

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: P674692

Luminaire Tested: **CCP-SA-1B-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674692
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

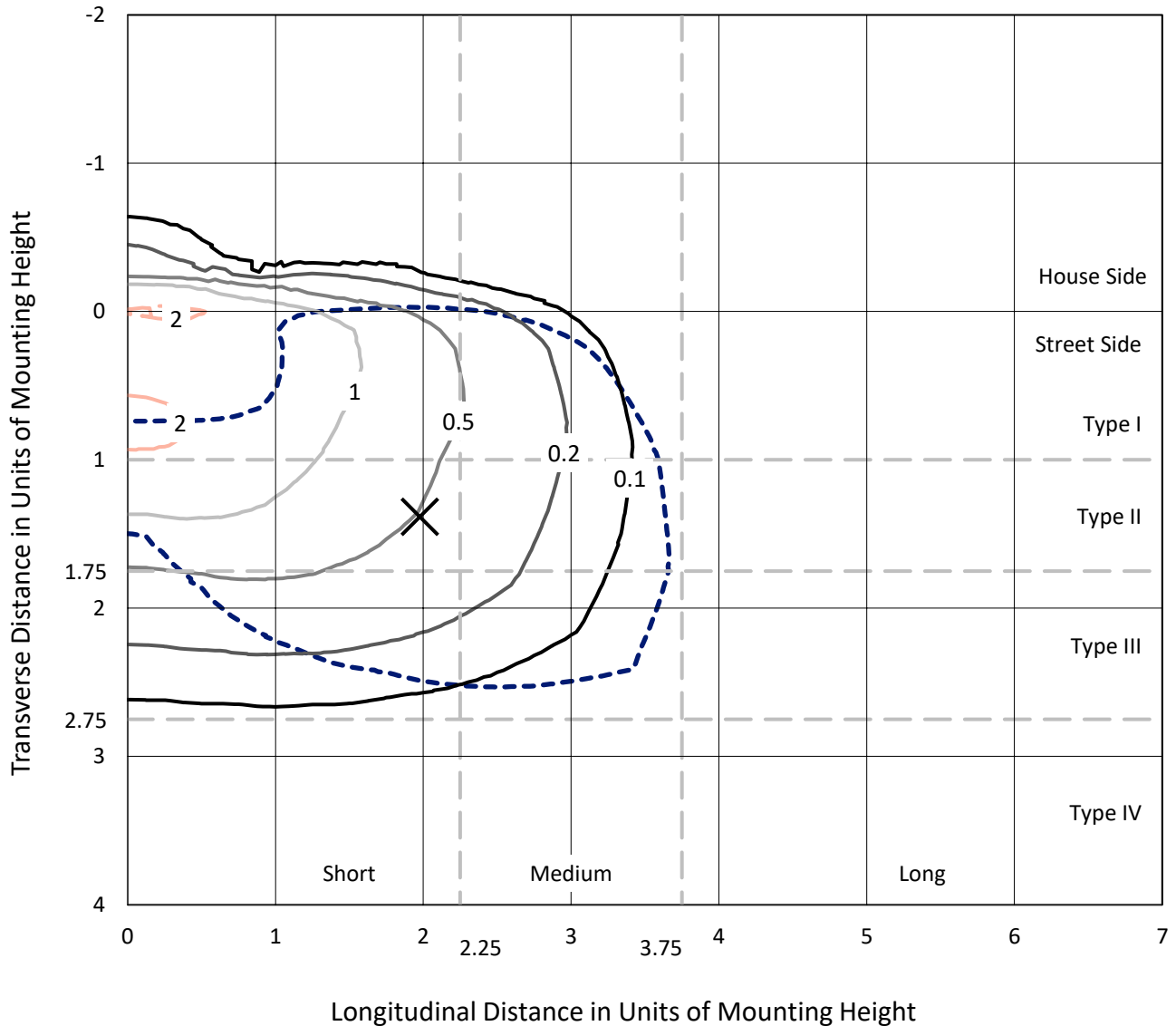
Lumens per Lamp: N/A
Luminaire Lumens: 2701.5 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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: P674692
 CATALOG NUMBER: CCP-SA-1B-735-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

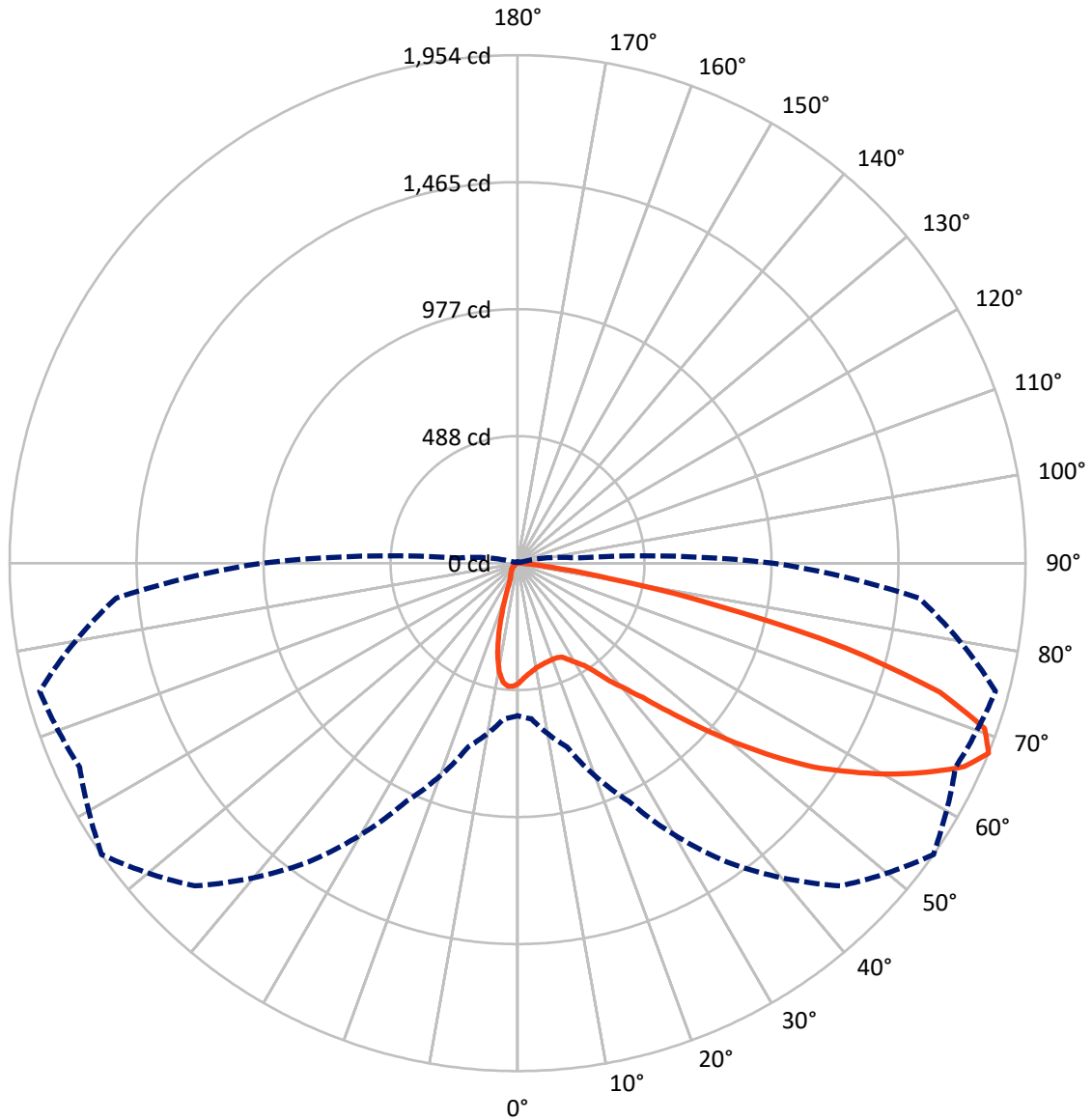
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

REPORT NUMBER: P674692
CATALOG NUMBER: CCP-SA-1B-735-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674692
 CATALOG NUMBER: CCP-SA-1B-735-U-T3R-HSS

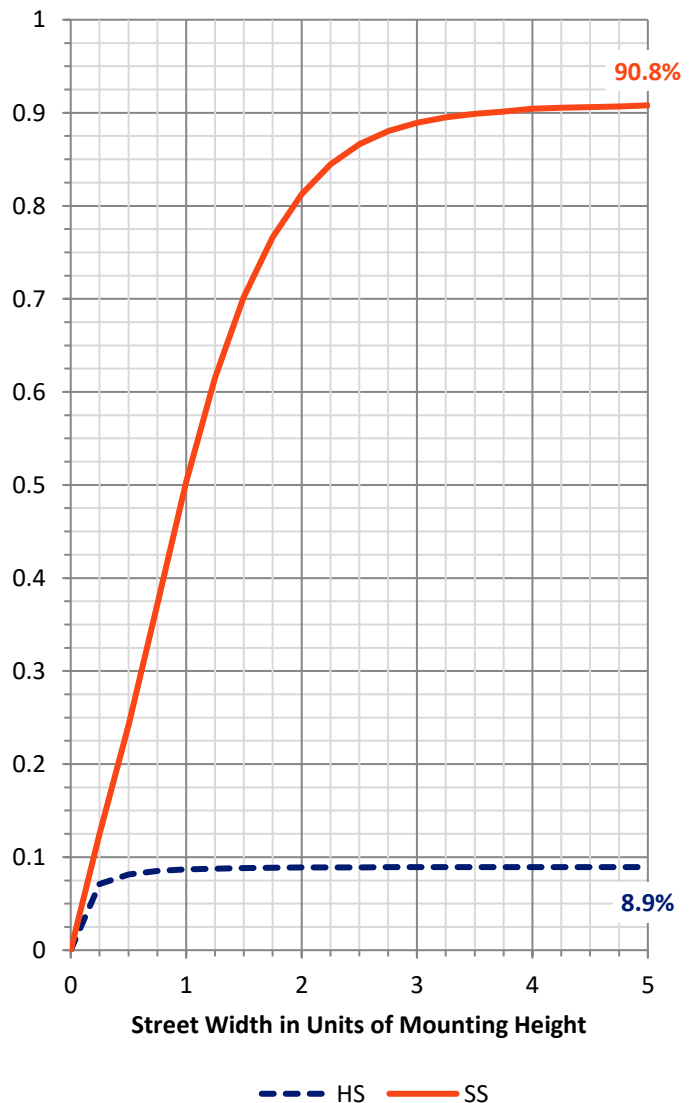
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	242.7	0.0	242.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2458.8	0.0	2458.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	2701.5	0.0	2701.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	1.5
10°-20°	92.5	3.4
20°-30°	148.4	5.5
30°-40°	257.4	9.5
