

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: P674570

Luminaire Tested: **CCP-SA-1B-750-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674570
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-750-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

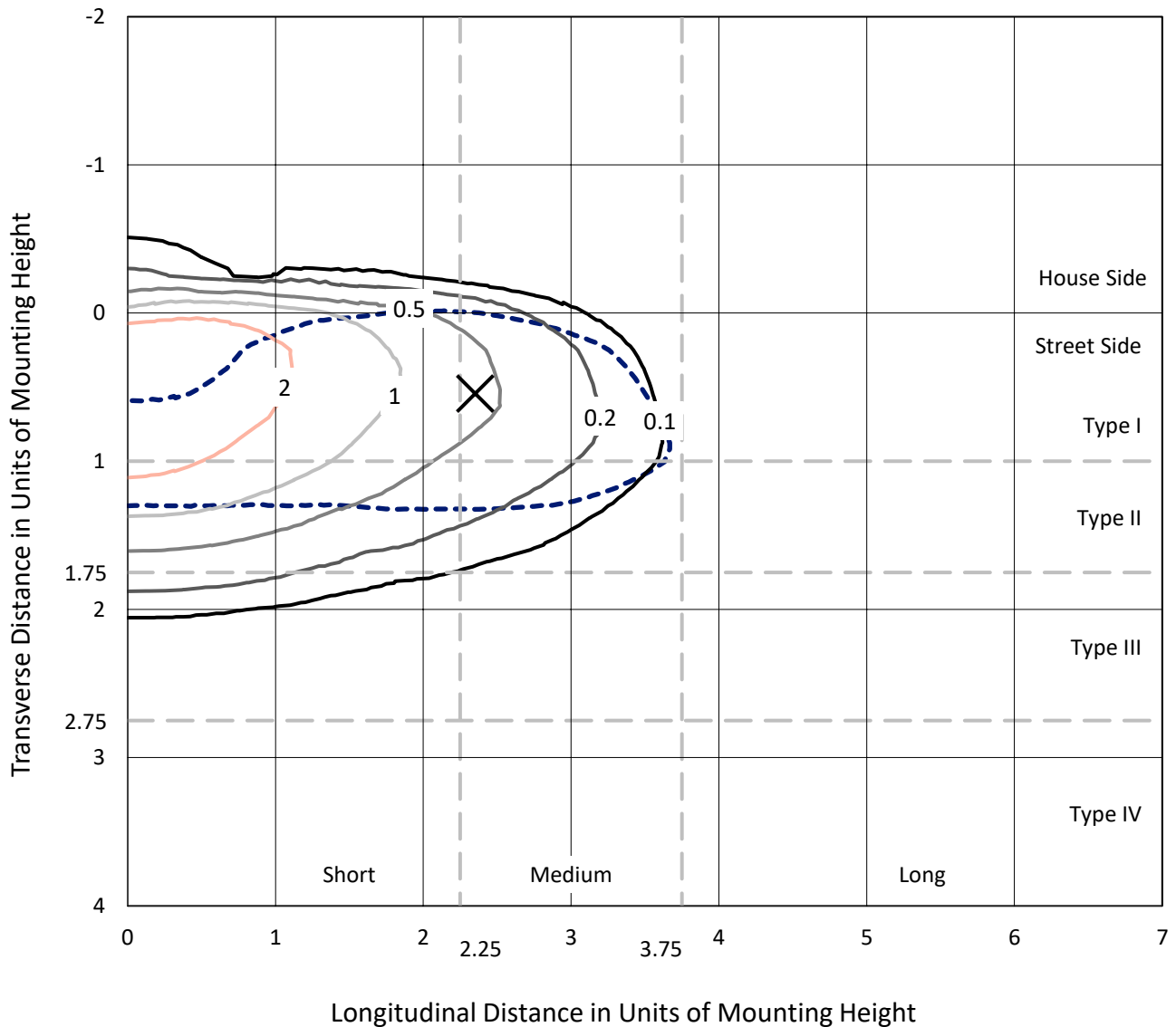
Lumens per Lamp: N/A
Luminaire Lumens: 2860.4 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
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

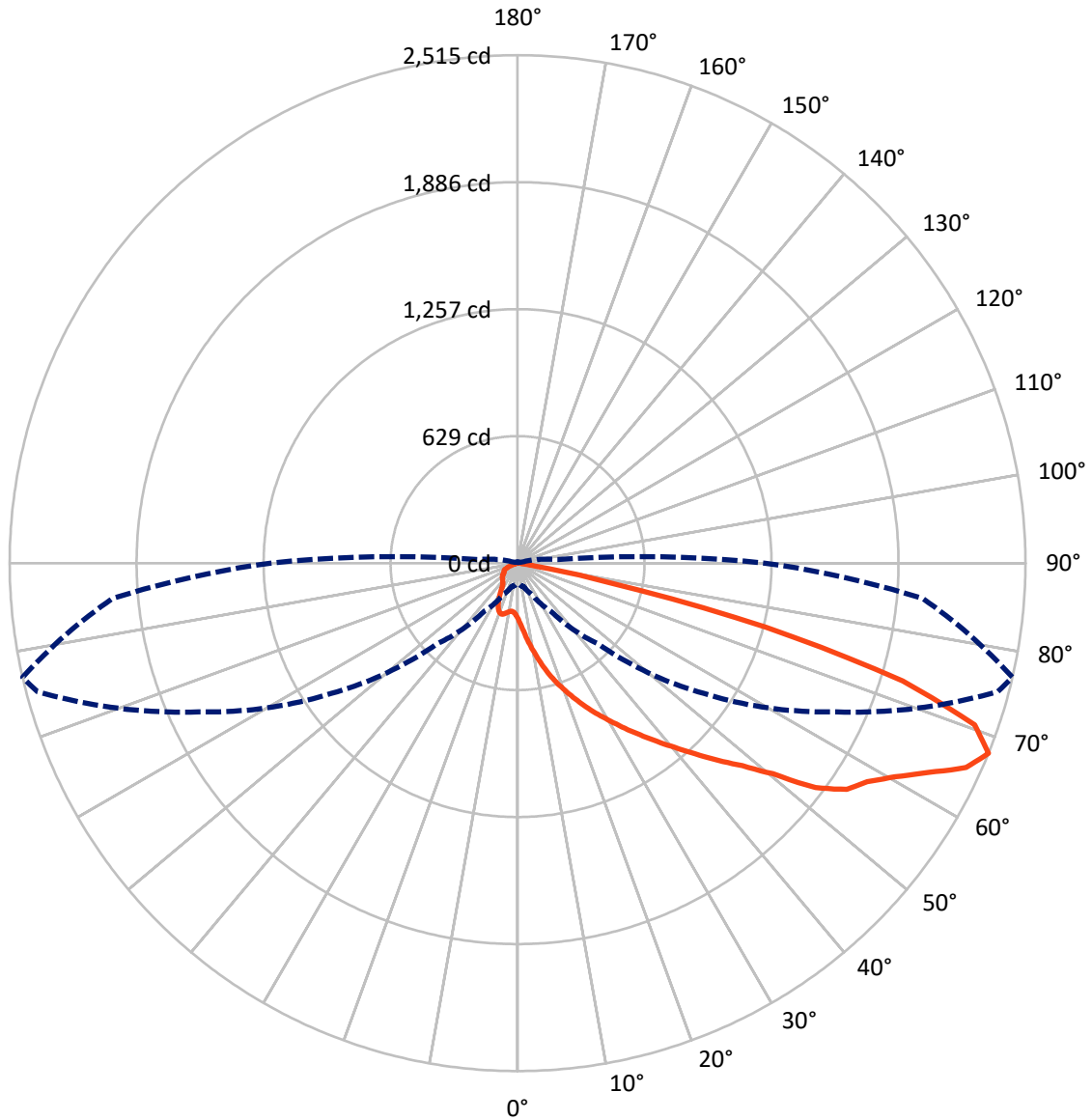
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 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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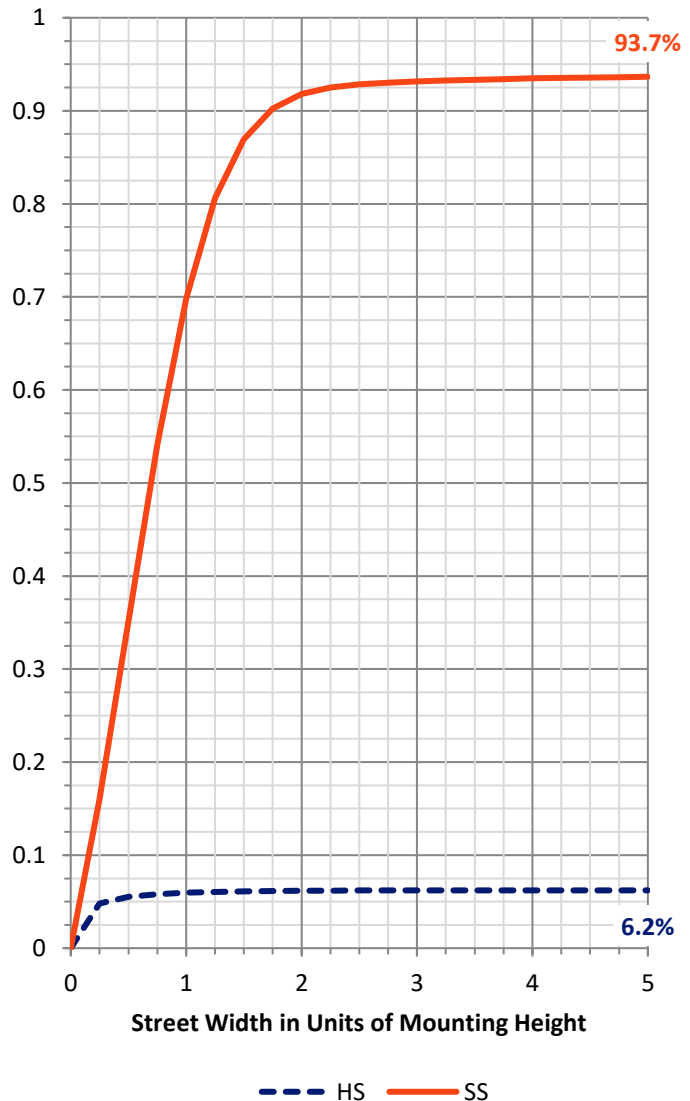
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	178.7	0.0	178.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2681.7	0.0	2681.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	2860.4	0.0	2860.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	1.1
10°-20°	119.1	4.2
20°-30°	232.6	8.1
30°-40°	406.7	14.2
40°-50°	593.2	20.7
50°-60°	693.6	24.2
