

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: P674530

Luminaire Tested: **CCP-SA-1F-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674530
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

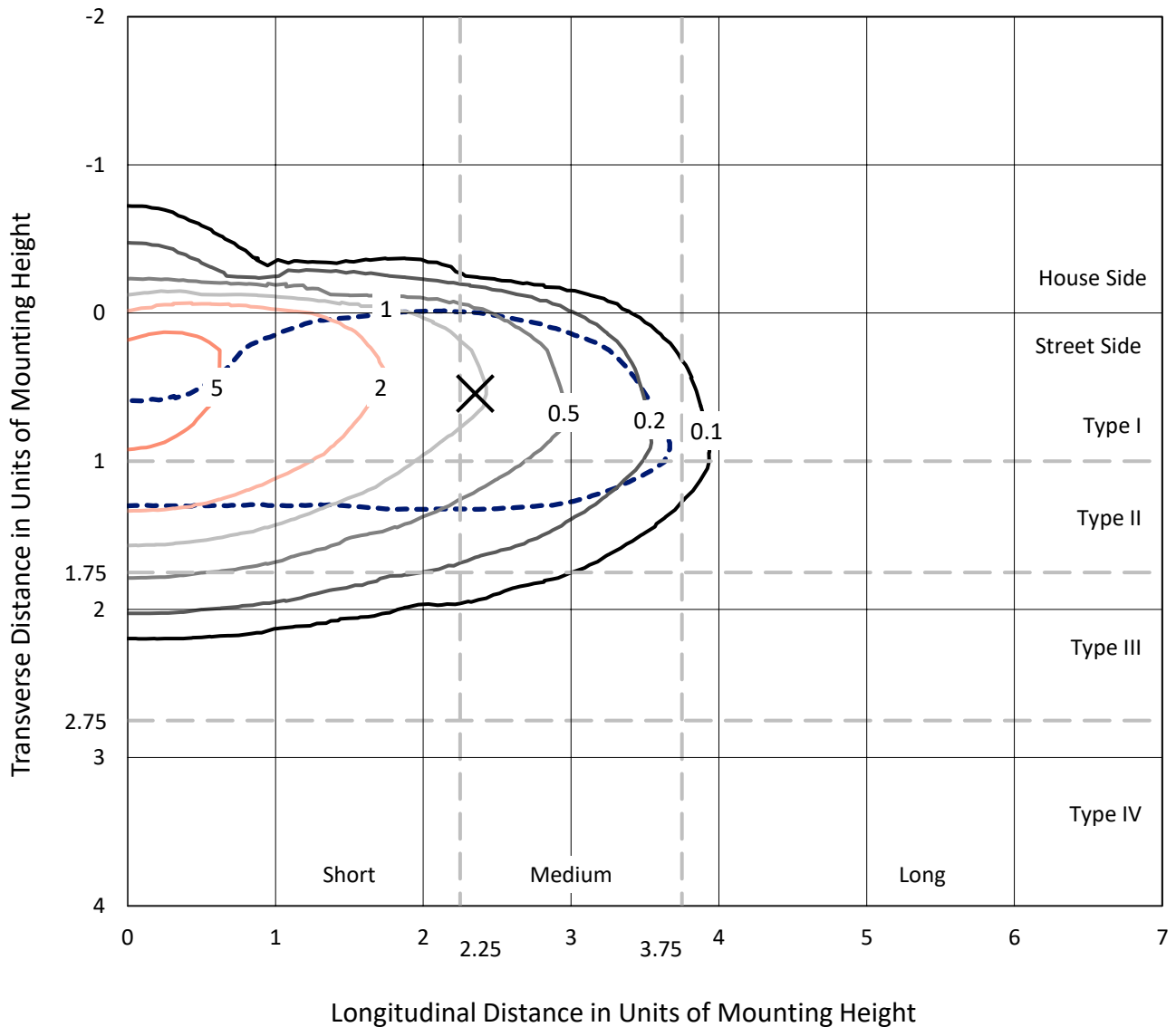
Lumens per Lamp: N/A
Luminaire Lumens: 5077.1 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 67
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

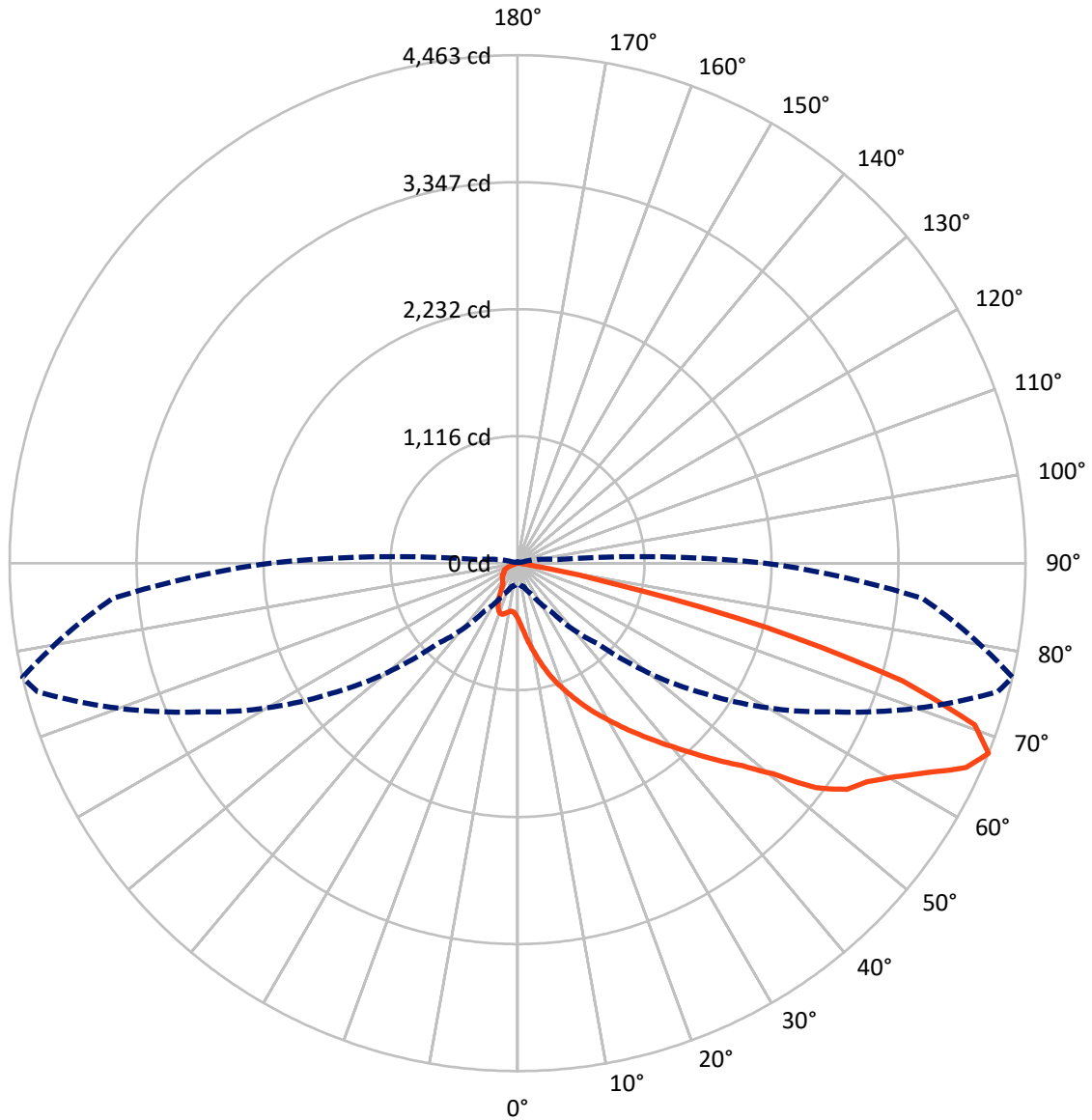
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 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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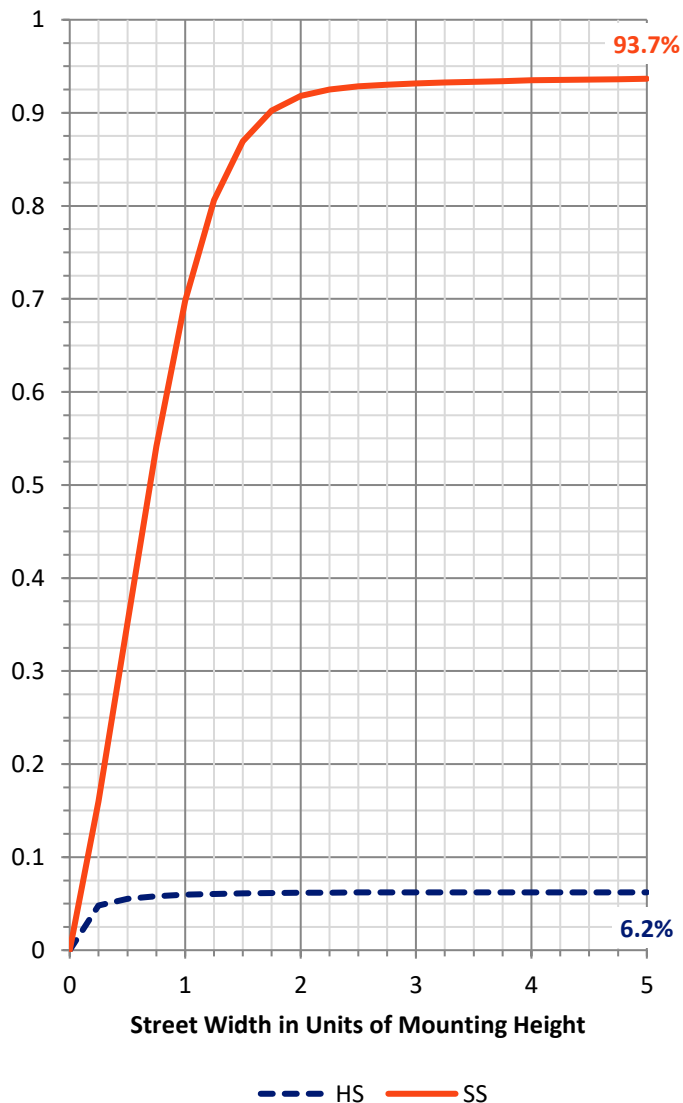
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	317.3	0.0	317.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4759.8	0.0	4759.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	5077.1	0.0	5077.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.1
10°-20°	211.3	4.2
20°-30°	412.9	8.1
30°-40°	721.9	14.2
40°-50°	1052.8	20.7
50°-60°	1231.1	24.2
60°-70°	998.0	19.7
70°-80°	374.9	7.4
