

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: P674517

Luminaire Tested: **CCP-SA-1D-722-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674517
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-722-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3326.2 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

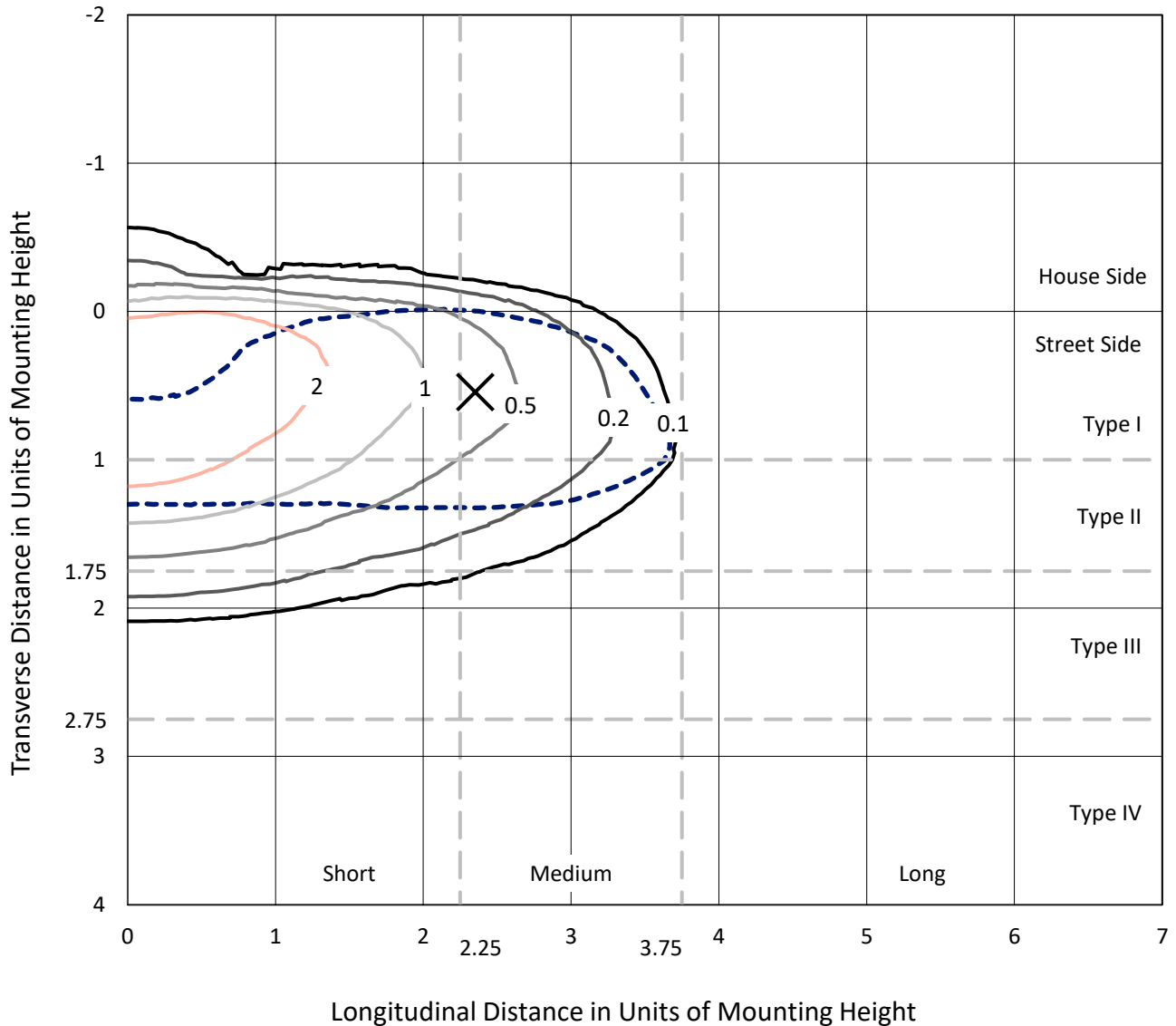
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

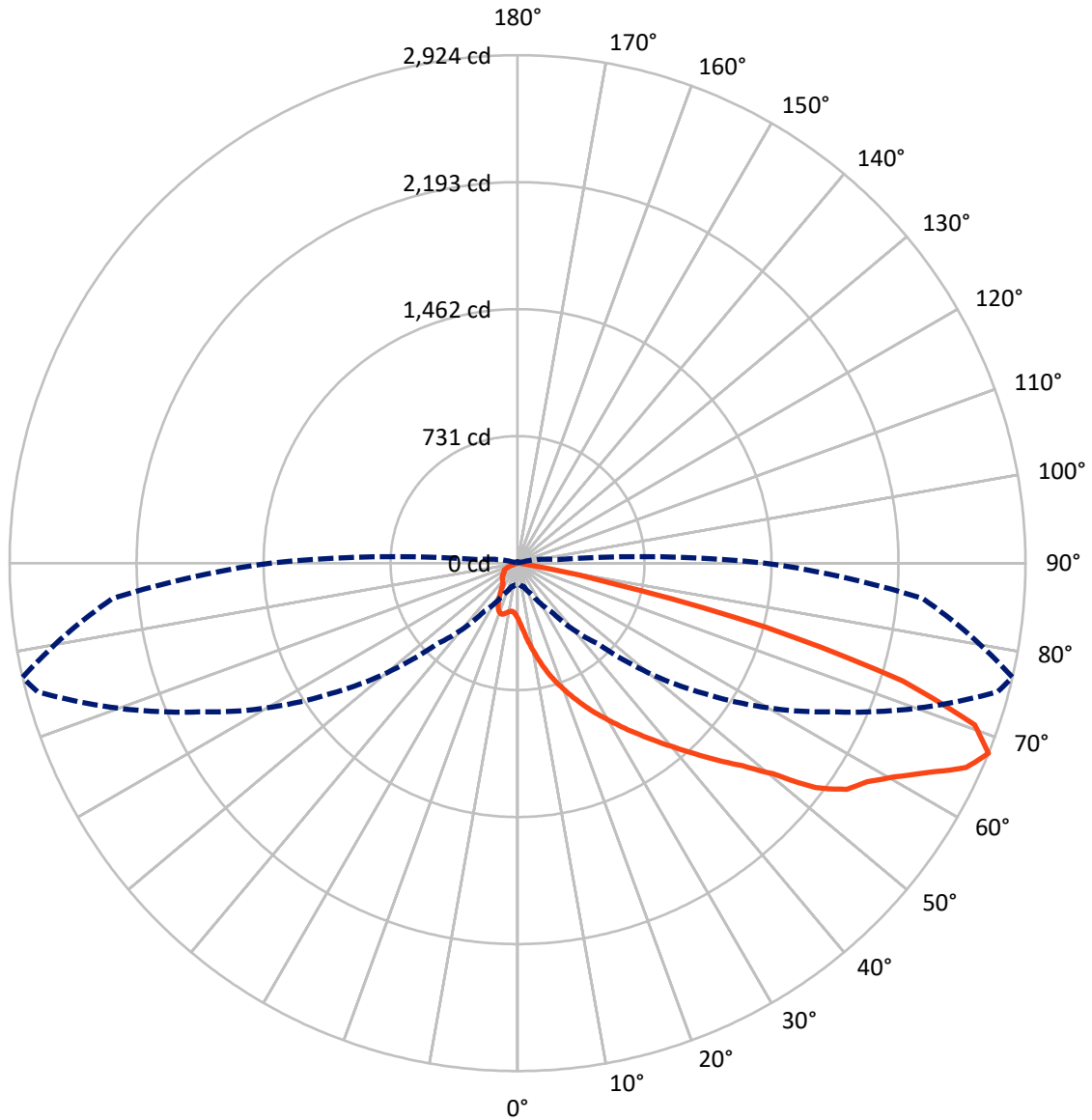
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 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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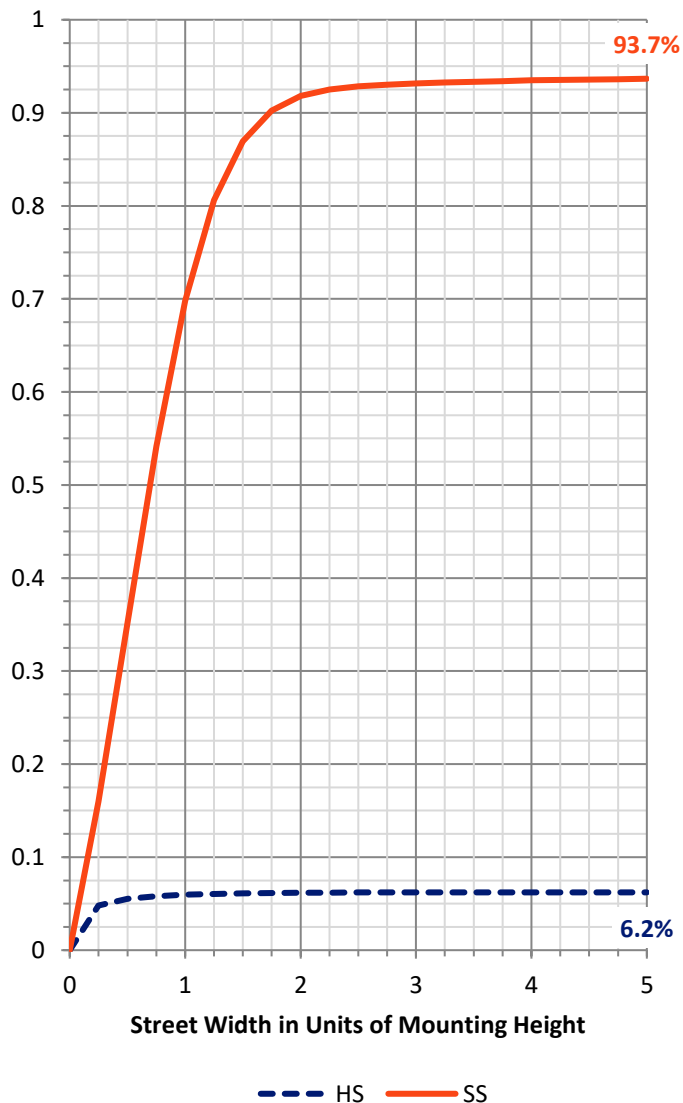
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	207.8	0.0	207.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3118.4	0.0	3118.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	3326.2	0.0	3326.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	1.1
10°-20°	138.5	4.2
20°-30°	270.5	8.1
30°-40°	472.9	14.2
40°-50°	689.7	20.7
50°-60°	806.5	24.2
60°-70°	653.8	19.7
70°-80°	245.6	7.4
