

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: P674671

Luminaire Tested: **CCP-SA-1C-727-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674671
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

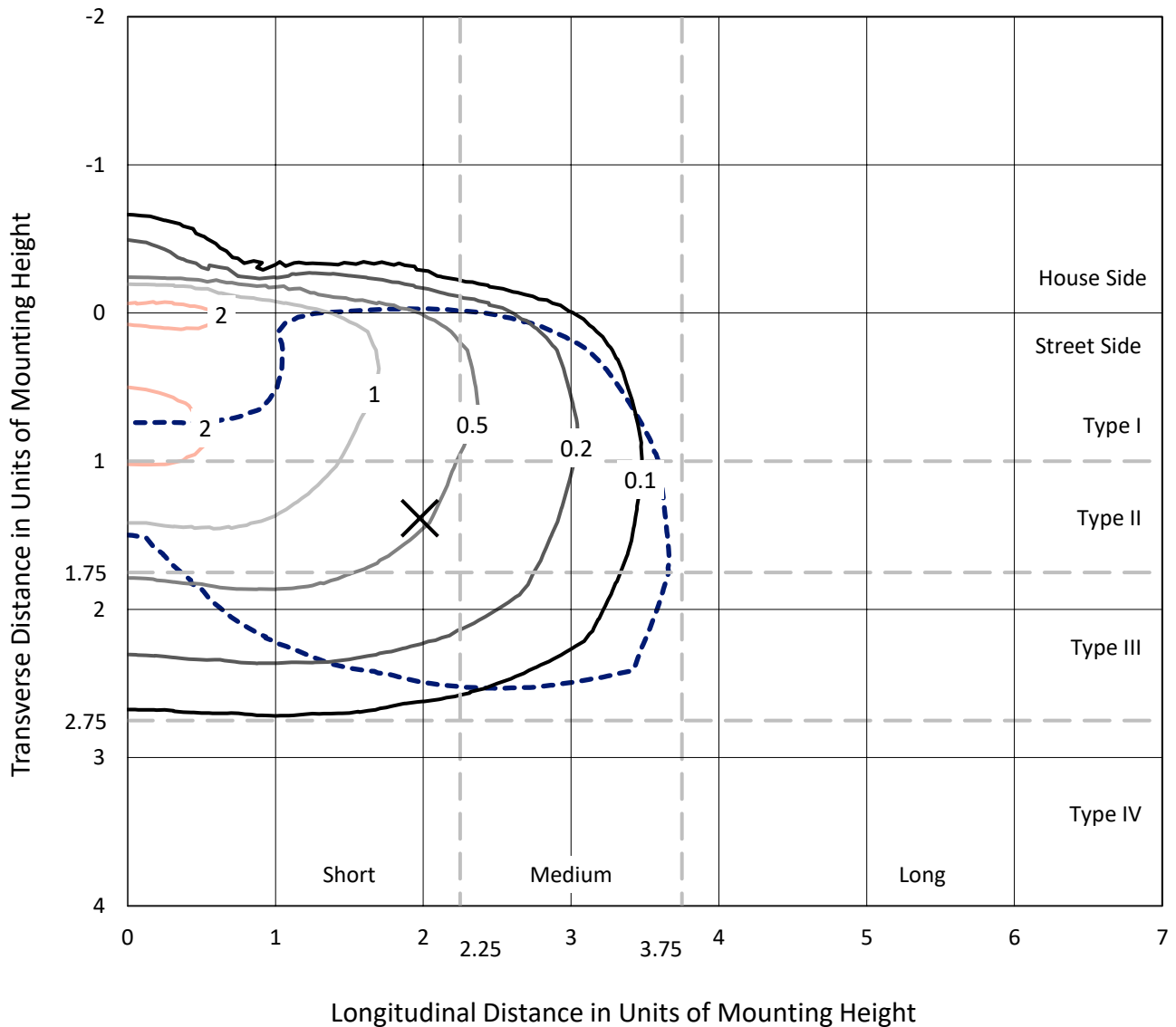
Lumens per Lamp: N/A
Luminaire Lumens: 2998.8 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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: P674671
 CATALOG NUMBER: CCP-SA-1C-727-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

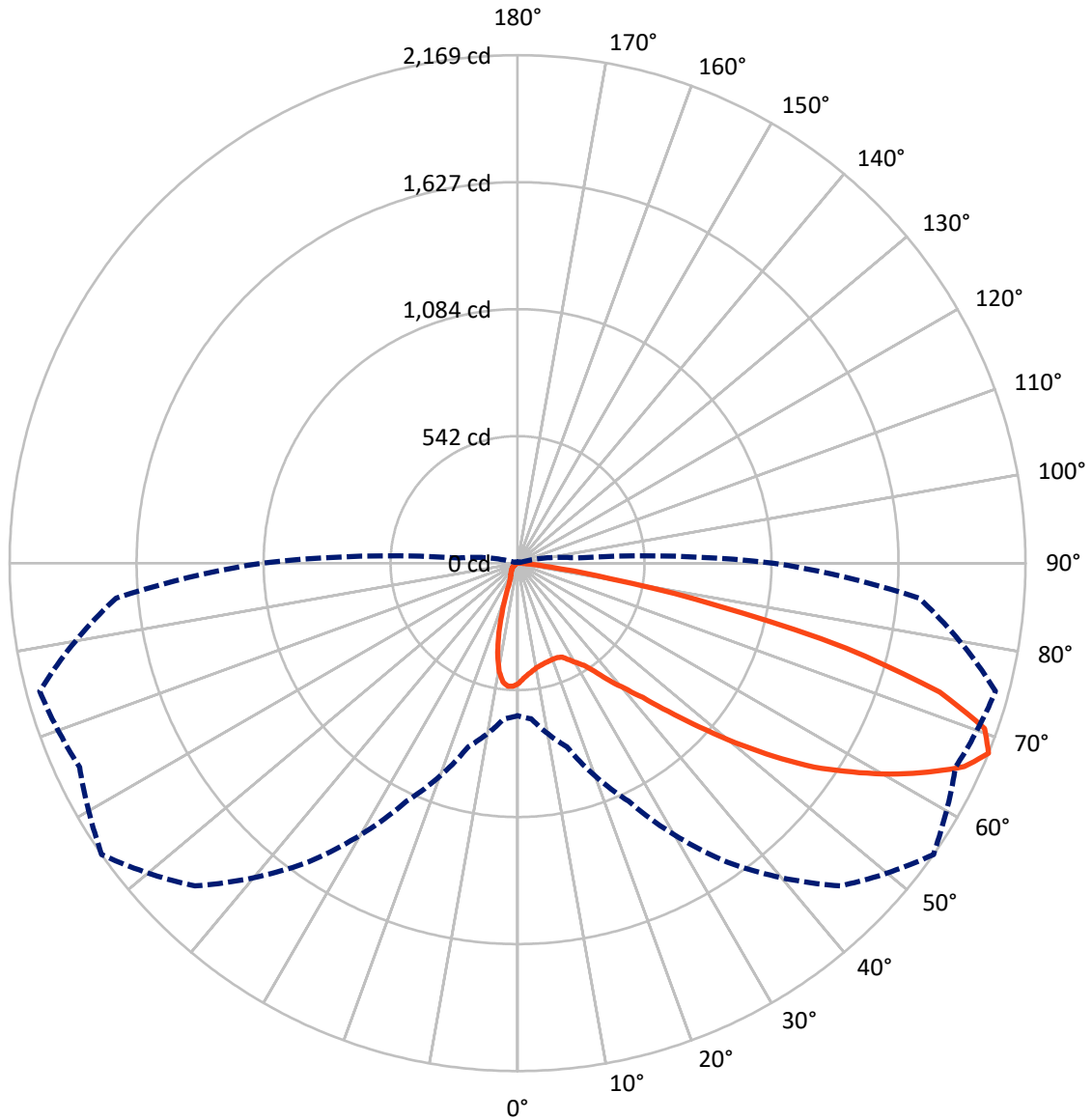
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

REPORT NUMBER: P674671
CATALOG NUMBER: CCP-SA-1C-727-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674671
 CATALOG NUMBER: CCP-SA-1C-727-U-T3R-HSS

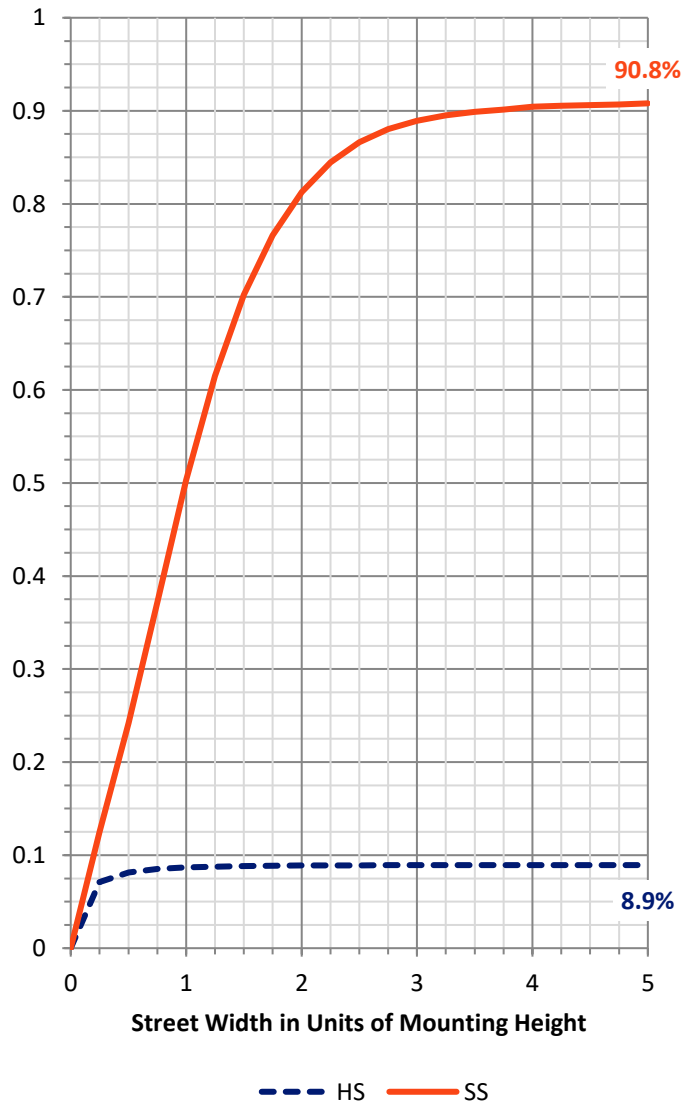
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	269.4	0.0	269.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2729.4	0.0	2729.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	2998.8	0.0	2998.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	1.5
10°-20°	102.7	3.4
20°-30°	164.8	5.5
30°-40°	285.7	9.5
