

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: P674542

Luminaire Tested: **CCP-SA-2A-730-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674542
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-730-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

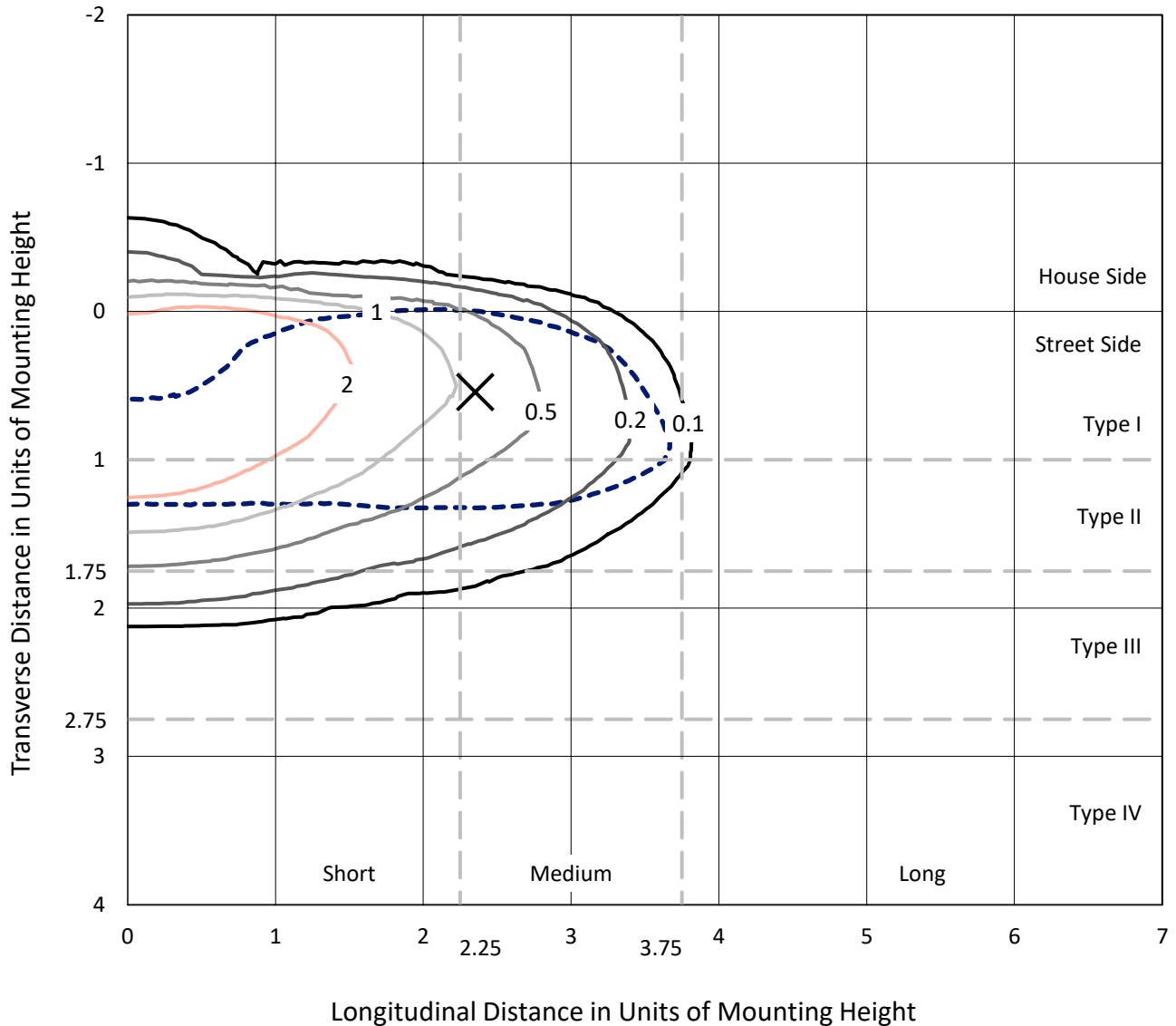
Lumens per Lamp: N/A
Luminaire Lumens: 4034.3 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

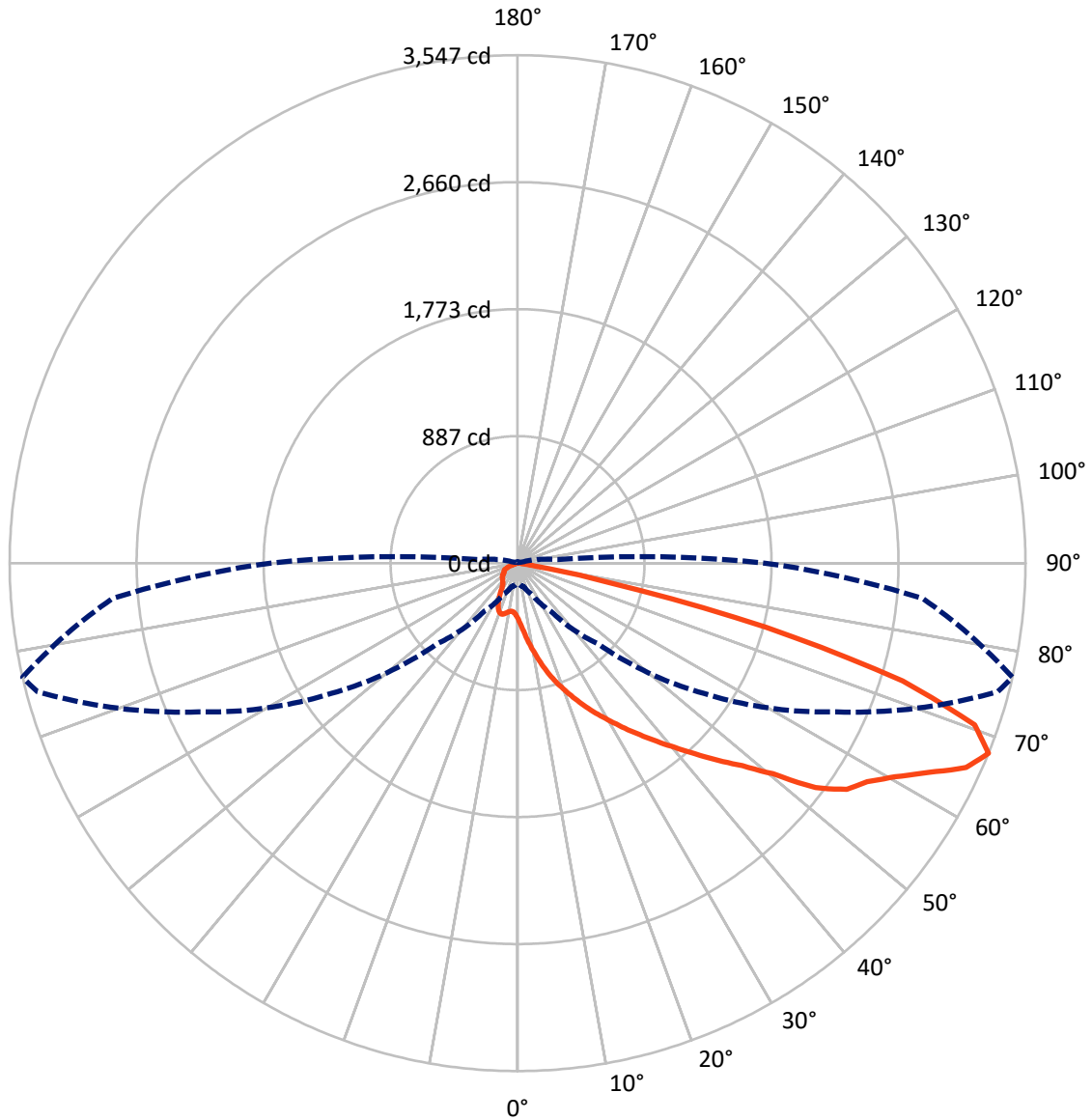
× Max cd
 - - - 1/2 Max cd



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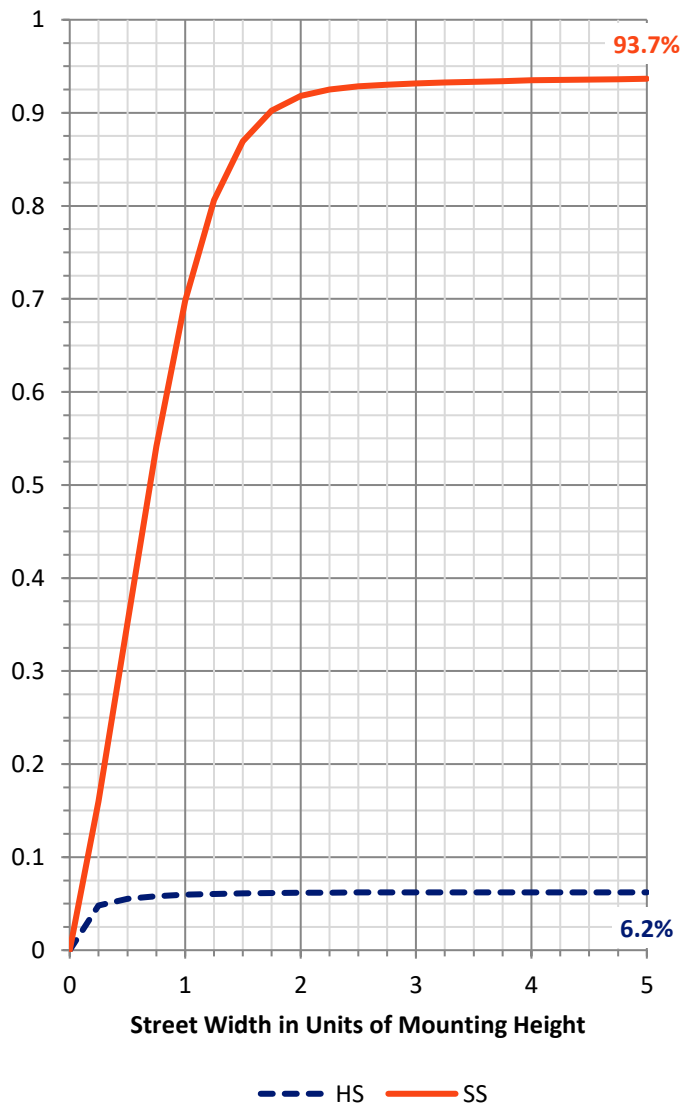
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	252.1	0.0	252.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3782.2	0.0	3782.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	4034.3	0.0	4034.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.1
10°-20°	167.9	4.2
20°-30°	328.1	8.1
30°-40°	573.6	14.2
40°-50°	836.6	20.7
50°-60°	978.2	24.2
60°-70°	793.0	19.7
70°-80°	297.9	7.4
80°-90°	13.5	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°	4034.3	100.0
