

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: P674563

Luminaire Tested: **CCP-SA-1F-740-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674563
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-740-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6070.9 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

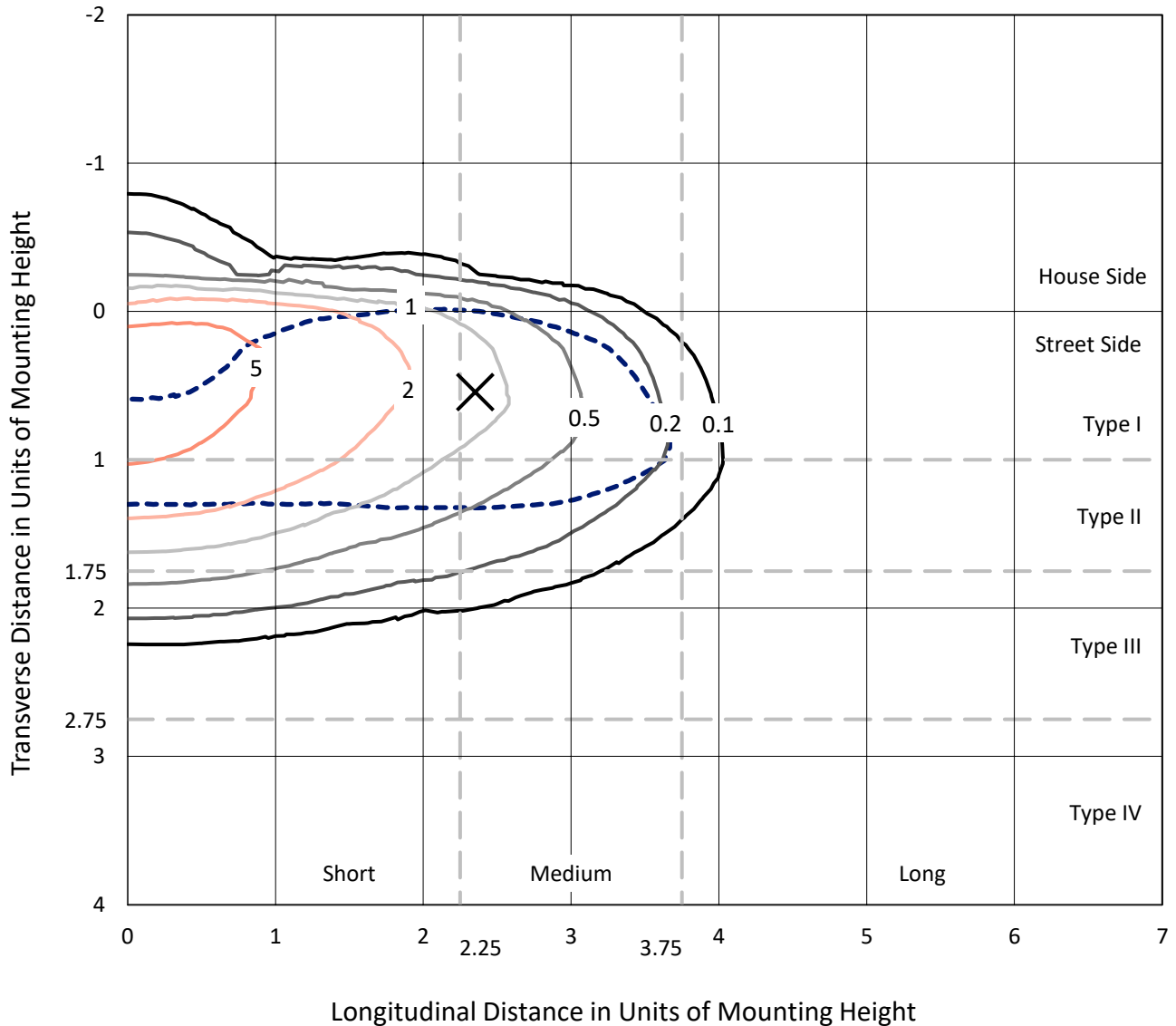
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

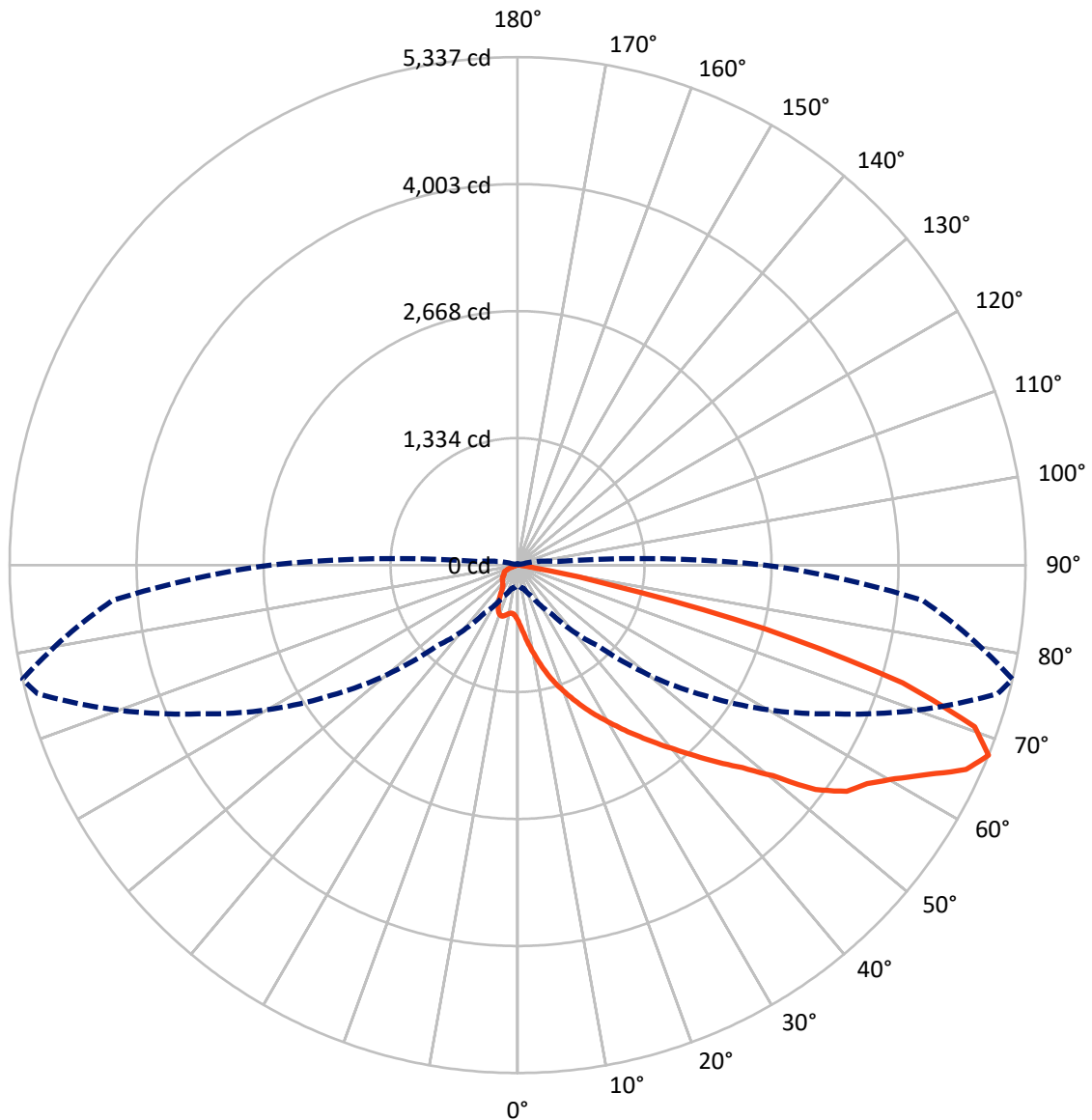
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 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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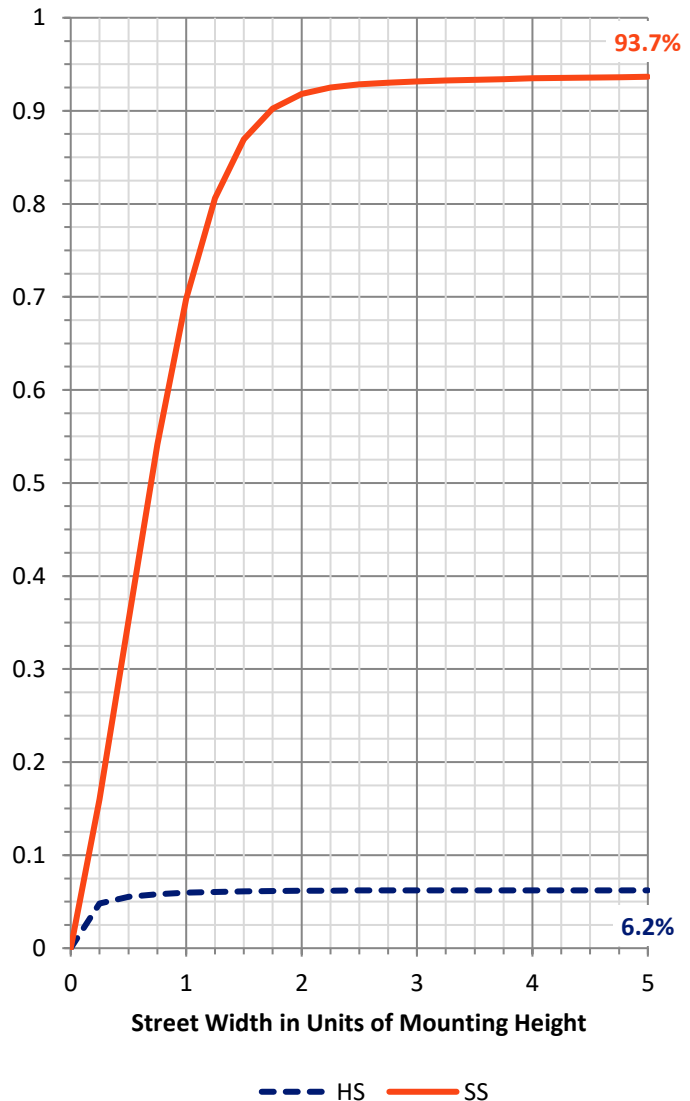
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	379.4	0.0	379.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5691.5	0.0	5691.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	6070.9	0.0	6070.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.1
10°-20°	252.7	4.2
20°-30°	493.7	8.1
30°-40°	863.2	14.2
40°-50°	1258.9	20.7