80°-90°	11.2	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°	3326.2	100.0
0°-180°	3326.2	100.0

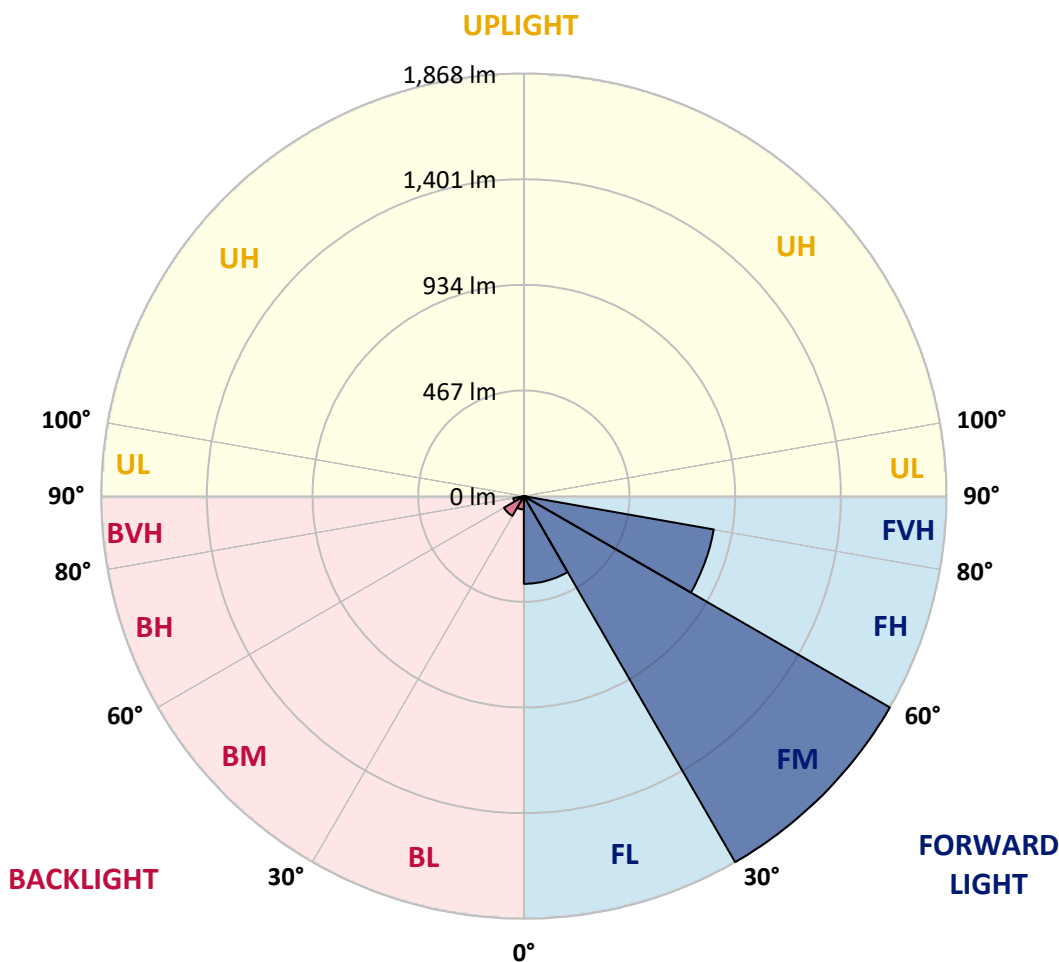


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.5	11.6			
FM (30°-60°)	1868.1	56.2			
FH (60°-80°)	852.3	25.6			G1/1800
FVH (80°-90°)	10.5	0.3			G1/100
BL (0°-30°)	58.9	1.8	B0/110		
BM (30°-60°)	101.1	3.0	B0/220		
BH (60°-80°)	47.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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°	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6
2.5°	478.3	460.9	464.2	457.0	447.7	426.1	403.3	380.4	360.0	355.5	335.1
5°	612.6	607.1	601.4	596.6	577.1	550.1	509.0	456.7	409.6	401.5	359.1
7.5°	716.7	708.6	713.7	699.0	678.6	652.5	600.2	544.4	471.7	459.7	394.0
10°	793.6	789.1	791.5	784.6	774.7	748.6	696.9	627.0	542.9	520.1	433.0
12.5°	851.3	852.2	862.7	863.3	855.2	833.9	779.2	706.2	607.4	587.0	476.2
15°	893.3	894.2	907.1	920.9	930.2	919.1	869.6	787.9	683.4	655.5	521.6
17.5°	900.2	900.8	923.6	951.6	980.4	990.0	951.9	869.0	752.8	721.0	573.5
20°	904.7	909.8	930.2	962.4	1008.0	1037.7	1017.0	946.8	820.0	783.1	624.6