0°-180°	4034.3	100.0



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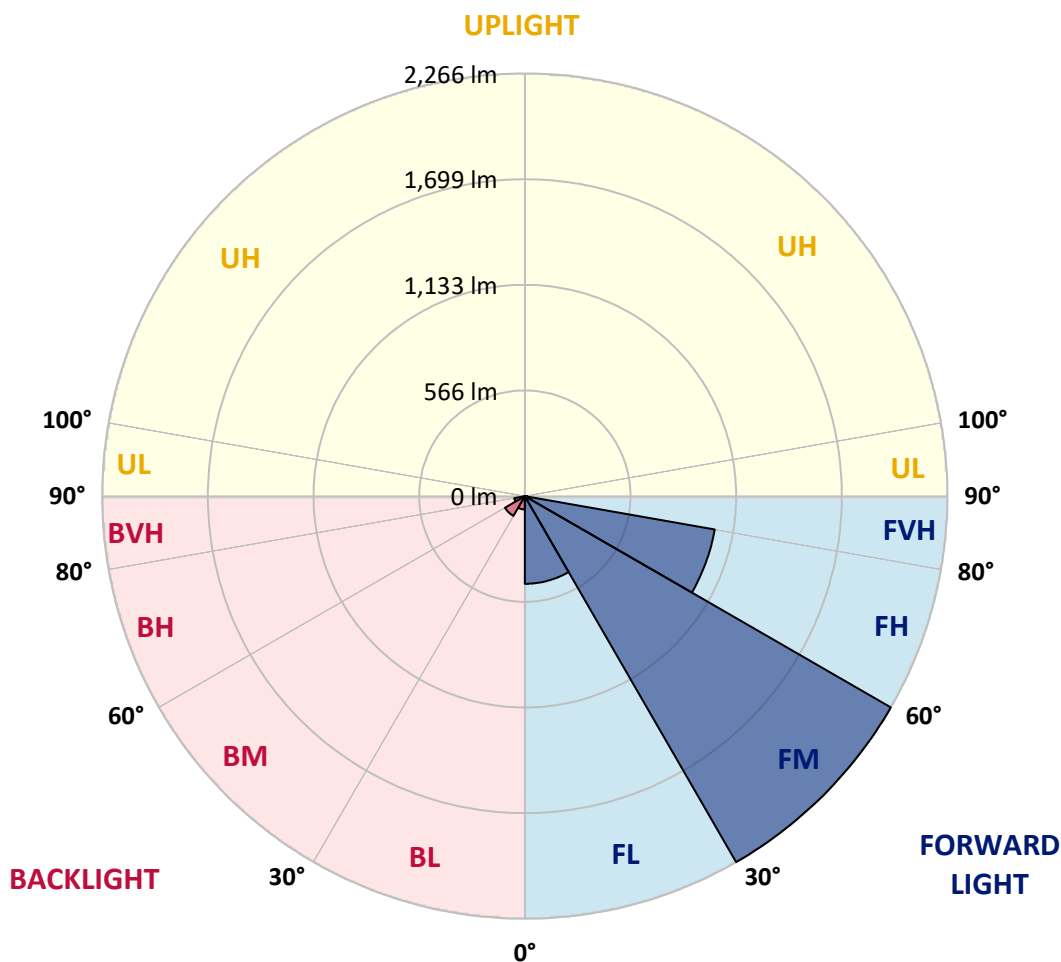
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.0	11.6			
FM (30°-60°)	2265.8	56.2			
FH (60°-80°)	1033.7	25.6			G1/1800
FVH (80°-90°)	12.8	0.3			G1/100
BL (0°-30°)	71.5	1.8	B0/110		
BM (30°-60°)	122.7	3.0	B0/220		
BH (60°-80°)	57.2	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°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4
2.5°	580.2	559.0	563.0	554.3	543.0	516.8	489.1	461.4	436.7	431.2	406.4
5°	743.0	736.4	729.5	723.7	700.0	667.2	617.3	553.9	496.8	486.9	435.6
7.5°	869.3	859.5	865.7	847.8	823.1	791.4	728.0	660.3	572.2	557.6	477.8
10°	962.6	957.1	960.0	951.6	939.6	907.9	845.3	760.4	658.5	630.8	525.2
12.5°	1032.5	1033.6	1046.3	1047.1	1037.2	1011.4	945.1	856.6	736.8	712.0	577.6
15°	1083.5	1084.6	1100.2	1117.0	1128.3	1114.8	1054.7	955.6	828.9	795.0	632.6
17.5°	1091.9	1092.6	1120.3	1154.1	1189.1	1200.8	1154.5	1054.0	913.0	874.4	695.6
20°	1097.3	1103.5	1128.3	1167.2	1222.6	1258.7	1233.5	1148.3	994.6	949.8	757.5