40°-50°	429.2	15.9
50°-60°	627.7	23.2
60°-70°	731.9	27.1
70°-80°	355.2	13.1
80°-90°	18.6	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°	2701.5	100.0
0°-180°	2701.5	100.0



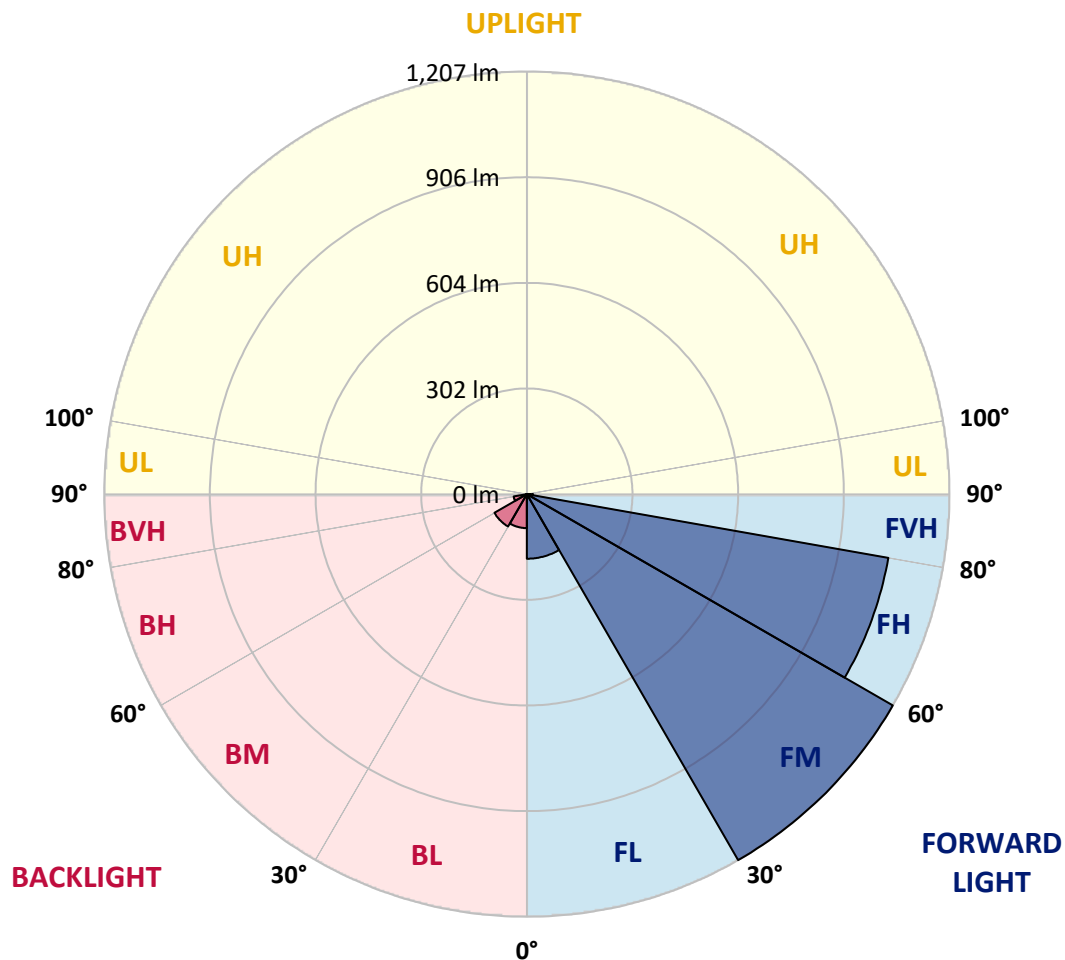
REPORT NUMBER: P674692
 CATALOG NUMBER: CCP-SA-1B-735-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.5	6.8			
FM (30°-60°)	1207.5	44.7			
FH (60°-80°)	1048.8	38.8			G1/1800
FVH (80°-90°)	18.0	0.7			G1/100
BL (0°-30°)	97.0	3.6	B0/110		
BM (30°-60°)	106.8	4.0	B0/220		
BH (60°-80°)	38.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	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: P674692

CATALOG NUMBER: CCP-SA-1B-735-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0
2.5°	427.4	430.1	433.6	434.8	439.1	445.0	443.3	442.1	448.8	458.0	461.0
5°	400.7	401.0	406.5	410.4	417.7	423.4	429.6	429.1	441.3	457.0	466.9
7.5°	374.6	375.1	380.8	387.0	397.5	408.7	418.2	417.7	437.3	458.2	477.1
10°	340.3	342.7	349.7	360.7	377.1	394.8	408.0	409.2	432.8	463.0	491.1
12.5°	312.6	313.9	321.6	335.8	355.2	378.3	403.0	402.2	433.8	471.7	509.3
15°	300.9	300.2	304.9	315.4	337.5	366.6	398.0	399.7	437.3	481.6	528.2
