

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: P674714

Luminaire Tested: **CCP-SA-1B-750-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674714
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-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

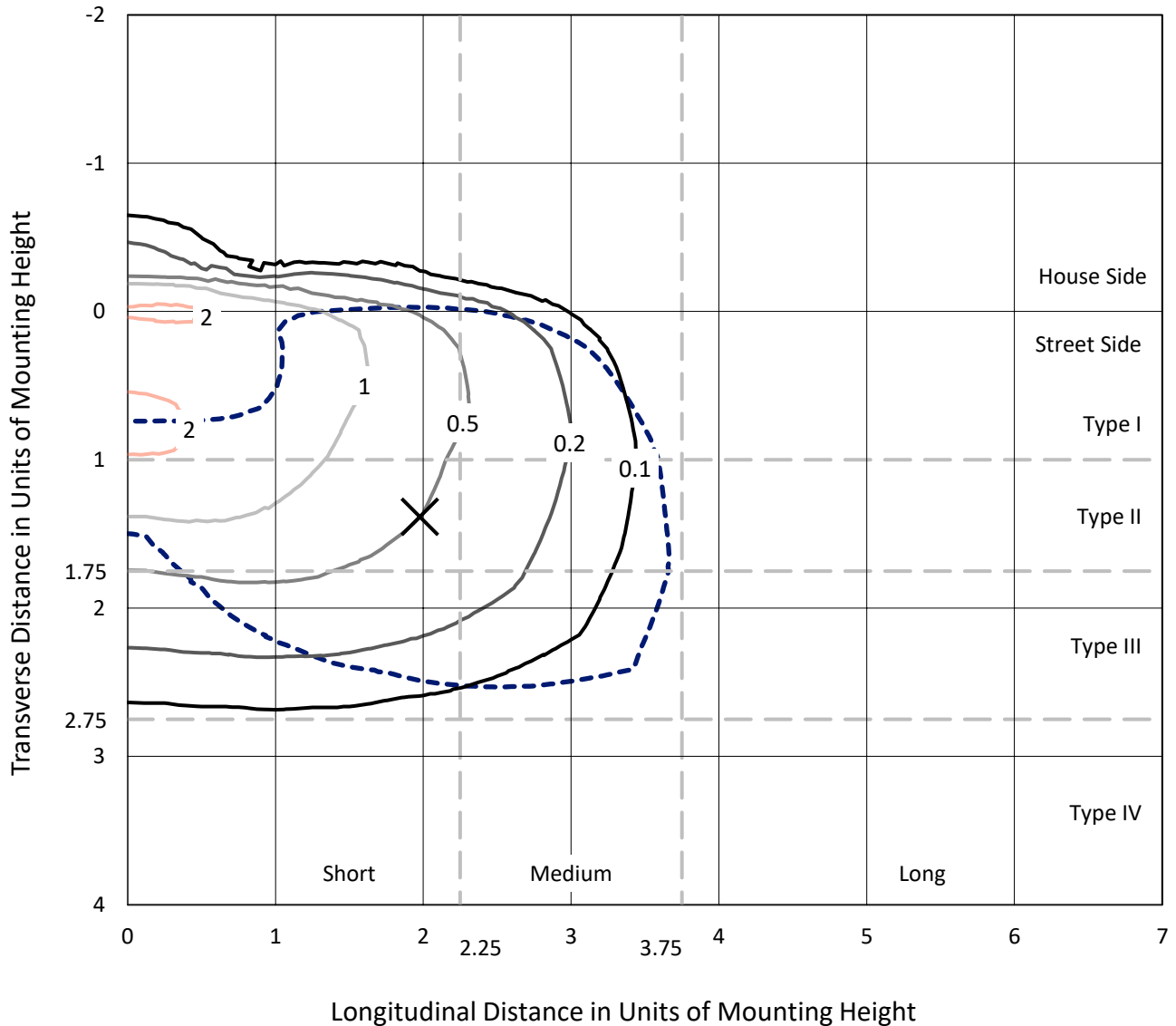
Lumens per Lamp: N/A
Luminaire Lumens: 2801.7 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P674714
 CATALOG NUMBER: CCP-SA-1B-750-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

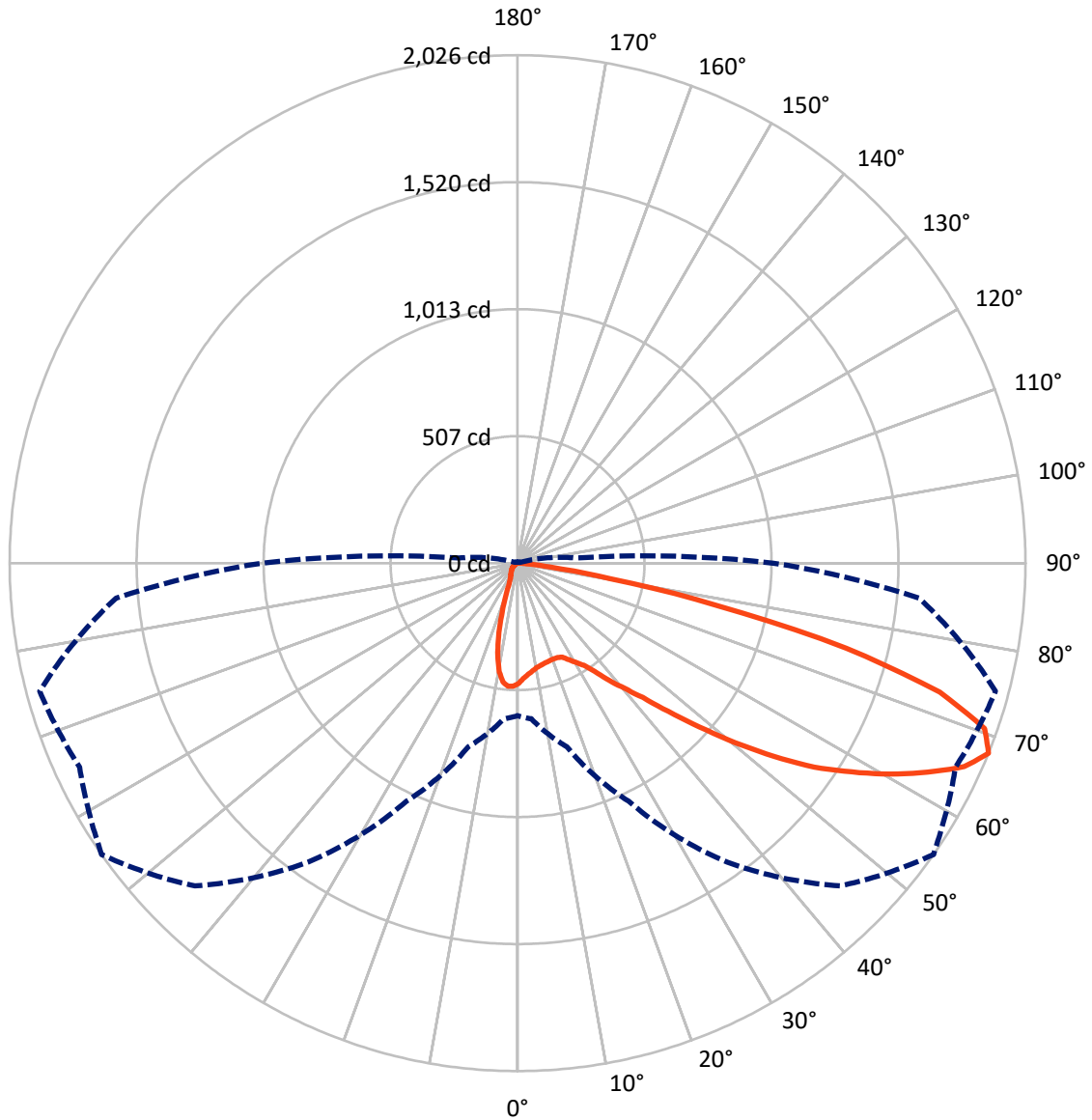
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - N/A

REPORT NUMBER: P674714
CATALOG NUMBER: CCP-SA-1B-750-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: CCP-SA-1B-750-U-T3R-HSS

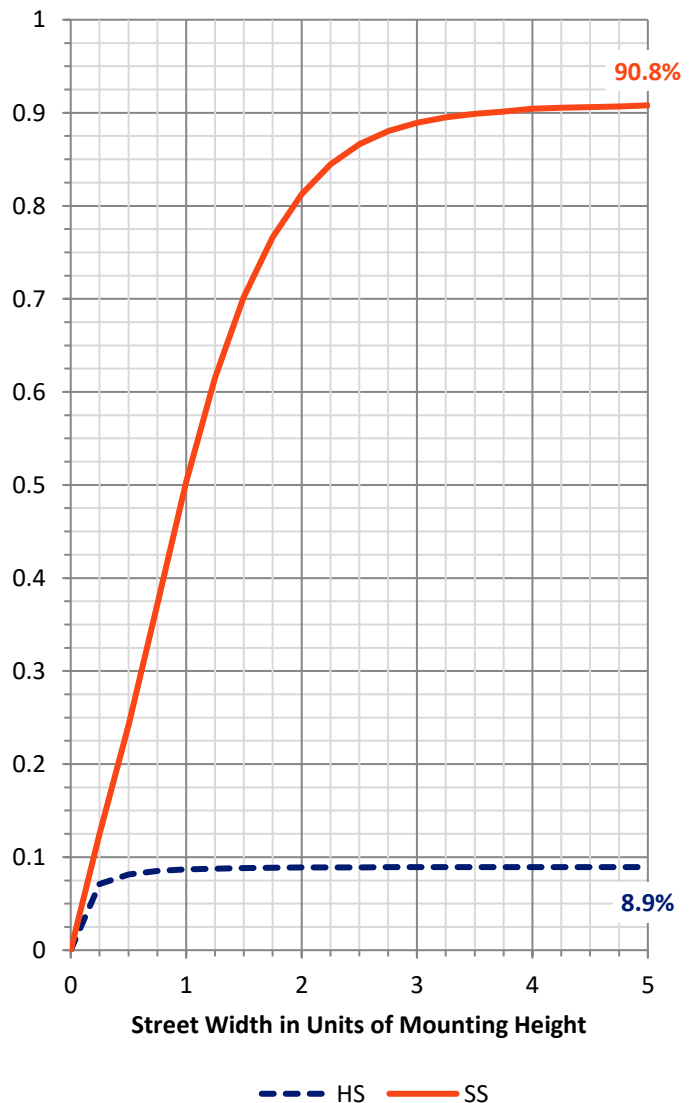
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	251.7	0.0	251.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2550.0	0.0	2550.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	2801.7	0.0	2801.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	1.5
10°-20°	95.9	3.4
20°-30°	153.9	5.5
30°-40°	267.0	9.5
40°-50°	445.2	15.9