22.5°	1163.6	1163.6	1178.2	1205.9	1249.9	1306.4	1301.3	1235.0	1074.0	1029.6	819.1
25°	1304.2	1304.2	1290.0	1282.7	1306.4	1350.8	1363.5	1327.5	1164.7	1112.3	883.9
27.5°	1490.3	1490.3	1468.1	1414.5	1394.1	1412.7	1426.2	1408.0	1248.5	1196.7	952.4
30°	1683.3	1689.9	1651.3	1583.2	1511.8	1497.6	1484.5	1480.5	1337.7	1279.4	1021.9
32.5°	1877.1	1876.3	1828.3	1743.4	1650.2	1599.9	1557.3	1552.6	1432.4	1375.2	1087.9
35°	2031.8	2032.2	1981.6	1894.5	1786.7	1722.6	1654.2	1632.0	1536.2	1472.4	1166.5
37.5°	2165.9	2158.2	2103.6	2020.9	1920.4	1854.1	1768.9	1711.0	1643.6	1578.8	1245.2
40°	2242.7	2232.5	2179.3	2100.7	2024.6	1973.9	1898.9	1806.4	1761.6	1691.7	1334.8
42.5°	2254.0	2245.3	2209.9	2162.6	2100.3	2055.9	2035.9	1914.2	1885.4	1822.1	1441.8
45°	2222.3	2208.1	2196.5	2171.7	2154.2	2132.7	2160.0	2028.9	2027.5	1964.5	1547.8
47.5°	2143.7	2124.4	2127.3	2154.6	2174.2	2193.5	2278.8	2179.3	2170.6	2111.6	1687.0
50°	2009.3	1999.8	2031.8	2085.7	2163.7	2240.9	2397.1	2333.0	2367.6	2312.3	1878.9
52.5°	1736.1	1747.8	1843.6	1973.2	2108.0	2263.1	2508.2	2562.5	2651.0	2605.5	2071.9