60°-70°	562.3	19.7
70°-80°	211.2	7.4
80°-90°	9.6	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°	2860.4	100.0
0°-180°	2860.4	100.0

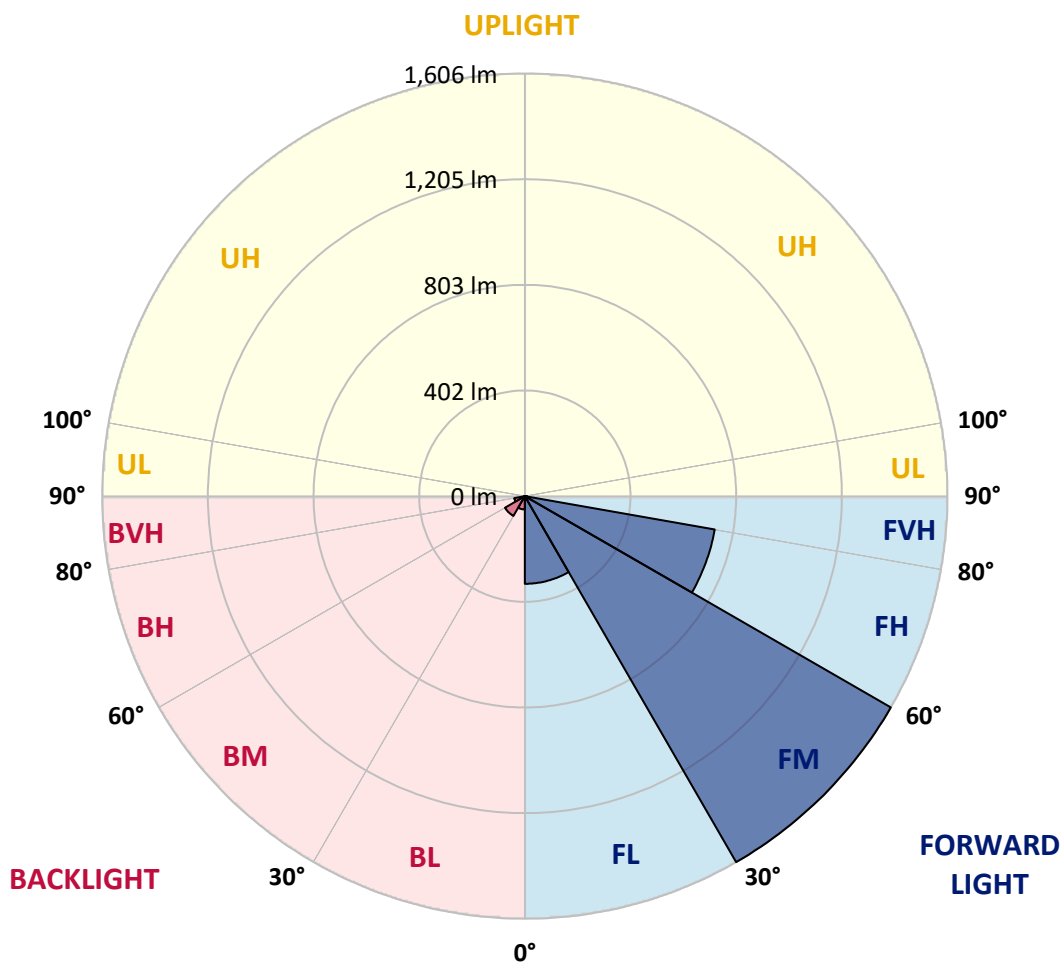


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.2	11.6			
FM (30°-60°)	1606.5	56.2			
FH (60°-80°)	732.9	25.6			G1/1800
FVH (80°-90°)	9.0	0.3			G0/10
BL (0°-30°)	50.7	1.8	B0/110		
BM (30°-60°)	87.0	3.0	B0/220		
BH (60°-80°)	40.5	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°	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0
2.5°	411.4	396.4	399.2	393.0	385.0	366.4	346.8	327.2	309.6	305.7	288.2
5°	526.8	522.1	517.2	513.1	496.3	473.1	437.7	392.8	352.2	345.2	308.8
7.5°	616.4	609.4	613.8	601.1	583.6	561.1	516.2	468.2	405.7	395.3	338.8
10°	682.5	678.6	680.7	674.7	666.2	643.8	599.3	539.2	466.9	447.2	372.4
12.5°	732.1	732.8	741.9	742.4	735.4	717.1	670.1	607.3	522.4	504.8	409.5
15°	768.2	769.0	780.1	792.0	800.0	790.4	747.8	677.6	587.7	563.7	448.5
17.5°	774.2	774.7	794.3	818.3	843.1	851.4	818.6	747.3	647.4	620.0	493.2
20°	778.0	782.4	800.0	827.6	866.9	892.4	874.6	814.2	705.2	673.4	537.1