80°-90°	17.0	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°	5077.1	100.0
0°-180°	5077.1	100.0

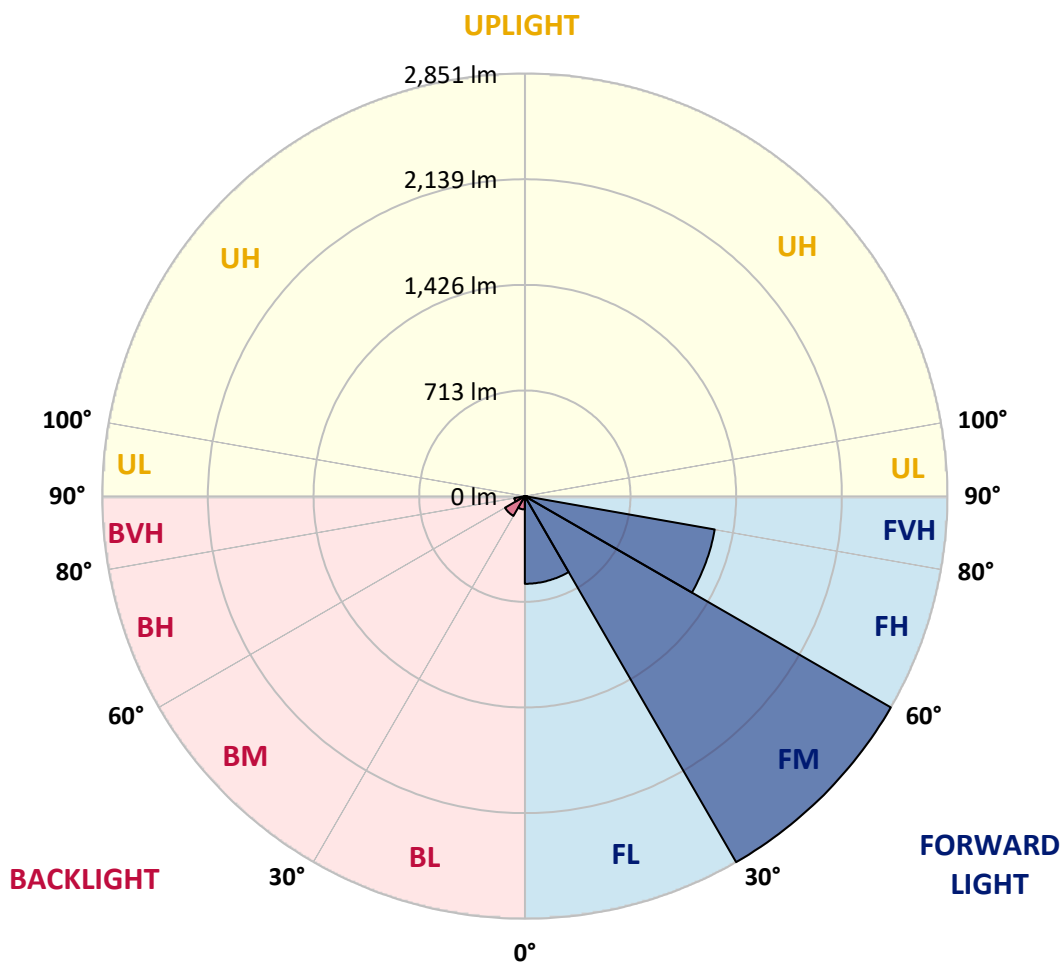


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.4	11.6			
FM (30°-60°)	2851.4	56.2			
FH (60°-80°)	1300.9	25.6			G1/1800
FVH (80°-90°)	16.1	0.3			G1/100
BL (0°-30°)	90.0	1.8	B0/110		
BM (30°-60°)	154.4	3.0	B0/220		
BH (60°-80°)	71.9	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
2.5°	730.1	703.5	708.6	697.6	683.4	650.4	615.5	580.7	549.5	542.7	511.5
5°	935.0	926.7	918.0	910.7	880.9	839.7	776.9	697.1	625.2	612.8	548.2
7.5°	1094.0	1081.7	1089.5	1067.0	1035.8	996.0	916.2	831.0	720.0	701.7	601.3
10°	1211.4	1204.5	1208.2	1197.6	1182.5	1142.6	1063.8	957.0	828.7	793.8	660.9
12.5°	1299.4	1300.7	1316.8	1317.7	1305.3	1272.8	1189.4	1078.0	927.2	896.0	726.9
15°	1363.5	1364.9	1384.6	1405.7	1419.9	1403.0	1327.3	1202.7	1043.2	1000.5	796.1
17.5°	1374.1	1375.0	1409.8	1452.5	1496.4	1511.1	1452.9	1326.4	1149.0	1100.5	875.4
20°	1381.0	1388.7	1419.9	1469.0	1538.6	1584.0	1552.4	1445.1	1251.7	1195.3	953.3
22.5°	1464.4	1464.4	1482.7	1517.5	1573.0	1644.0	1637.6	1554.2	1351.6	1295.7	1030.8