40°-50°	476.5	15.9
50°-60°	696.8	23.2
60°-70°	812.4	27.1
70°-80°	394.3	13.1
80°-90°	20.6	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°	2998.8	100.0
0°-180°	2998.8	100.0



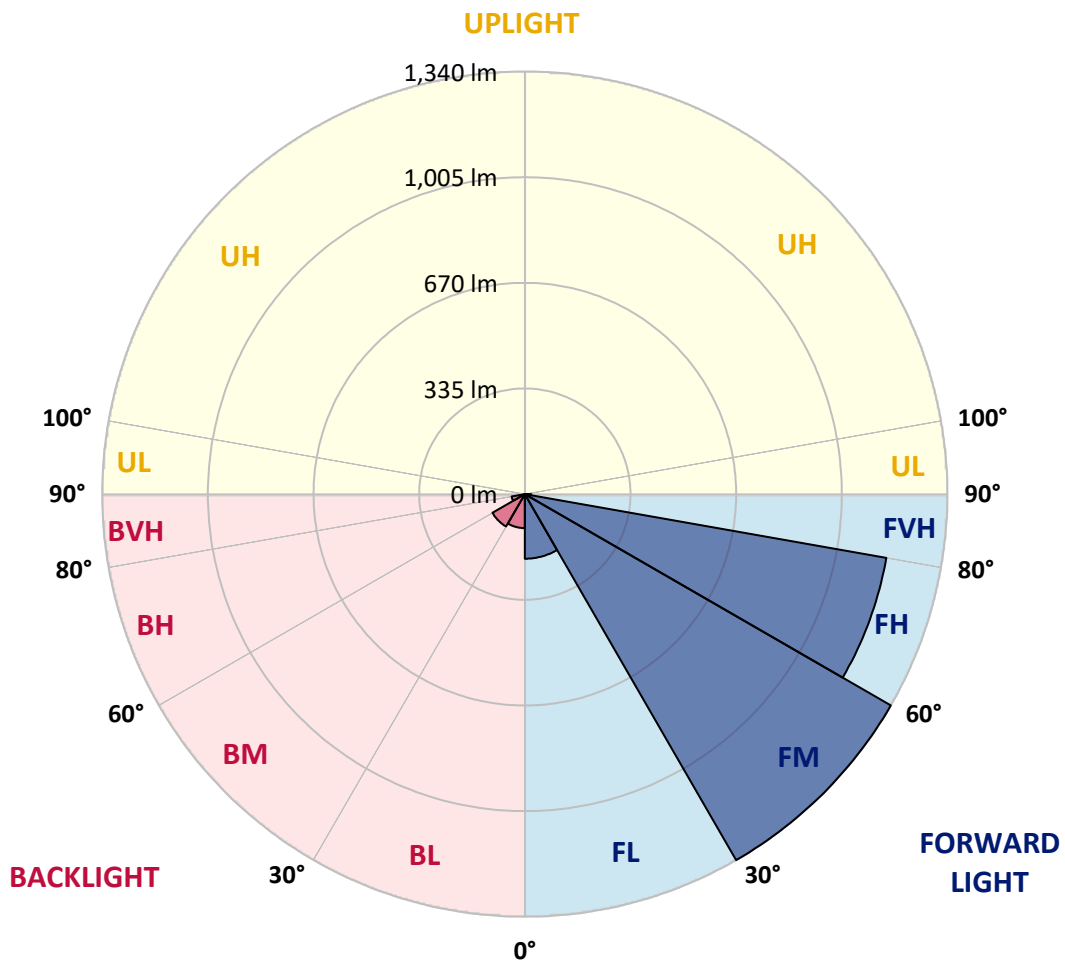
REPORT NUMBER: P674671
 CATALOG NUMBER: CCP-SA-1C-727-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.9	6.8			
FM (30°-60°)	1340.4	44.7			
FH (60°-80°)	1164.2	38.8			G1/1800
FVH (80°-90°)	20.0	0.7			G1/100
BL (0°-30°)	107.7	3.6	B0/110		
BM (30°-60°)	118.6	4.0	B0/220		
BH (60°-80°)	42.5	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 III Short





REPORT NUMBER: P674671

CATALOG NUMBER: CCP-SA-1C-727-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9
2.5°	474.4	477.4	481.3	482.7	487.4	494.0	492.1	490.7	498.2	508.4	511.7
5°	444.8	445.1	451.2	455.6	463.6	470.0	476.9	476.3	489.9	507.3	518.3
7.5°	415.8	416.4	422.7	429.6	441.2	453.7	464.2	463.6	485.4	508.7	529.7
10°	377.7	380.5	388.2	400.3	418.6	438.2	452.8	454.2	480.5	513.9	545.1
12.5°	347.0	348.4	357.0	372.7	394.3	420.0	447.3	446.5	481.6	523.6	565.3
15°	334.0	333.2	338.5	350.1	374.7	407.0	441.8	443.7	485.4	534.6	586.3