50°-60°	1472.1	24.2
60°-70°	1193.3	19.7
70°-80°	448.3	7.4
80°-90°	20.4	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°	6070.9	100.0
0°-180°	6070.9	100.0

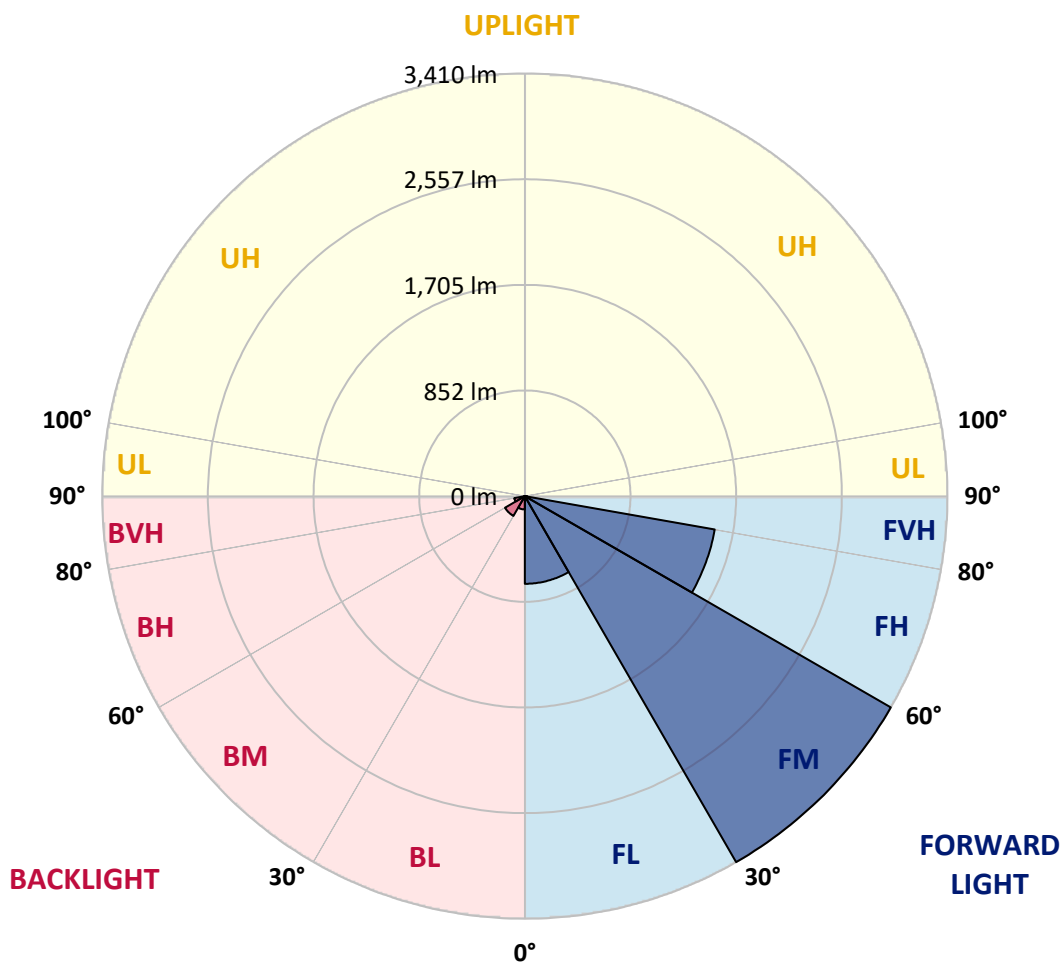


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.2	11.6			
FM (30°-60°)	3409.6	56.2			
FH (60°-80°)	1555.6	25.6			G1/1800
FVH (80°-90°)	19.2	0.3			G1/100
BL (0°-30°)	107.6	1.8	B0/110		
BM (30°-60°)	184.6	3.0	B0/220		
BH (60°-80°)	86.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	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°	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5
2.5°	873.0	841.3	847.3	834.1	817.1	777.7	736.0	694.4	657.1	648.9	611.6
5°	1118.0	1108.1	1097.7	1089.0	1053.3	1004.0	928.9	833.6	747.5	732.7	655.5
7.5°	1308.2	1293.4	1302.7	1275.9	1238.6	1190.9	1095.5	993.6	861.0	839.1	719.0
10°	1448.5	1440.3	1444.6	1432.0	1414.0	1366.3	1272.0	1144.3	990.9	949.2	790.3
12.5°	1553.7	1555.4	1574.5	1575.6	1560.8	1521.9	1422.2	1289.0	1108.7	1071.4	869.2