55°	1408.3	1404.0	1531.8	1762.0	1977.2	2248.9	2556.7	2697.6	2836.7	2789.0	2179.3
57.5°	1134.5	1142.1	1228.4	1456.1	1755.4	2139.3	2567.9	2768.2	2911.4	2879.7	2278.8
60°	851.5	858.8	937.4	1135.6	1460.4	1910.6	2474.7	2793.0	3051.6	3027.6	2437.6
62.5°	541.9	551.4	630.4	823.1	1116.3	1555.1	2265.3	2767.2	3198.0	3218.0	2654.3
65°	266.6	275.0	333.2	480.7	746.2	1162.9	1973.2	2668.5	3384.5	3441.6	2828.0
67.5°	147.5	151.5	171.5	244.7	416.3	797.6	1585.7	2457.6	3470.1	3546.5	2839.6
70°	114.7	115.8	123.5	142.8	202.9	468.0	1127.9	2106.5	3292.7	3385.2	2603.3
72.5°	96.5	98.0	101.6	108.2	126.7	243.6	708.7	1628.0	2770.4	2812.3	2014.0
75°	70.7	72.8	83.0	88.9	100.2	147.9	312.5	978.2	1830.8	1789.7	1126.8
77.5°	59.4	61.2	63.7	72.1	82.7	100.9	109.6	410.1	745.1	647.9	295.7
80°	40.4	42.6	49.5	53.9	69.9	66.6	45.5	110.0	149.7	122.0	56.8
82.5°	28.8	30.6	34.2	44.1	50.6	35.3	24.8	33.5	36.1	34.2	18.6
85°	9.1	11.7	24.8	36.4	27.3	12.0	15.7	12.7	11.3	10.9	7.3
87.5°	1.8	1.8	12.4	14.6	10.9	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°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4