22.5°	959.4	959.4	971.4	994.2	1030.5	1077.1	1072.9	1018.2	885.5	848.9	675.3
25°	1075.3	1075.3	1063.6	1057.6	1077.1	1113.7	1124.2	1094.5	960.3	917.0	728.8
27.5°	1228.7	1228.7	1210.4	1166.3	1149.4	1164.8	1175.9	1160.8	1029.3	986.7	785.2
30°	1387.9	1393.3	1361.4	1305.3	1246.4	1234.7	1223.9	1220.6	1102.9	1054.9	842.6
32.5°	1547.6	1547.0	1507.4	1437.4	1360.5	1319.1	1284.0	1280.1	1181.0	1133.8	896.9
35°	1675.2	1675.5	1633.8	1562.0	1473.1	1420.3	1363.8	1345.5	1266.5	1214.0	961.8
37.5°	1785.7	1779.4	1734.4	1666.2	1583.3	1528.7	1458.4	1410.7	1355.1	1301.7	1026.6
40°	1849.1	1840.7	1796.8	1732.0	1669.2	1627.5	1565.6	1489.3	1452.4	1394.8	1100.5
42.5°	1858.4	1851.2	1822.0	1783.0	1731.7	1695.0	1678.5	1578.2	1554.5	1502.3	1188.8
45°	1832.3	1820.5	1810.9	1790.5	1776.1	1758.4	1780.9	1672.8	1671.6	1619.7	1276.2
47.5°	1767.4	1751.5	1753.9	1776.4	1792.6	1808.5	1878.8	1796.8	1789.6	1741.0	1390.9
50°	1656.6	1648.8	1675.2	1719.7	1783.9	1847.6	1976.4	1923.5	1952.1	1906.4	1549.1
52.5°	1431.4	1441.0	1520.0	1626.9	1738.0	1865.9	2068.0	2112.7	2185.7	2148.1	1708.2