15°	1630.4	1632.1	1655.6	1680.9	1697.8	1677.6	1587.1	1438.1	1247.4	1196.4	952.0
17.5°	1643.0	1644.1	1685.8	1736.8	1789.4	1806.9	1737.3	1586.0	1374.0	1315.9	1046.8
20°	1651.3	1660.6	1697.8	1756.5	1839.8	1894.0	1856.2	1728.0	1496.7	1429.3	1139.9
22.5°	1751.0	1751.0	1772.9	1814.6	1880.9	1965.8	1958.2	1858.4	1616.2	1549.3	1232.6
25°	1962.6	1962.6	1941.2	1930.2	1965.8	2032.7	2051.9	1997.6	1752.7	1673.7	1330.1
27.5°	2242.6	2242.6	2209.2	2128.6	2097.9	2125.9	2146.1	2118.7	1878.7	1800.9	1433.1
30°	2533.1	2542.9	2484.8	2382.4	2274.9	2253.6	2233.8	2227.8	2013.0	1925.3	1537.8
32.5°	2824.6	2823.5	2751.2	2623.5	2483.2	2407.6	2343.4	2336.3	2155.5	2069.4	1637.0
35°	3057.5	3058.1	2981.9	2850.9	2688.7	2592.3	2489.2	2455.8	2311.7	2215.7	1755.4
37.5°	3259.2	3247.7	3165.5	3041.1	2889.8	2790.1	2661.9	2574.7	2473.3	2375.8	1873.8
40°	3374.9	3359.5	3279.5	3161.1	3046.6	2970.4	2857.5	2718.3	2650.9	2545.7	2008.6
42.5°	3391.9	3378.7	3325.5	3254.3	3160.6	3093.7	3063.6	2880.5	2837.2	2741.9	2169.7