17.5°	337.1	336.2	339.0	343.2	360.6	396.2	438.8	442.1	491.5	546.2	605.9
20°	370.8	365.0	360.0	355.6	358.1	387.4	436.8	440.4	495.1	555.1	626.6
22.5°	435.7	428.5	415.3	390.7	374.4	387.9	437.4	442.1	503.1	569.4	651.8
25°	541.5	534.6	506.2	455.9	412.8	407.8	444.8	449.8	521.6	591.3	678.6
27.5°	681.6	666.1	631.6	559.5	476.3	439.6	467.2	472.7	547.9	608.1	696.8
30°	797.9	794.3	761.2	672.8	563.9	486.3	492.4	495.4	559.8	618.3	715.0
32.5°	918.7	911.2	880.8	794.9	665.6	552.9	520.5	521.9	575.2	633.5	741.6
35°	1023.7	1016.8	991.3	907.9	784.4	642.4	567.2	564.2	607.3	667.0	777.5
37.5°	1120.9	1120.1	1097.7	1012.6	891.0	735.2	636.0	633.5	657.3	703.7	826.1
40°	1216.0	1213.8	1194.7	1117.1	996.0	827.8	701.5	695.2	699.9	755.1	890.2
42.5°	1274.3	1279.0	1285.6	1236.4	1120.6	936.4	784.4	780.5	779.7	835.5	974.5
45°	1305.8	1314.1	1353.0	1348.6	1252.7	1071.5	902.4	892.4	889.1	946.0	1070.9
47.5°	1336.4	1340.0	1403.8	1430.6	1379.3	1212.4	1044.9	1031.1	1017.6	1080.9	1186.1
50°	1338.4	1344.2	1423.2	1488.4	1485.4	1351.1	1204.9	1192.8	1177.3	1245.0	1298.6
52.5°	1311.3	1322.9	1420.7	1524.9	1551.1	1473.5	1371.0	1361.0	1348.3	1398.9	1393.3
