

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: P674738

Luminaire Tested: **CCP-SA-1D-827-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674738  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-827-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

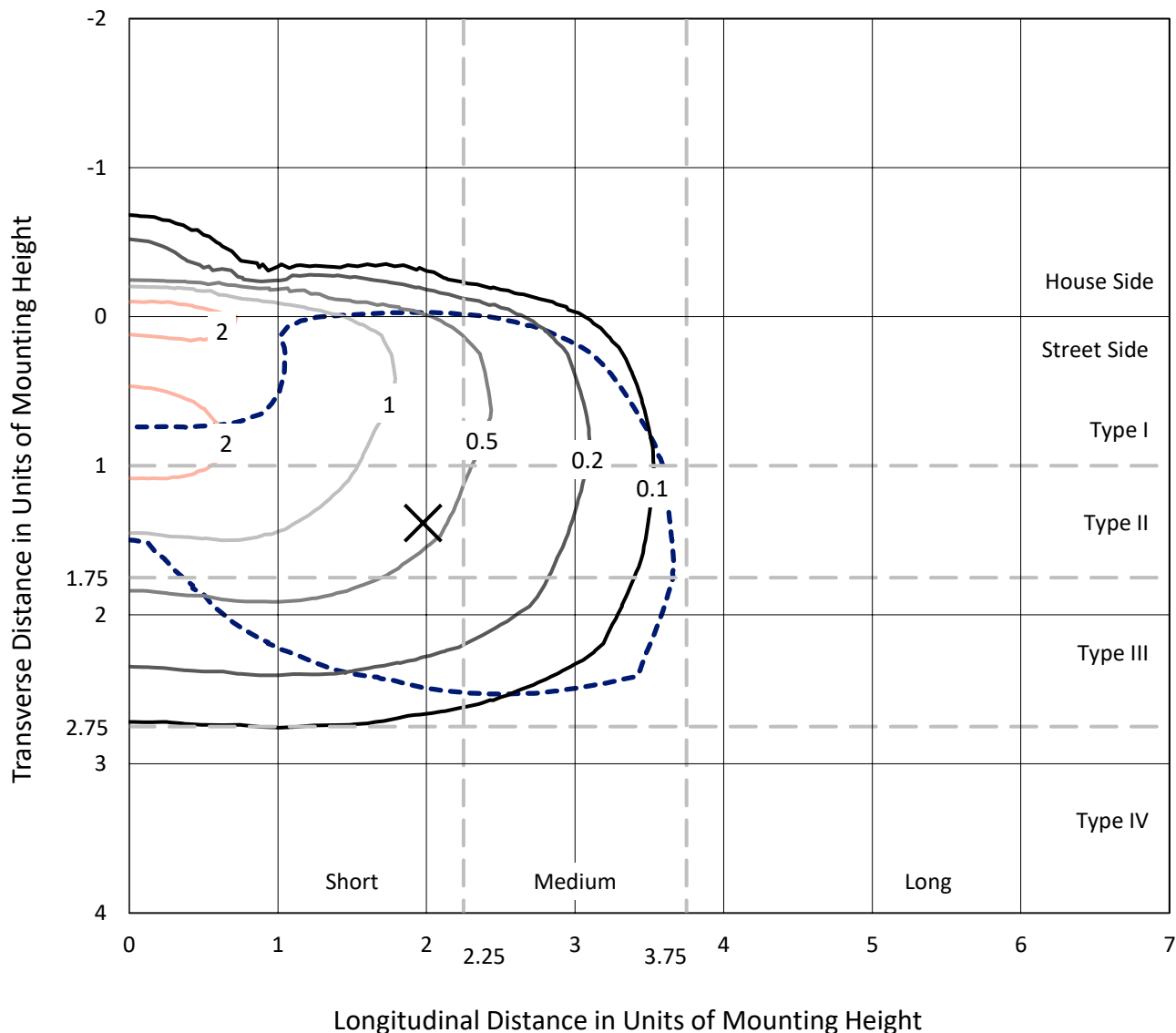
Lumens per Lamp: N/A  
Luminaire Lumens: 3251.4 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P674738  
 CATALOG NUMBER: CCP-SA-1D-827-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

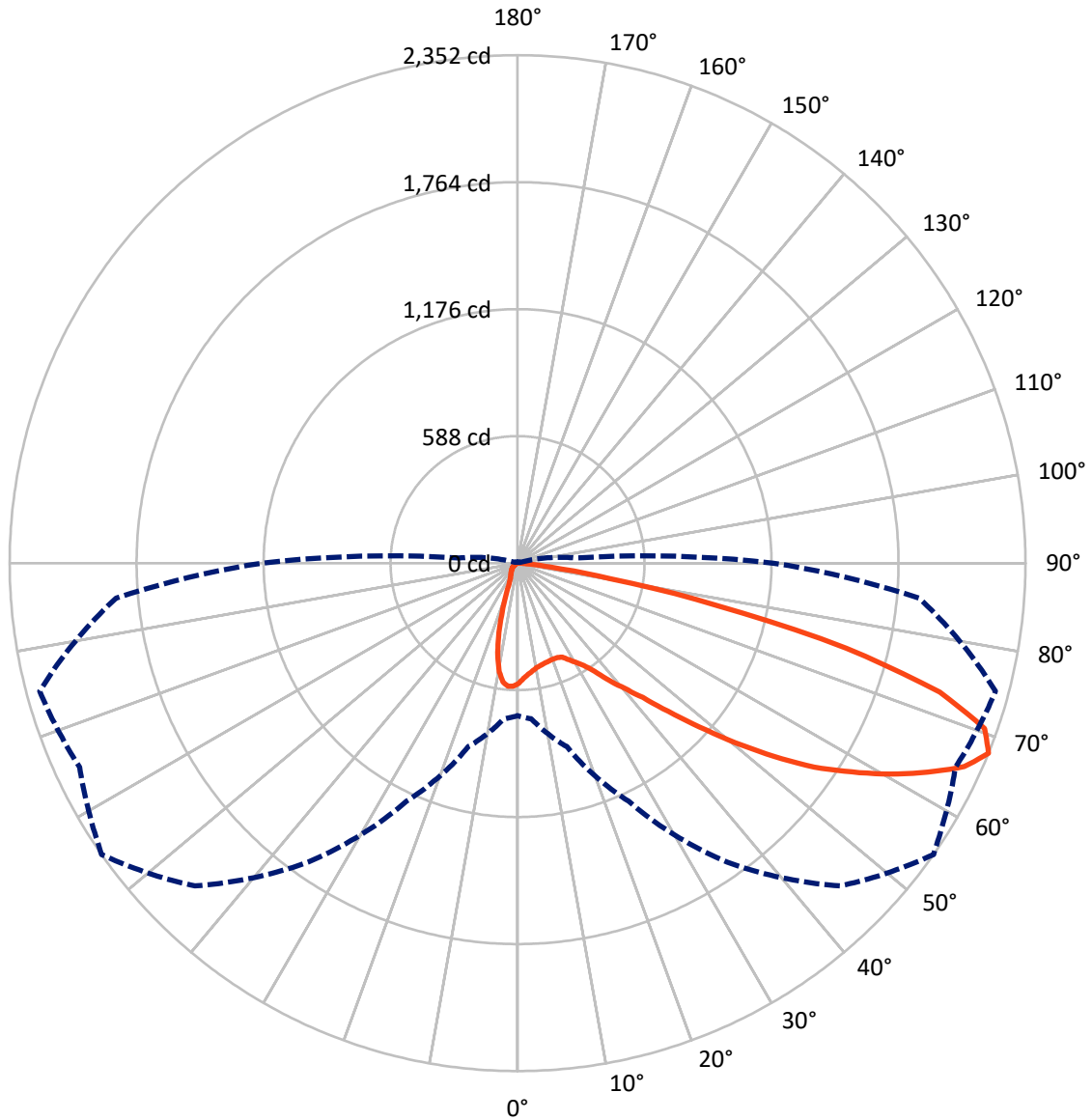
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P674738  
CATALOG NUMBER: CCP-SA-1D-827-U-T3R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674738

CATALOG NUMBER: CCP-SA-1D-827-U-T3R-HSS

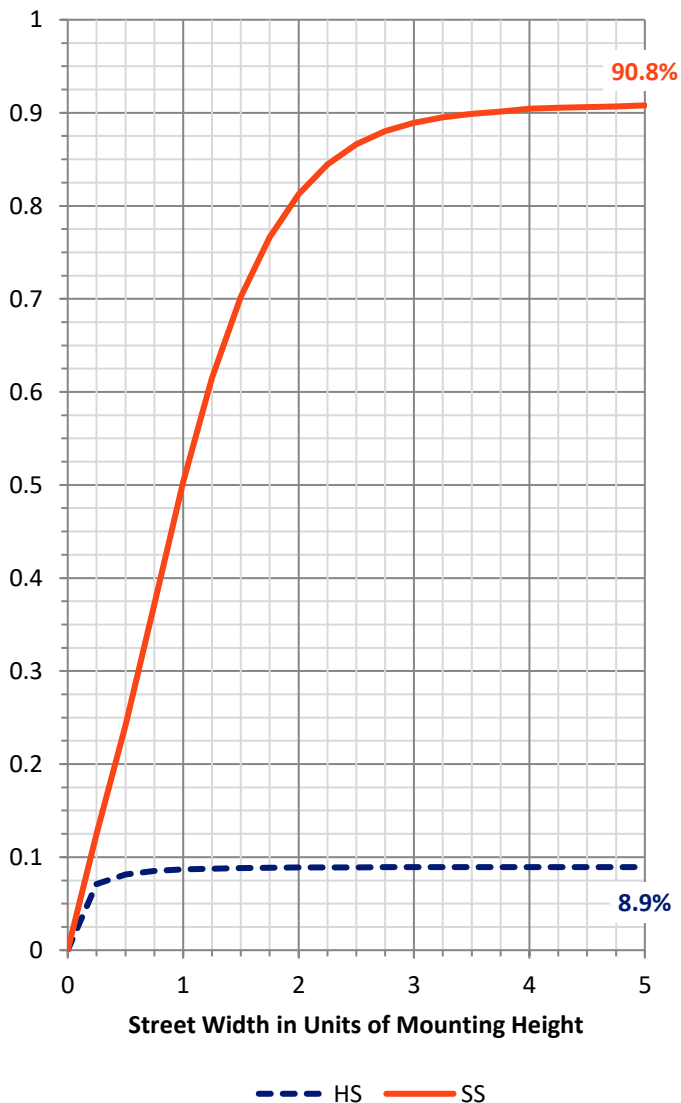
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	292.1	0.0	292.1
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	2959.3	0.0	2959.3
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	3251.4	0.0	3251.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.9	1.5
10°-20°	111.3	3.4
20°-30°	178.6	5.5
30°-40°	309.8	9.5