25°	1641.3	1641.3	1623.4	1614.2	1644.0	1699.9	1716.0	1670.6	1465.7	1399.7	1112.4
27.5°	1875.5	1875.5	1847.5	1780.2	1754.5	1777.9	1794.8	1771.9	1571.2	1506.1	1198.5
30°	2118.4	2126.7	2078.1	1992.4	1902.5	1884.7	1868.2	1863.1	1683.4	1610.1	1286.1
32.5°	2362.2	2361.3	2300.8	2194.0	2076.7	2013.4	1959.8	1953.9	1802.6	1730.7	1369.0
35°	2557.0	2557.5	2493.8	2384.2	2248.6	2167.9	2081.7	2053.8	1933.2	1853.0	1468.0
37.5°	2725.7	2716.1	2647.3	2543.3	2416.8	2333.4	2226.1	2153.2	2068.4	1986.9	1567.0
40°	2822.4	2809.6	2742.7	2643.7	2547.9	2484.2	2389.7	2273.3	2216.9	2128.9	1679.8
42.5°	2836.6	2825.6	2781.2	2721.6	2643.2	2587.3	2562.1	2409.0	2372.8	2293.0	1814.5
45°	2796.7	2778.9	2764.2	2733.0	2711.0	2684.0	2718.4	2553.4	2551.5	2472.2	1947.9
47.5°	2697.7	2673.4	2677.1	2711.5	2736.2	2760.5	2867.8	2742.7	2731.7	2657.4	2123.0
50°	2528.6	2516.7	2557.0	2624.9	2722.9	2820.1	3016.7	2936.1	2979.6	2909.9	2364.5
52.5°	2184.9	2199.5	2320.1	2483.2	2652.8	2848.1	3156.5	3224.8	3336.2	3278.9	2607.4
55°	1772.4	1766.9	1927.7	2217.4	2488.3	2830.2	3217.5	3394.9	3569.9	3509.9	2742.7