55°	1161.2	1157.5	1262.9	1452.7	1630.2	1854.2	2107.9	2224.1	2338.8	2299.5	1796.8
57.5°	935.3	941.7	1012.8	1200.5	1447.3	1763.8	2117.2	2282.4	2400.4	2374.2	1878.8
60°	702.0	708.0	772.9	936.2	1204.1	1575.2	2040.3	2302.8	2516.0	2496.2	2009.7
62.5°	446.8	454.6	519.8	678.6	920.3	1282.2	1867.7	2281.5	2636.7	2653.2	2188.4
65°	219.8	226.7	274.7	396.4	615.3	958.8	1626.9	2200.1	2790.4	2837.6	2331.6
67.5°	121.6	124.9	141.4	201.8	343.2	657.6	1307.4	2026.2	2861.0	2924.0	2341.2
70°	94.6	95.5	101.8	117.7	167.3	385.8	929.9	1736.8	2714.8	2791.0	2146.3
72.5°	79.6	80.8	83.8	89.2	104.5	200.9	584.3	1342.2	2284.2	2318.7	1660.5
75°	58.3	60.1	68.5	73.3	82.6	121.9	257.6	806.5	1509.5	1475.5	929.0
77.5°	48.9	50.4	52.5	59.5	68.2	83.2	90.4	338.1	614.4	534.2	243.8
80°	33.3	35.1	40.8	44.4	57.7	54.9	37.5	90.7	123.4	100.6	46.8
82.5°	23.7	25.2	28.2	36.3	41.7	29.1	20.4	27.6	29.7	28.2	15.3
85°	7.5	9.6	20.4	30.0	22.5	9.9	12.9	10.5	9.3	9.0	6.0
87.5°	1.5	1.5	10.2	12.0	9.0	5.1	4.5	3.3	4.2	4.2	3.3
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°	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6	318.6