22.5°	825.0	825.0	835.4	855.0	886.2	926.2	922.6	875.6	761.5	730.0	580.7
25°	924.7	924.7	914.6	909.5	926.2	957.8	966.8	941.2	825.8	788.6	626.7
27.5°	1056.7	1056.7	1040.9	1002.9	988.5	1001.6	1011.2	998.3	885.2	848.5	675.3
30°	1193.5	1198.2	1170.8	1122.5	1071.9	1061.8	1052.5	1049.7	948.5	907.1	724.6
32.5°	1330.9	1330.4	1296.3	1236.1	1170.0	1134.4	1104.2	1100.8	1015.6	975.1	771.3
35°	1440.6	1440.9	1405.0	1343.3	1266.8	1221.4	1172.9	1157.1	1089.2	1044.0	827.1
37.5°	1535.7	1530.2	1491.5	1432.9	1361.6	1314.6	1254.2	1213.1	1165.4	1119.4	882.9
40°	1590.1	1582.9	1545.2	1489.4	1435.5	1399.6	1346.4	1280.8	1249.0	1199.4	946.4
42.5°	1598.1	1591.9	1566.9	1533.3	1489.2	1457.7	1443.5	1357.2	1336.8	1291.9	1022.3
45°	1575.7	1565.6	1557.3	1539.8	1527.4	1512.2	1531.5	1438.6	1437.5	1392.9	1097.4
47.5°	1519.9	1506.2	1508.3	1527.7	1541.6	1555.3	1615.7	1545.2	1539.0	1497.2	1196.1
50°	1424.6	1417.9	1440.6	1478.8	1534.1	1588.8	1699.6	1654.2	1678.7	1639.5	1332.2
52.5°	1231.0	1239.2	1307.1	1399.1	1494.6	1604.6	1778.4	1816.9	1879.6	1847.3	1469.0