2.5°	394.8	378.4	354.7	332.5	309.9	293.9	282.6	271.3	267.0	265.1	260.4
5°	412.3	380.9	334.0	296.1	268.4	250.9	240.4	231.3	225.4	223.6	221.1
7.5°	437.4	392.2	324.9	281.2	253.5	234.5	217.4	197.8	182.1	175.9	173.4
10°	464.7	409.4	326.3	278.2	241.5	199.9	161.7	130.0	116.2	111.1	107.4
12.5°	504.8	428.3	332.5	275.0	205.4	142.8	103.4	90.3	87.0	86.3	85.6
15°	544.8	454.9	342.7	253.1	153.3	97.2	86.0	81.2	79.4	77.6	77.6
17.5°	585.3	480.4	346.7	210.5	106.0	84.1	78.3	74.3	71.4	69.9	68.8
20°	630.8	507.3	335.1	158.4	84.9	76.8	70.3	65.6	63.0	61.5	60.5
22.5°	680.0	533.9	309.6	110.4	77.2	69.2	63.0	58.3	55.7	54.3	53.9
25°	726.2	556.9	268.8	83.0	69.6	61.9	56.1	52.1	50.3	48.8	48.4
27.5°	773.9	576.5	215.6	73.2	63.4	56.1	50.3	47.0	45.2	44.1	43.7
30°	820.5	590.0	160.6	67.0	57.9	50.6	45.5	43.0	41.2	40.1	39.7
32.5°	868.6	597.6	108.5	61.5	52.4	45.9	41.5	39.0	37.9	36.8	36.8
35°	914.9	596.6	78.3	56.5	48.1	41.5	37.5	35.7	35.3	34.2	34.2
37.5°	965.5	588.9	66.6	51.7	43.3	37.5	34.2	33.1	32.8	32.0	31.7