50°-60°	651.0	23.2
60°-70°	759.0	27.1
70°-80°	368.4	13.1
80°-90°	19.3	0.7
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°	2801.7	100.0
0°-180°	2801.7	100.0



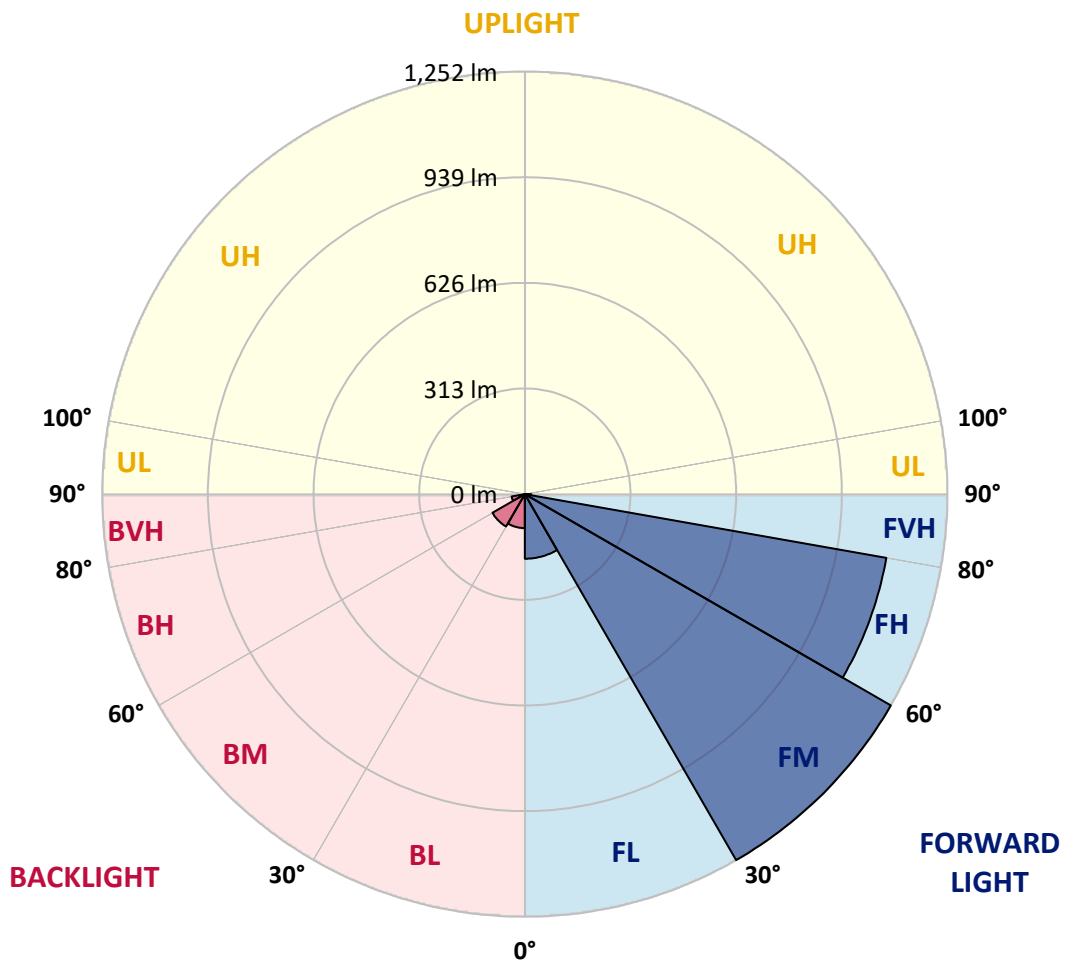
REPORT NUMBER: P674714
 CATALOG NUMBER: CCP-SA-1B-750-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.4	6.8			
FM (30°-60°)	1252.3	44.7			
FH (60°-80°)	1087.7	38.8			G1/1800
FVH (80°-90°)	18.7	0.7			G1/100
BL (0°-30°)	100.6	3.6	B0/110		
BM (30°-60°)	110.8	4.0	B0/220		
BH (60°-80°)	39.7	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 III Short





REPORT NUMBER: P674714

CATALOG NUMBER: CCP-SA-1B-750-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1
2.5°	443.2	446.1	449.7	451.0	455.4	461.6	459.7	458.5	465.4	475.0	478.1
5°	415.6	415.9	421.5	425.7	433.2	439.1	445.5	445.0	457.7	473.9	484.3
7.5°	388.5	389.0	395.0	401.4	412.2	423.9	433.7	433.2	453.6	475.2	494.9
10°	352.9	355.5	362.7	374.0	391.1	409.4	423.1	424.4	448.9	480.1	509.3
12.5°	324.2	325.5	333.5	348.2	368.4	392.4	417.9	417.2	449.9	489.2	528.2
15°	312.1	311.3	316.2	327.1	350.0	380.2	412.8	414.6	453.6	499.5	547.8