55°	998.6	995.5	1086.1	1249.3	1401.9	1594.5	1812.7	1912.7	2011.3	1977.5	1545.2
57.5°	804.4	809.8	871.0	1032.4	1244.6	1516.8	1820.7	1962.8	2064.2	2041.8	1615.7
60°	603.7	608.9	664.7	805.1	1035.5	1354.6	1754.6	1980.3	2163.7	2146.6	1728.3
62.5°	384.2	391.0	447.0	583.6	791.5	1102.6	1606.2	1962.0	2267.5	2281.7	1881.9
65°	189.0	195.0	236.3	340.9	529.1	824.5	1399.1	1892.0	2399.7	2440.2	2005.1
67.5°	104.6	107.4	121.6	173.5	295.1	565.5	1124.3	1742.5	2460.4	2514.6	2013.4
70°	81.3	82.1	87.5	101.2	143.8	331.8	799.7	1493.6	2334.6	2400.2	1845.8
72.5°	68.4	69.5	72.0	76.7	89.9	172.8	502.5	1154.3	1964.3	1994.0	1428.0
75°	50.1	51.6	58.9	63.0	71.0	104.8	221.6	693.6	1298.1	1268.9	798.9
77.5°	42.1	43.4	45.2	51.1	58.6	71.5	77.7	290.8	528.3	459.4	209.7
80°	28.7	30.2	35.1	38.2	49.6	47.3	32.3	78.0	106.1	86.5	40.3
82.5°	20.4	21.7	24.3	31.2	35.9	25.0	17.6	23.8	25.6	24.3	13.2
85°	6.5	8.3	17.6	25.8	19.4	8.5	11.1	9.0	8.0	7.7	5.2
87.5°	1.3	1.3	8.8	10.3	7.7	4.4	3.9	2.8	3.6	3.6	2.8
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°	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0