17.5°	303.7	302.9	305.4	309.1	324.8	356.9	395.3	398.2	442.8	492.1	545.8
20°	334.0	328.8	324.3	320.3	322.6	349.0	393.5	396.8	446.0	500.0	564.5
22.5°	392.5	386.0	374.1	351.9	337.3	349.5	394.0	398.2	453.3	513.0	587.2
25°	487.8	481.6	456.0	410.7	371.9	367.4	400.7	405.2	469.9	532.7	611.3
27.5°	614.0	600.1	569.0	504.0	429.1	396.0	420.9	425.9	493.6	547.8	627.7
30°	718.8	715.6	685.7	606.1	508.0	438.1	443.5	446.3	504.3	557.0	644.2
32.5°	827.6	820.9	793.5	716.1	599.6	498.1	468.9	470.2	518.2	570.7	668.1
35°	922.2	916.0	893.1	817.9	706.6	578.7	511.0	508.3	547.1	600.9	700.4
37.5°	1009.8	1009.1	988.9	912.2	802.7	662.3	573.0	570.7	592.1	634.0	744.2
40°	1095.4	1093.4	1076.3	1006.3	897.3	745.7	632.0	626.2	630.5	680.3	802.0
42.5°	1147.9	1152.2	1158.1	1113.8	1009.6	843.5	706.6	703.2	702.4	752.7	877.9
45°	1176.3	1183.8	1218.9	1214.9	1128.5	965.2	812.9	804.0	801.0	852.2	964.7
47.5°	1203.9	1207.2	1264.7	1288.8	1242.5	1092.2	941.4	928.9	916.7	973.7	1068.5
50°	1205.7	1210.9	1282.1	1340.8	1338.1	1217.1	1085.5	1074.5	1060.6	1121.6	1169.8
52.5°	1181.3	1191.7	1279.9	1373.7	1397.3	1327.4	1235.1	1226.1	1214.6	1260.2	1255.2