17.5°	314.9	314.2	316.7	320.6	336.9	370.2	409.9	413.0	459.2	510.3	566.1
20°	346.4	341.0	336.4	332.2	334.5	361.9	408.1	411.5	462.6	518.6	585.5
22.5°	407.1	400.4	388.0	365.0	349.8	362.4	408.6	413.0	470.1	532.0	609.0
25°	506.0	499.5	472.9	425.9	385.7	381.0	415.6	420.3	487.4	552.4	634.0
27.5°	636.8	622.4	590.1	522.7	445.0	410.7	436.5	441.7	511.9	568.2	651.0
30°	745.5	742.2	711.2	628.6	526.9	454.3	460.0	462.8	523.0	577.7	668.1
32.5°	858.3	851.3	822.9	742.7	621.9	516.5	486.3	487.6	537.4	591.9	692.8
35°	956.4	950.0	926.2	848.2	732.9	600.2	530.0	527.1	567.4	623.1	726.4
37.5°	1047.3	1046.5	1025.6	946.1	832.5	686.9	594.2	591.9	614.1	657.5	771.8
40°	1136.1	1134.0	1116.2	1043.7	930.6	773.4	655.4	649.5	653.9	705.5	831.7
42.5°	1190.5	1194.9	1201.1	1155.2	1047.0	874.8	732.9	729.2	728.5	780.6	910.5
45°	1220.0	1227.7	1264.1	1260.0	1170.4	1001.1	843.1	833.8	830.7	883.9	1000.5
47.5°	1248.6	1252.0	1311.6	1336.6	1288.6	1132.7	976.3	963.4	950.7	1009.8	1108.2
50°	1250.4	1255.8	1329.7	1390.6	1387.8	1262.3	1125.7	1114.4	1099.9	1163.2	1213.3
52.5°	1225.1	1236.0	1327.4	1424.7	1449.2	1376.7	1280.9	1271.6	1259.7	1307.0	1301.8