45°	3344.2	3322.8	3305.3	3268.0	3241.7	3209.4	3250.5	3053.2	3051.0	2956.2	2329.2
47.5°	3225.8	3196.8	3201.1	3242.2	3271.8	3300.9	3429.1	3279.5	3266.4	3177.6	2538.5
50°	3023.6	3009.3	3057.5	3138.7	3255.9	3372.1	3607.2	3510.8	3562.8	3479.5	2827.4
52.5°	2612.5	2630.1	2774.2	2969.3	3172.1	3405.6	3774.4	3856.1	3989.2	3920.7	3117.8
55°	2119.3	2112.7	2305.1	2651.4	2975.3	3384.2	3847.3	4059.4	4268.7	4196.9	3279.5
57.5°	1707.2	1718.7	1848.6	2191.1	2641.6	3219.2	3864.3	4165.7	4381.1	4333.4	3429.1
60°	1281.3	1292.3	1410.7	1708.8	2197.7	2875.0	3724.0	4203.0	4592.1	4555.9	3668.1
62.5°	815.5	829.7	948.7	1238.6	1679.8	2340.2	3408.8	4164.1	4812.4	4842.5	3994.2
65°	401.2	413.8	501.5	723.4	1122.9	1749.9	2969.3	4015.5	5093.0	5179.0	4255.6
67.5°	222.0	228.0	258.1	368.3	626.4	1200.2	2386.2	3698.2	5221.8	5336.9	4273.1
70°	172.6	174.3	185.8	214.8	305.3	704.2	1697.3	3169.9	4954.9	5094.1	3917.4
72.5°	145.2	147.4	152.9	162.8	190.7	366.6	1066.5	2449.8	4169.0	4232.0	3030.7
75°	106.3	109.6	125.0	133.7	150.7	222.5	470.2	1472.1	2755.0	2693.1	1695.7