55°	1012.8	1030.5	1236.1	1376.7	1438.9	1422.0	1385.4	1372.9	1361.7	1394.1	1338.8
57.5°	932.6	942.6	1103.1	1374.4	1491.9	1509.6	1515.8	1510.1	1494.4	1534.7	1426.2
60°	884.6	899.0	1039.7	1349.6	1549.2	1608.7	1647.7	1636.3	1617.1	1672.6	1519.8
62.5°	827.1	837.6	976.4	1277.9	1583.3	1709.5	1771.4	1761.0	1721.4	1799.8	1595.5
65°	721.1	736.8	875.9	1165.1	1537.5	1783.4	1887.9	1884.4	1815.7	1895.9	1616.1
67.5°	586.9	601.1	730.8	1010.5	1403.6	1755.8	1953.9	1942.9	1858.6	1903.1	1550.7
70°	440.6	448.3	546.1	772.1	1149.9	1608.2	1906.1	1903.9	1793.6	1796.1	1349.8
72.5°	236.5	257.9	363.1	516.7	808.7	1302.5	1698.8	1689.8	1600.2	1471.0	970.7
75°	82.6	88.9	193.4	290.2	439.3	867.7	1306.2	1285.3	1196.7	956.8	528.9
77.5°	50.8	55.8	85.9	148.3	171.0	376.6	784.8	757.7	700.4	413.7	180.7
80°	35.1	39.6	57.5	77.7	58.2	122.0	361.2	351.0	270.1	98.6	41.6
82.5°	19.7	23.6	43.6	38.1	23.4	31.6	125.2	116.0	71.9	26.6	13.9
85°	11.4	13.7	30.6	26.9	11.9	11.2	32.6	29.1	18.7	10.0	6.7
87.5°	6.0	7.7	22.4	17.9	7.2	4.0	7.5	7.2	4.7	3.5	4.5
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: P674692