40°-50°	516.6	15.9
50°-60°	755.4	23.2
60°-70°	880.8	27.1
70°-80°	427.5	13.1
80°-90°	22.4	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°	3251.4	100.0
0°-180°	3251.4	100.0



REPORT NUMBER: P674738

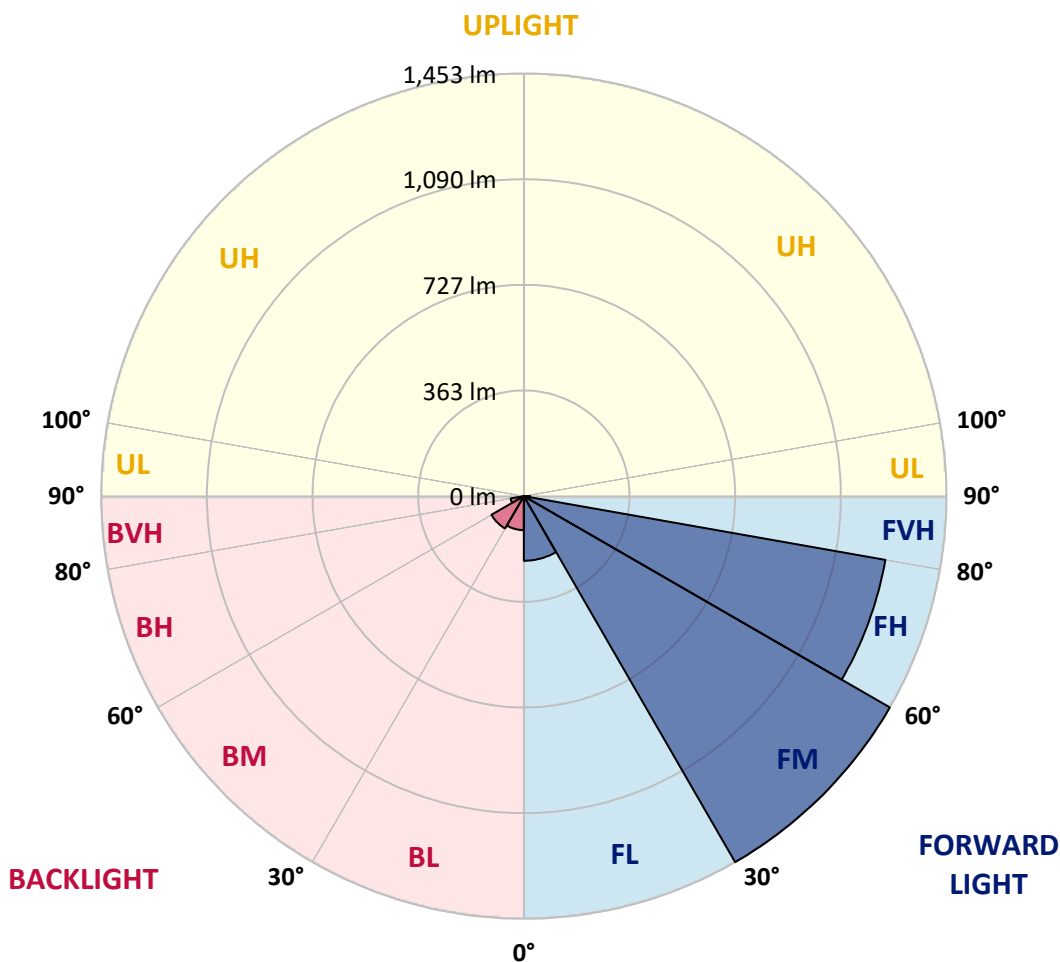
CATALOG NUMBER: CCP-SA-1D-827-U-T3R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.1	6.8			
FM (30°-60°)	1453.2	44.7			
FH (60°-80°)	1262.2	38.8			G1/1800
FVH (80°-90°)	21.7	0.7			G1/100
BL (0°-30°)	116.8	3.6	B1/500		
BM (30°-60°)	128.6	4.0	B0/220		
BH (60°-80°)	46.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





REPORT NUMBER: P674738

CATALOG NUMBER: CCP-SA-1D-827-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	514.3	517.6	521.8	523.3	528.4	535.6	533.5	532.0	540.1	551.2	554.8
5°	482.3	482.6	489.2	494.0	502.7	509.6	517.0	516.4	531.1	550.0	562.0
7.5°	450.8	451.4	458.3	465.8	478.4	491.9	503.3	502.7	526.3	551.5	574.3
10°	409.5	412.5	420.9	434.1	453.8	475.1	491.0	492.5	520.9	557.2	591.0
12.5°	376.3	377.7	387.0	404.1	427.5	455.3	485.0	484.1	522.1	567.7	612.9
15°	362.2	361.3	367.0	379.5	406.2	441.3	479.0	481.1	526.3	579.7	635.7