55°	1124.2	1143.9	1372.1	1528.2	1597.3	1578.5	1537.8	1524.0	1511.6	1547.5	1486.2
57.5°	1035.3	1046.3	1224.5	1525.7	1656.1	1675.7	1682.6	1676.3	1658.9	1703.6	1583.2
60°	981.9	998.0	1154.1	1498.1	1719.7	1785.7	1829.1	1816.4	1795.1	1856.7	1687.0
62.5°	918.1	929.7	1083.9	1418.5	1757.5	1897.6	1966.4	1954.8	1910.8	1997.9	1771.0
65°	800.4	817.8	972.3	1293.3	1706.7	1979.6	2095.7	2091.8	2015.6	2104.5	1794.0
67.5°	651.5	667.2	811.2	1121.8	1558.0	1949.0	2168.9	2156.7	2063.1	2112.5	1721.3
70°	489.0	497.6	606.2	857.1	1276.5	1785.1	2115.9	2113.4	1991.0	1993.7	1498.3
72.5°	262.5	286.2	403.1	573.6	897.7	1445.8	1885.7	1875.8	1776.3	1632.9	1077.5
75°	91.7	98.6	214.7	322.2	487.7	963.2	1450.0	1426.8	1328.4	1062.1	587.1
77.5°	56.4	61.9	95.3	164.7	189.8	418.0	871.2	841.0	777.5	459.2	200.6
80°	39.0	43.9	63.8	86.2	64.7	135.4	400.9	389.6	299.8	109.4	46.1
82.5°	21.8	26.2	48.4	42.3	26.0	35.1	139.0	128.8	79.8	29.6	15.5
85°	12.7	15.2	34.0	29.8	13.3	12.4	36.2	32.3	20.7	11.1	7.5
87.5°	6.6	8.6	24.9	19.9	8.0	4.4	8.3	8.0	5.2	3.9	5.0
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: P674671