2.5°	325.5	312.0	292.5	274.1	255.5	242.3	233.0	223.7	220.1	218.6	214.7
5°	339.9	314.1	275.3	244.1	221.3	206.9	198.2	190.7	185.9	184.4	182.3
7.5°	360.6	323.4	267.8	231.8	209.0	193.4	179.3	163.0	150.1	145.0	142.9
10°	383.1	337.5	269.0	229.4	199.1	164.8	133.3	107.2	95.8	91.6	88.6
12.5°	416.2	353.1	274.1	226.7	169.4	117.7	85.3	74.5	71.8	71.2	70.6
15°	449.2	375.0	282.6	208.7	126.4	80.2	70.9	67.0	65.5	64.0	64.0
17.5°	482.5	396.1	285.9	173.6	87.4	69.4	64.6	61.3	58.9	57.7	56.8
20°	520.1	418.3	276.2	130.6	70.0	63.4	58.0	54.0	51.9	50.7	49.8
22.5°	560.6	440.2	255.2	91.0	63.7	57.1	51.9	48.0	45.9	44.7	44.4
25°	598.7	459.1	221.6	68.5	57.4	51.0	46.2	42.9	41.4	40.2	39.9
27.5°	638.1	475.3	177.8	60.4	52.2	46.2	41.4	38.7	37.2	36.3	36.0
30°	676.5	486.4	132.4	55.2	47.7	41.7	37.5	35.4	33.9	33.0	32.7
32.5°	716.1	492.7	89.5	50.7	43.2	37.8	34.2	32.1	31.2	30.3	30.3
35°	754.3	491.8	64.6	46.5	39.6	34.2	30.9	29.4	29.1	28.2	28.2
37.5°	796.0	485.5	54.9	42.6	35.7	30.9	28.2	27.3	27.0	26.4	26.1
40°	843.5	471.4	50.1	39.6	32.4	28.2	25.8	25.2	24.9	24.3	24.3
42.5°	895.4	453.1	47.4	36.3	29.7	25.5	23.7	22.8	22.5	21.9	21.9