17.5°	365.5	364.6	367.6	372.1	390.9	429.6	475.7	479.3	532.9	592.2	656.9
20°	402.0	395.7	390.3	385.5	388.2	420.0	473.6	477.5	536.8	601.8	679.4
22.5°	472.4	464.6	450.2	423.6	405.9	420.6	474.2	479.3	545.5	617.4	706.7
25°	587.1	579.7	548.8	494.3	447.5	442.2	482.3	487.7	565.6	641.1	735.7
27.5°	739.0	722.2	684.8	606.6	516.4	476.6	506.6	512.6	594.0	659.3	755.5
30°	865.1	861.2	825.3	729.4	611.4	527.2	533.8	537.1	606.9	670.4	775.3
32.5°	996.0	988.0	955.0	861.8	721.6	599.4	564.4	565.9	623.7	686.9	804.0
35°	1109.9	1102.4	1074.8	984.4	850.5	696.5	615.0	611.7	658.4	723.1	843.0
37.5°	1215.3	1214.4	1190.2	1097.9	966.1	797.1	689.6	686.9	712.7	763.0	895.7
40°	1318.4	1316.0	1295.3	1211.1	1079.9	897.5	760.6	753.7	758.8	818.7	965.2
42.5°	1381.6	1386.7	1393.9	1340.5	1215.0	1015.2	850.5	846.3	845.4	905.9	1056.6
45°	1415.7	1424.7	1467.0	1462.2	1358.2	1161.7	978.4	967.6	964.0	1025.7	1161.1
47.5°	1449.0	1452.9	1522.1	1551.1	1495.4	1314.5	1132.9	1118.0	1103.3	1171.9	1286.0
50°	1451.1	1457.4	1543.0	1613.7	1610.4	1464.9	1306.4	1293.2	1276.4	1349.8	1407.9
52.5°	1421.7	1434.3	1540.4	1653.3	1681.7	1597.6	1486.4	1475.6	1461.9	1516.7	1510.7