2.5°	279.9	268.3	251.5	235.8	219.7	208.4	200.4	192.4	189.3	188.0	184.6
5°	292.3	270.1	236.8	209.9	190.3	177.9	170.4	164.0	159.8	158.5	156.7
7.5°	310.1	278.1	230.3	199.3	179.7	166.3	154.2	140.2	129.1	124.7	122.9
10°	329.5	290.2	231.4	197.3	171.2	141.8	114.7	92.2	82.4	78.8	76.2
12.5°	357.9	303.7	235.8	195.0	145.6	101.2	73.3	64.0	61.7	61.2	60.7
15°	386.3	322.5	243.0	179.5	108.7	68.9	60.9	57.6	56.3	55.0	55.0
17.5°	415.0	340.6	245.8	149.3	75.1	59.6	55.5	52.7	50.6	49.6	48.8
20°	447.2	359.7	237.6	112.3	60.2	54.5	49.8	46.5	44.7	43.6	42.9
22.5°	482.1	378.6	219.5	78.2	54.7	49.1	44.7	41.3	39.5	38.5	38.2
25°	514.9	394.8	190.6	58.9	49.3	43.9	39.8	36.9	35.6	34.6	34.3
27.5°	548.7	408.8	152.9	51.9	44.9	39.8	35.6	33.3	32.0	31.2	31.0
30°	581.8	418.3	113.9	47.5	41.1	35.9	32.3	30.5	29.2	28.4	28.1
32.5°	615.9	423.7	77.0	43.6	37.2	32.5	29.4	27.6	26.9	26.1	26.1
35°	648.7	423.0	55.5	40.0	34.1	29.4	26.6	25.3	25.0	24.3	24.3
37.5°	684.6	417.5	47.3	36.7	30.7	26.6	24.3	23.5	23.2	22.7	22.5
40°	725.3	405.4	43.1	34.1	27.9	24.3	22.2	21.7	21.4	20.9	20.9
42.5°	770.0	389.7	40.8	31.2	25.6	21.9	20.4	19.6	19.4	18.9	18.9