55°	1050.4	1068.7	1281.9	1427.8	1492.3	1474.8	1436.8	1423.9	1412.3	1445.8	1388.5
57.5°	967.2	977.6	1144.1	1425.4	1547.3	1565.6	1572.1	1566.1	1549.9	1591.7	1479.1
60°	917.4	932.4	1078.2	1399.6	1606.7	1668.4	1708.9	1697.0	1677.1	1734.7	1576.2
62.5°	857.8	868.6	1012.7	1325.3	1642.0	1772.9	1837.2	1826.3	1785.3	1866.6	1654.7
65°	747.8	764.1	908.4	1208.4	1594.5	1849.6	1958.0	1954.4	1883.1	1966.2	1676.1
67.5°	608.7	623.4	757.9	1048.0	1455.6	1820.9	2026.4	2015.0	1927.5	1973.7	1608.2
70°	456.9	464.9	566.4	800.7	1192.6	1667.8	1976.8	1974.5	1860.2	1862.7	1399.9
72.5°	245.2	267.4	376.6	535.9	838.7	1350.8	1761.8	1752.5	1659.6	1525.6	1006.7
75°	85.7	92.2	200.6	301.0	455.6	899.9	1354.7	1333.0	1241.1	992.3	548.5
77.5°	52.7	57.8	89.1	153.9	177.3	390.6	813.9	785.8	726.4	429.0	187.4
80°	36.4	41.0	59.6	80.5	60.4	126.5	374.6	364.0	280.1	102.2	43.1
82.5°	20.4	24.5	45.2	39.5	24.3	32.8	129.8	120.3	74.6	27.6	14.5
85°	11.9	14.2	31.8	27.9	12.4	11.6	33.8	30.2	19.4	10.3	7.0
87.5°	6.2	8.0	23.2	18.6	7.5	4.1	7.7	7.5	4.9	3.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674714
 CATALOG NUMBER: CCP-SA-1B-750-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1
