8	249.4	424.3	812.9	1616.2	2504.9	3536.8	3614.8	2894.3
70°	116.9	118.0	125.8	145.5	206.8	477.0	1149.6	2147.0	3356.0	3450.3	2653.4
72.5°	98.4	99.9	103.6	110.2	129.2	248.3	722.4	1659.3	2823.7	2866.4	2052.7
75°	72.0	74.2	84.6	90.6	102.1	150.7	318.5	997.0	1866.0	1824.1	1148.5
77.5°	60.5	62.4	65.0	73.5	84.3	102.8	111.7	418.0	759.5	660.4	301.4
80°	41.2	43.4	50.5	54.9	71.3	67.9	46.4	112.1	152.6	124.4	57.9
82.5°	29.3	31.2	34.9	44.9	51.6	36.0	25.2	34.2	36.7	34.9	18.9
85°	9.3	11.9	25.2	37.1	27.8	12.2	16.0	13.0	11.5	11.1	7.4
87.5°	1.9	1.9	12.6	14.8	11.1	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°	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8
2.5°	402.4	385.7	361.6	338.9	315.9	299.6	288.1	276.5	272.1	270.2	265.4
5°	420.2	388.3	340.4	301.8	273.6	255.8	245.0	235.7	229.8	227.9	225.3
7.5°	445.8	399.8	331.1	286.6	258.4	239.1	221.6	201.6	185.6	179.3	176.7
10°	473.7	417.2	332.6	283.6	246.1	203.8	164.8	132.5	118.4	113.2	109.5
12.5°	514.5	436.5	338.9	280.3	209.4	145.5	105.4	92.1	88.7	88.0	87.2
15°	555.3	463.6	349.3	258.0	156.3	99.1	87.6	82.8	80.9	79.1	79.1
17.5°	596.5	489.6	353.4	214.6	108.0	85.7	79.8	75.7	72.8	71.3	70.2
20°	642.9	517.1	341.5	161.5	86.5	78.3	71.6	66.8	64.2	62.7	61.6
22.5°	693.0	544.2	315.5	112.5	78.7	70.5	64.2	59.4	56.8	55.3	54.9
25°	740.2	567.6	273.9	84.6	70.9	63.1	57.2	53.1	51.2	49.7	49.4
27.5°	788.8	587.6	219.8	74.6	64.6	57.2	51.2	47.9	46.0	44.9	44.5
30°	836.3	601.3	163.7	68.3	59.0	51.6	46.4	43.8	41.9	40.8	40.5
32.5°	885.3	609.1	110.6	62.7	53.5	46.8	42.3	39.7	38.6	37.5	37.5
35°	932.5	608.0	79.8	57.5	49.0	42.3	38.2	36.4	36.0	34.9	34.9
37.5°	984.1	600.2	67.9	52.7	44.2	38.2	34.9	33.8	33.4	32.7	32.3
40°	1042.7	582.8	62.0	49.0	40.1	34.9	31.9	31.2	30.8	30.1	30.1
42.5°	1106.9	560.1	58.6	44.9	36.7	31.6	29.3	28.2	27.8	27.1	27.1
45°	1181.5	538.6	56.4	40.8	33.8	29.0	26.7	25.6	25.2	24.5	24.5
47.5°	1283.2	526.4	52.7	37.1	30.4	26.4	24.1	23.4	22.6	21.9	21.9
50°	1423.2	511.9	47.9	33.4	27.8	23.8	22.3	21.2	20.8	20.0	20.0
52.5°	1538.3	481.1	43.1	29.7	24.9	21.9	20.4	19.7	18.9	18.6	18.6
55°	1578.7	445.1	38.2	26.7	22.6	20.4	18.9	18.2	17.8	17.4	17.4
57.5°	1643.3	433.6	33.8	23.8	20.4	18.9	17.4	17.1	16.7	16.3	16.0
60°	1753.6	440.2	29.7	21.2	18.6	17.1	16.0	15.6	14.8	14.1	14.1
62.5°	1860.5	432.1	25.2	18.6	16.0	15.2	14.1	13.4	11.9	10.8	10.0
65°	1886.4	377.5	21.9	15.6	13.4	12.6	11.5	10.0	7.8	6.3	6.3
67.5°	1760.6	286.9	18.9	13.4	11.1	10.4	8.2	6.7	4.8	3.7	3.7
70°	1452.9	181.9	15.6	10.4	9.3	7.1	5.2	4.8	3.3	3.0	2.6
72.5°	1048.3	99.5	13.0	8.5	6.7	4.5	3.7	3.0	2.2	1.5	1.5
75°	530.8	46.8	9.7	6.7	4.5	3.0	2.2	1.5	1.5	1.1	1.1
77.5°	150.3	21.5	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)