45°	821.9	374.7	39.2	28.4	23.5	20.1	18.6	17.8	17.6	17.0	17.0
47.5°	892.7	366.2	36.7	25.8	21.2	18.3	16.8	16.3	15.8	15.2	15.2
50°	990.0	356.1	33.3	23.2	19.4	16.5	15.5	14.7	14.5	13.9	13.9
52.5°	1070.1	334.7	30.0	20.7	17.3	15.2	14.2	13.7	13.2	12.9	12.9
55°	1098.2	309.6	26.6	18.6	15.8	14.2	13.2	12.7	12.4	12.1	12.1
57.5°	1143.2	301.6	23.5	16.5	14.2	13.2	12.1	11.9	11.6	11.4	11.1
60°	1219.8	306.3	20.7	14.7	12.9	11.9	11.1	10.8	10.3	9.8	9.8
62.5°	1294.2	300.6	17.6	12.9	11.1	10.6	9.8	9.3	8.3	7.5	7.0
65°	1312.3	262.6	15.2	10.8	9.3	8.8	8.0	7.0	5.4	4.4	4.4
67.5°	1224.8	199.6	13.2	9.3	7.7	7.2	5.7	4.6	3.4	2.6	2.6
70°	1010.7	126.5	10.8	7.2	6.5	4.9	3.6	3.4	2.3	2.1	1.8
72.5°	729.2	69.2	9.0	5.9	4.6	3.1	2.6	2.1	1.5	1.0	1.0
75°	369.3	32.5	6.7	4.6	3.1	2.1	1.5	1.0	1.0	0.8	0.8
77.5°	104.6	15.0	4.4	3.1	2.1	1.3	1.0	0.8	0.8	0.5	0.5
80°	20.7	7.5	2.8	2.1	1.5	1.0	0.8	0.5	0.5	0.3	0.3
82.5°	7.5	3.9	2.1	1.5	1.3	1.0	0.5	0.3	0.3	0.0	0.0
85°	3.9	2.1	1.5	1.3	1.0	0.8	0.5	0.3	0.0	0.0	0.0
87.5°	2.1	1.5	1.3	1.3	1.0	0.8	0.5	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)