2.5°	483.8	482.5	489.2	491.5	491.0	489.9	492.5	489.2	488.9	488.1	487.4
5°	492.5	494.6	500.0	500.0	492.8	480.9	473.7	463.9	455.6	450.7	449.9
7.5°	505.7	509.8	513.4	502.3	477.6	448.1	416.9	392.4	370.9	359.8	358.8
10°	524.3	528.2	525.3	493.6	440.4	379.5	328.6	277.5	251.9	238.0	238.0
12.5°	546.5	549.6	532.3	471.6	379.2	290.9	223.0	169.3	143.8	127.3	126.2
15°	570.5	571.3	531.3	433.4	303.6	195.4	128.0	94.0	83.1	80.8	80.3
17.5°	591.4	588.3	520.4	376.9	218.6	116.4	81.3	73.6	71.5	71.5	71.5
20°	611.0	600.7	498.7	311.1	140.2	79.2	70.0	67.9	67.9	68.1	68.1
22.5°	632.7	612.3	467.7	238.0	90.1	67.9	65.6	64.5	64.3	65.1	64.8
25°	658.3	623.7	423.3	164.4	69.7	63.2	62.2	61.2	61.2	61.2	61.2
27.5°	672.5	622.1	372.8	103.8	60.9	58.6	57.6	56.5	55.8	55.5	55.8
30°	684.8	613.1	306.7	72.5	55.0	52.4	51.6	50.3	48.8	48.3	48.3
32.5°	701.1	605.6	237.5	58.3	49.8	47.0	44.7	42.6	40.0	39.0	38.7
35°	719.2	591.9	174.0	51.4	45.2	41.6	37.9	34.6	31.2	30.2	29.9
37.5°	741.6	579.5	118.0	47.5	41.3	36.9	32.0	27.4	24.3	23.7	23.7
40°	772.1	569.2	81.6	44.1	37.7	32.5	26.6	21.7	19.6	19.1	19.1