40°	1023.0	571.8	60.8	48.1	39.3	34.2	31.3	30.6	30.2	29.5	29.5
42.5°	1086.0	549.6	57.5	44.1	36.1	31.0	28.8	27.7	27.3	26.6	26.6
45°	1159.2	528.4	55.4	40.1	33.1	28.4	26.2	25.1	24.8	24.0	24.0
47.5°	1259.0	516.4	51.7	36.4	29.9	25.9	23.7	22.9	22.2	21.5	21.5
50°	1396.3	502.2	47.0	32.8	27.3	23.3	21.9	20.8	20.4	19.7	19.7
52.5°	1509.2	472.0	42.2	29.1	24.4	21.5	20.0	19.3	18.6	18.2	18.2
55°	1548.9	436.7	37.5	26.2	22.2	20.0	18.6	17.8	17.5	17.1	17.1
57.5°	1612.3	425.4	33.1	23.3	20.0	18.6	17.1	16.8	16.4	16.0	15.7
60°	1720.5	431.9	29.1	20.8	18.2	16.8	15.7	15.3	14.6	13.8	13.8
62.5°	1825.3	423.9	24.8	18.2	15.7	14.9	13.8	13.1	11.7	10.6	9.8
65°	1850.8	370.4	21.5	15.3	13.1	12.4	11.3	9.8	7.6	6.2	6.2
67.5°	1727.4	281.5	18.6	13.1	10.9	10.2	8.0	6.6	4.7	3.6	3.6
70°	1425.5	178.5	15.3	10.2	9.1	6.9	5.1	4.7	3.3	2.9	2.5
72.5°	1028.5	97.6	12.7	8.4	6.6	4.4	3.6	2.9	2.2	1.5	1.5
75°	520.8	45.9	9.5	6.6	4.4	2.9	2.2	1.5	1.5	1.1	1.1
77.5°	147.5	21.1	6.2	4.4	2.9	1.8	1.5	1.1	1.1	0.7	0.7
80°	29.1	10.6	4.0	2.9	2.2	1.5	1.1	0.7	0.7	0.4	0.4
82.5°	10.6	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)