45°	955.8	435.7	45.6	33.0	27.3	23.4	21.6	20.7	20.4	19.8	19.8
47.5°	1038.0	425.8	42.6	30.0	24.6	21.3	19.5	18.9	18.3	17.7	17.7
50°	1151.2	414.1	38.7	27.0	22.5	19.2	18.0	17.1	16.8	16.2	16.2
52.5°	1244.3	389.2	34.8	24.0	20.1	17.7	16.5	15.9	15.3	15.0	15.0
55°	1277.1	360.0	30.9	21.6	18.3	16.5	15.3	14.7	14.4	14.1	14.1
57.5°	1329.3	350.7	27.3	19.2	16.5	15.3	14.1	13.8	13.5	13.2	12.9
60°	1418.5	356.1	24.0	17.1	15.0	13.8	12.9	12.6	12.0	11.4	11.4
62.5°	1505.0	349.5	20.4	15.0	12.9	12.3	11.4	10.8	9.6	8.7	8.1
65°	1526.0	305.4	17.7	12.6	10.8	10.2	9.3	8.1	6.3	5.1	5.1
67.5°	1424.2	232.1	15.3	10.8	9.0	8.4	6.6	5.4	3.9	3.0	3.0
70°	1175.3	147.1	12.6	8.4	7.5	5.7	4.2	3.9	2.7	2.4	2.1
72.5°	848.0	80.5	10.5	6.9	5.4	3.6	3.0	2.4	1.8	1.2	1.2
75°	429.4	37.8	7.8	5.4	3.6	2.4	1.8	1.2	1.2	0.9	0.9
77.5°	121.6	17.4	5.1	3.6	2.4	1.5	1.2	0.9	0.9	0.6	0.6
80°	24.0	8.7	3.3	2.4	1.8	1.2	0.9	0.6	0.6	0.3	0.3
82.5°	8.7	4.5	2.4	1.8	1.5	1.2	0.6	0.3	0.3	0.0	0.0
85°	4.5	2.4	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0	0.0
87.5°	2.4	1.8	1.5	1.5	1.2	0.9	0.6	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)