42.5°	813.7	560.7	61.7	41.3	34.6	28.1	21.4	17.8	16.3	15.7	15.7
45°	862.7	547.5	52.1	38.7	31.5	23.7	17.8	15.0	14.2	14.2	14.2
47.5°	919.0	531.0	47.5	36.1	28.1	19.4	15.0	13.7	13.4	13.4	13.7
50°	975.8	511.4	44.1	33.0	24.3	16.5	13.7	12.9	12.9	13.2	13.2
52.5°	1014.2	480.7	40.8	29.7	20.4	14.5	12.9	12.6	12.4	12.4	12.4
55°	1051.7	453.8	36.1	26.1	17.0	13.4	12.4	12.1	12.1	11.9	11.9
57.5°	1090.6	432.6	30.2	21.7	14.5	12.6	11.9	11.9	11.4	11.1	11.1
60°	1135.8	414.1	23.2	17.0	12.6	11.9	11.1	10.8	10.3	9.8	9.8
62.5°	1149.0	374.8	17.6	13.7	10.8	10.3	10.1	9.6	8.3	7.2	7.5
65°	1114.6	313.1	13.9	10.8	8.8	8.8	8.0	6.7	5.4	4.6	4.6
67.5°	1019.9	233.9	11.4	8.5	7.0	6.7	5.7	4.9	3.4	2.8	2.8
70°	840.5	154.6	9.3	6.7	5.7	4.6	3.9	3.6	2.6	2.1	2.1
72.5°	589.1	83.9	7.7	5.4	4.1	3.1	2.6	2.3	1.8	1.5	1.3
75°	311.1	32.3	6.2	4.1	2.6	2.1	1.5	1.5	1.3	1.0	1.0
77.5°	106.6	13.7	4.4	2.3	1.8	1.3	1.0	0.8	1.0	0.8	0.8
80°	25.3	8.0	2.8	1.5	1.0	0.8	0.8	0.5	0.5	0.5	0.5
82.5°	11.1	4.6	1.8	1.0	1.0	0.8	0.5	0.3	0.3	0.3	0.3
85°	7.5	2.8	1.3	1.0	0.8	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	5.9	1.8	1.0	1.0	0.8	0.5	0.3	0.0	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)