 CATALOG NUMBER: CCP-SA-1C-727-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9
2.5°	517.8	516.4	523.6	526.1	525.5	524.4	527.2	523.6	523.3	522.5	521.6
5°	527.2	529.4	535.2	535.2	527.4	514.7	507.0	496.5	487.7	482.4	481.6
7.5°	541.3	545.7	549.5	537.7	511.1	479.6	446.2	420.0	397.0	385.2	384.0
10°	561.2	565.3	562.3	528.3	471.4	406.2	351.7	297.0	269.7	254.7	254.7
12.5°	584.9	588.2	569.7	504.8	405.9	311.4	238.7	181.2	153.9	136.2	135.1
15°	610.6	611.4	568.6	463.9	324.9	209.2	137.0	100.6	89.0	86.5	85.9
17.5°	633.0	629.7	557.0	403.4	234.0	124.6	87.0	78.7	76.5	76.5	76.5
20°	654.0	642.9	533.8	332.9	150.0	84.8	74.9	72.7	72.7	72.9	72.9
22.5°	677.2	655.4	500.6	254.7	96.4	72.7	70.2	69.1	68.8	69.6	69.3
25°	704.5	667.5	453.1	176.0	74.6	67.7	66.6	65.5	65.5	65.5	65.5
27.5°	719.7	665.9	399.0	111.1	65.2	62.7	61.6	60.5	59.7	59.4	59.7
30°	733.0	656.2	328.2	77.6	58.9	56.1	55.3	53.9	52.2	51.7	51.7
32.5°	750.4	648.2	254.2	62.4	53.3	50.3	47.8	45.6	42.8	41.7	41.4
35°	769.8	633.5	186.2	55.0	48.4	44.5	40.6	37.0	33.4	32.3	32.1
37.5°	793.8	620.3	126.3	50.8	44.2	39.5	34.3	29.3	26.0	25.4	25.4
40°	826.4	609.2	87.3	47.2	40.3	34.8	28.5	23.2	21.0	20.4	20.4