57.5°	1427.7	1437.3	1545.9	1832.4	2209.2	2692.2	3231.7	3483.8	3663.9	3624.0	2867.8
60°	1071.6	1080.7	1179.7	1429.1	1837.9	2404.4	3114.4	3514.9	3840.4	3810.1	3067.6
62.5°	682.0	693.9	793.4	1035.8	1404.8	1957.1	2850.8	3482.4	4024.6	4049.8	3340.3
65°	335.5	346.0	419.4	605.0	939.1	1463.5	2483.2	3358.2	4259.3	4331.2	3558.9
67.5°	185.6	190.7	215.9	308.0	523.9	1003.7	1995.6	3092.8	4367.0	4463.2	3573.6
70°	144.4	145.7	155.4	179.7	255.3	589.0	1419.5	2651.0	4143.8	4260.2	3276.1
72.5°	121.5	123.3	127.9	136.1	159.5	306.6	891.9	2048.7	3486.5	3539.2	2534.6
75°	88.9	91.7	104.5	111.8	126.0	186.1	393.2	1231.1	2304.0	2252.2	1418.1
77.5°	74.7	77.0	80.2	90.7	104.0	127.0	138.0	516.1	937.7	815.4	372.2
80°	50.9	53.6	62.3	67.8	88.0	83.9	57.3	138.4	188.4	153.5	71.5
82.5°	36.2	38.5	43.1	55.5	63.7	44.5	31.2	42.2	45.4	43.1	23.4
85°	11.5	14.7	31.2	45.8	34.4	15.1	19.7	16.0	14.2	13.7	9.2
87.5°	2.3	2.3	15.6	18.3	13.7	7.8	6.9	5.0	6.4	6.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
2.5°	496.8	476.2	446.4	418.5	390.0	369.9	355.7	341.5	336.0	333.7	327.7