55°	1218.9	1240.2	1487.6	1656.9	1731.8	1711.4	1667.4	1652.4	1638.9	1677.8	1611.3
57.5°	1122.5	1134.4	1327.7	1654.2	1795.6	1816.8	1824.3	1817.4	1798.6	1847.1	1716.5
60°	1064.6	1082.0	1251.3	1624.2	1864.5	1936.1	1983.1	1969.3	1946.3	2013.1	1829.1
62.5°	995.4	1008.0	1175.2	1538.0	1905.5	2057.4	2132.0	2119.4	2071.8	2166.1	1920.2
65°	867.8	886.7	1054.2	1402.3	1850.4	2146.4	2272.2	2268.0	2185.3	2281.8	1945.1
67.5°	706.4	723.4	879.5	1216.2	1689.2	2113.1	2351.6	2338.4	2236.8	2290.5	1866.3
70°	530.2	539.5	657.2	929.2	1384.0	1935.5	2294.0	2291.4	2158.6	2161.6	1624.5
72.5°	284.6	310.3	437.1	621.9	973.3	1567.6	2044.5	2033.7	1925.9	1770.4	1168.3
75°	99.5	106.9	232.8	349.3	528.7	1044.3	1572.1	1546.9	1440.3	1151.5	636.6
77.5°	61.1	67.1	103.3	178.5	205.8	453.2	944.5	911.9	843.0	497.9	217.5
80°	42.2	47.6	69.2	93.5	70.1	146.8	434.7	422.4	325.0	118.6	50.0
82.5°	23.7	28.5	52.4	45.8	28.2	38.0	150.7	139.6	86.6	32.1	16.8
85°	13.8	16.5	36.8	32.4	14.4	13.5	39.2	35.0	22.5	12.0	8.1
87.5°	7.2	9.3	27.0	21.6	8.7	4.8	9.0	8.7	5.7	4.2	5.4
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: P674738  