42.5°	870.9	600.1	66.0	44.2	37.0	30.1	22.9	19.1	17.4	16.9	16.9
45°	923.4	586.0	55.8	41.4	33.7	25.4	19.1	16.0	15.2	15.2	15.2
47.5°	983.6	568.3	50.8	38.7	30.1	20.7	16.0	14.6	14.4	14.4	14.6
50°	1044.4	547.3	47.2	35.4	26.0	17.7	14.6	13.8	13.8	14.1	14.1
52.5°	1085.6	514.5	43.7	31.8	21.8	15.5	13.8	13.5	13.3	13.3	13.3
55°	1125.6	485.7	38.7	27.9	18.2	14.4	13.3	13.0	13.0	12.7	12.7
57.5°	1167.3	463.1	32.3	23.2	15.5	13.5	12.7	12.7	12.2	11.9	11.9
60°	1215.7	443.2	24.9	18.2	13.5	12.7	11.9	11.6	11.1	10.5	10.5
62.5°	1229.8	401.2	18.8	14.6	11.6	11.1	10.8	10.2	8.8	7.7	8.0
65°	1193.0	335.1	14.9	11.6	9.4	9.4	8.6	7.2	5.8	5.0	5.0
67.5°	1091.6	250.3	12.2	9.1	7.5	7.2	6.1	5.2	3.6	3.0	3.0
70°	899.6	165.5	9.9	7.2	6.1	5.0	4.1	3.9	2.8	2.2	2.2
72.5°	630.5	89.8	8.3	5.8	4.4	3.3	2.8	2.5	1.9	1.7	1.4
75°	332.9	34.5	6.6	4.4	2.8	2.2	1.7	1.7	1.4	1.1	1.1
77.5°	114.1	14.6	4.7	2.5	1.9	1.4	1.1	0.8	1.1	0.8	0.8
80°	27.1	8.6	3.0	1.7	1.1	0.8	0.8	0.6	0.6	0.6	0.6
82.5°	11.9	5.0	1.9	1.1	1.1	0.8	0.6	0.3	0.3	0.3	0.3
85°	8.0	3.0	1.4	1.1	0.8	0.6	0.3	0.3	0.0	0.0	0.0
87.5°	6.4	1.9	1.1	1.1	0.8	0.6	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)