 CATALOG NUMBER: CCP-SA-1B-735-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0
2.5°	466.4	465.2	471.7	473.9	473.4	472.4	474.9	471.7	471.4	470.7	469.9
5°	474.9	476.9	482.1	482.1	475.2	463.7	456.7	447.3	439.3	434.6	433.8
7.5°	487.6	491.6	495.1	484.4	460.5	432.1	402.0	378.3	357.7	347.0	346.0
10°	505.5	509.3	506.5	475.9	424.6	365.9	316.9	267.6	242.9	229.5	229.5
12.5°	526.9	529.9	513.2	454.7	365.6	280.5	215.1	163.3	138.6	122.7	121.7
15°	550.1	550.8	512.2	417.9	292.7	188.4	123.5	90.6	80.1	77.9	77.4
17.5°	570.2	567.3	501.8	363.4	210.8	112.3	78.4	70.9	68.9	68.9	68.9
20°	589.2	579.2	480.9	299.9	135.2	76.4	67.5	65.5	65.5	65.7	65.7
22.5°	610.1	590.4	451.0	229.5	86.9	65.5	63.2	62.2	62.0	62.7	62.5
25°	634.7	601.3	408.2	158.6	67.2	61.0	60.0	59.0	59.0	59.0	59.0
27.5°	648.4	599.9	359.4	100.1	58.7	56.5	55.5	54.5	53.8	53.5	53.8
30°	660.3	591.1	295.7	69.9	53.0	50.5	49.8	48.5	47.0	46.5	46.5
32.5°	676.0	583.9	229.0	56.3	48.0	45.3	43.1	41.1	38.6	37.6	37.3
35°	693.4	570.7	167.8	49.5	43.6	40.1	36.6	33.4	30.1	29.1	28.9
37.5°	715.1	558.8	113.7	45.8	39.8	35.6	30.9	26.4	23.4	22.9	22.9
40°	744.5	548.8	78.7	42.6	36.3	31.4	25.6	20.9	18.9	18.4	18.4