 CATALOG NUMBER: CCP-SA-1D-827-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	561.4	559.9	567.7	570.4	569.8	568.6	571.6	567.7	567.4	566.5	565.6
5°	571.6	574.0	580.3	580.3	571.9	558.1	549.7	538.3	528.7	523.0	522.1
7.5°	586.8	591.6	595.8	582.9	554.2	520.0	483.8	455.3	430.5	417.6	416.4
10°	608.4	612.9	609.6	572.8	511.1	440.4	381.3	322.0	292.4	276.2	276.2
12.5°	634.2	637.8	617.7	547.3	440.1	337.6	258.8	196.5	166.9	147.7	146.5
15°	662.0	662.9	616.5	503.0	352.3	226.8	148.6	109.0	96.5	93.8	93.2
17.5°	686.3	682.7	603.9	437.4	253.7	135.1	94.4	85.4	83.0	83.0	83.0
20°	709.1	697.1	578.8	361.0	162.7	92.0	81.2	78.8	78.8	79.1	79.1
22.5°	734.2	710.6	542.8	276.2	104.5	78.8	76.1	74.9	74.6	75.5	75.2
25°	763.9	723.7	491.3	190.8	80.9	73.4	72.2	71.0	71.0	71.0	71.0
27.5°	780.4	721.9	432.6	120.4	70.7	68.0	66.8	65.6	64.7	64.4	64.7
30°	794.7	711.5	355.9	84.2	63.8	60.8	59.9	58.4	56.6	56.0	56.0
32.5°	813.6	702.8	275.6	67.7	57.8	54.5	51.8	49.4	46.4	45.2	44.9
35°	834.6	686.9	201.9	59.6	52.4	48.2	44.0	40.1	36.2	35.0	34.7
37.5°	860.6	672.5	136.9	55.1	47.9	42.8	37.1	31.8	28.2	27.6	27.6
40°	896.0	660.5	94.7	51.2	43.7	37.7	30.9	25.2	22.8	22.2	22.2