5°	518.8	479.4	420.3	372.6	337.8	315.8	302.5	291.0	283.7	281.4	278.2
7.5°	550.5	493.6	408.8	353.8	319.0	295.2	273.6	248.9	229.2	221.4	218.2
10°	584.8	515.2	410.7	350.2	303.9	251.6	203.5	163.6	146.2	139.8	135.2
12.5°	635.2	539.0	418.5	346.0	258.5	179.7	130.2	113.7	109.5	108.6	107.7
15°	685.7	572.5	431.3	318.5	193.0	122.4	108.2	102.2	99.9	97.6	97.6
17.5°	736.5	604.5	436.3	264.9	133.4	105.9	98.5	93.5	89.8	88.0	86.6
20°	793.8	638.5	421.7	199.4	106.8	96.7	88.5	82.5	79.3	77.5	76.1
22.5°	855.7	671.9	389.6	138.9	97.2	87.1	79.3	73.3	70.1	68.3	67.8
25°	913.9	700.8	338.2	104.5	87.5	77.9	70.6	65.5	63.2	61.4	61.0
27.5°	974.0	725.5	271.3	92.1	79.7	70.6	63.2	59.1	56.8	55.5	55.0
30°	1032.6	742.5	202.1	84.3	72.9	63.7	57.3	54.1	51.8	50.4	50.0
32.5°	1093.1	752.1	136.6	77.5	66.0	57.7	52.2	49.0	47.7	46.3	46.3
35°	1151.3	750.7	98.5	71.0	60.5	52.2	47.2	44.9	44.5	43.1	43.1
37.5°	1215.0	741.1	83.9	65.1	54.5	47.2	43.1	41.7	41.2	40.3	39.9
40°	1287.5	719.6	76.5	60.5	49.5	43.1	39.4	38.5	38.0	37.1	37.1
42.5°	1366.7	691.6	72.4	55.5	45.4	39.0	36.2	34.8	34.4	33.5	33.5
45°	1458.9	665.0	69.7	50.4	41.7	35.7	33.0	31.6	31.2	30.2	30.2