42.5°	784.5	540.6	59.5	39.8	33.4	27.1	20.7	17.2	15.7	15.2	15.2
45°	831.8	527.9	50.3	37.3	30.4	22.9	17.2	14.4	13.7	13.7	13.7
47.5°	886.1	512.0	45.8	34.8	27.1	18.7	14.4	13.2	12.9	12.9	13.2
50°	940.9	493.1	42.6	31.9	23.4	15.9	13.2	12.4	12.4	12.7	12.7
52.5°	977.9	463.5	39.3	28.6	19.7	13.9	12.4	12.2	11.9	11.9	11.9
55°	1014.0	437.6	34.8	25.1	16.4	12.9	11.9	11.7	11.7	11.4	11.4
57.5°	1051.6	417.2	29.1	20.9	13.9	12.2	11.4	11.4	11.0	10.7	10.7
60°	1095.2	399.2	22.4	16.4	12.2	11.4	10.7	10.5	10.0	9.5	9.5
62.5°	1107.9	361.4	16.9	13.2	10.5	10.0	9.7	9.2	8.0	7.0	7.2
65°	1074.8	301.9	13.4	10.5	8.5	8.5	7.7	6.5	5.2	4.5	4.5
67.5°	983.4	225.5	11.0	8.2	6.7	6.5	5.5	4.7	3.2	2.7	2.7
70°	810.4	149.1	9.0	6.5	5.5	4.5	3.7	3.5	2.5	2.0	2.0
72.5°	568.0	80.9	7.5	5.2	4.0	3.0	2.5	2.2	1.7	1.5	1.2
75°	299.9	31.1	6.0	4.0	2.5	2.0	1.5	1.5	1.2	1.0	1.0
77.5°	102.8	13.2	4.2	2.2	1.7	1.2	1.0	0.7	1.0	0.7	0.7
80°	24.4	7.7	2.7	1.5	1.0	0.7	0.7	0.5	0.5	0.5	0.5
82.5°	10.7	4.5	1.7	1.0	1.0	0.7	0.5	0.2	0.2	0.2	0.2
85°	7.2	2.7	1.2	1.0	0.7	0.5	0.2	0.2	0.0	0.0	0.0
87.5°	5.7	1.7	1.0	1.0	0.7	0.5	0.2	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)