42.5°	944.2	650.6	71.6	47.9	40.1	32.7	24.9	20.7	18.9	18.3	18.3
45°	1001.1	635.4	60.5	44.9	36.5	27.6	20.7	17.4	16.5	16.5	16.5
47.5°	1066.4	616.2	55.1	41.9	32.7	22.5	17.4	15.9	15.6	15.6	15.9
50°	1132.3	593.4	51.2	38.3	28.2	19.2	15.9	15.0	15.0	15.3	15.3
52.5°	1177.0	557.8	47.3	34.4	23.7	16.8	15.0	14.7	14.4	14.4	14.4
55°	1220.4	526.6	41.9	30.3	19.8	15.6	14.4	14.1	14.1	13.8	13.8
57.5°	1265.7	502.1	35.0	25.2	16.8	14.7	13.8	13.8	13.2	12.9	12.9
60°	1318.1	480.5	27.0	19.8	14.7	13.8	12.9	12.6	12.0	11.4	11.4
62.5°	1333.4	435.0	20.4	15.9	12.6	12.0	11.7	11.1	9.6	8.4	8.7
65°	1293.5	363.4	16.2	12.6	10.2	10.2	9.3	7.8	6.3	5.4	5.4
67.5°	1183.6	271.4	13.2	9.9	8.1	7.8	6.6	5.7	3.9	3.3	3.3
70°	975.4	179.4	10.8	7.8	6.6	5.4	4.5	4.2	3.0	2.4	2.4
72.5°	683.6	97.4	9.0	6.3	4.8	3.6	3.0	2.7	2.1	1.8	1.5
75°	361.0	37.4	7.2	4.8	3.0	2.4	1.8	1.8	1.5	1.2	1.2
77.5°	123.7	15.9	5.1	2.7	2.1	1.5	1.2	0.9	1.2	0.9	0.9
80°	29.4	9.3	3.3	1.8	1.2	0.9	0.9	0.6	0.6	0.6	0.6
82.5°	12.9	5.4	2.1	1.2	1.2	0.9	0.6	0.3	0.3	0.3	0.3
85°	8.7	3.3	1.5	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0
87.5°	6.9	2.1	1.2	1.2	0.9	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)