47.5°	1584.4	649.9	65.1	45.8	37.6	32.5	29.8	28.9	28.0	27.0	27.0
50°	1757.2	632.0	59.1	41.2	34.4	29.3	27.5	26.1	25.7	24.7	24.7
52.5°	1899.3	594.0	53.2	36.7	30.7	27.0	25.2	24.3	23.4	22.9	22.9
55°	1949.3	549.5	47.2	33.0	28.0	25.2	23.4	22.5	22.0	21.5	21.5
57.5°	2029.0	535.3	41.7	29.3	25.2	23.4	21.5	21.1	20.6	20.2	19.7
60°	2165.2	543.6	36.7	26.1	22.9	21.1	19.7	19.2	18.3	17.4	17.4
62.5°	2297.2	533.5	31.2	22.9	19.7	18.8	17.4	16.5	14.7	13.3	12.4
65°	2329.2	466.1	27.0	19.2	16.5	15.6	14.2	12.4	9.6	7.8	7.8
67.5°	2173.9	354.3	23.4	16.5	13.7	12.8	10.1	8.2	6.0	4.6	4.6
70°	1793.9	224.6	19.2	12.8	11.5	8.7	6.4	6.0	4.1	3.7	3.2
72.5°	1294.3	122.8	16.0	10.5	8.2	5.5	4.6	3.7	2.7	1.8	1.8
75°	655.4	57.7	11.9	8.2	5.5	3.7	2.7	1.8	1.8	1.4	1.4
77.5°	185.6	26.6	7.8	5.5	3.7	2.3	1.8	1.4	1.4	0.9	0.9
80°	36.7	13.3	5.0	3.7	2.7	1.8	1.4	0.9	0.9	0.5	0.5
82.5°	13.3	6.9	3.7	2.7	2.3	1.8	0.9	0.5	0.5	0.0	0.0
85°	6.9	3.7	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.0	0.0
87.5°	3.7	2.7	2.3	2.3	1.8	1.4	0.9	0.5	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)