77.5°	89.3	92.1	95.9	108.5	124.4	151.8	165.0	617.1	1121.3	975.0	445.0
80°	60.8	64.1	74.5	81.1	105.2	100.3	68.5	165.5	225.2	183.6	85.5
82.5°	43.3	46.0	51.5	66.3	76.2	53.2	37.3	50.4	54.3	51.5	28.0
85°	13.7	17.5	37.3	54.8	41.1	18.1	23.6	19.2	17.0	16.4	11.0
87.5°	2.7	2.7	18.6	21.9	16.4	9.3	8.2	6.0	7.7	7.7	6.0
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°	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5
2.5°	594.1	569.4	533.8	500.4	466.4	442.3	425.3	408.3	401.7	399.0	391.9
5°	620.4	573.3	502.6	445.6	403.9	377.6	361.7	348.0	339.2	336.5	332.7
7.5°	658.2	590.2	488.9	423.1	381.4	352.9	327.2	297.6	274.0	264.7	260.9
10°	699.3	616.0	491.0	418.7	363.4	300.9	243.3	195.7	174.8	167.2	161.7
12.5°	759.6	644.5	500.4	413.8	309.1	214.8	155.6	135.9	131.0	129.9	128.8
15°	819.9	684.5	515.7	380.9	230.7	146.3	129.3	122.2	119.5	116.7	116.7
17.5°	880.7	722.9	521.7	316.8	159.5	126.6	117.8	111.8	107.4	105.2	103.6
20°	949.2	763.4	504.2	238.4	127.7	115.6	105.8	98.6	94.8	92.6	91.0
22.5°	1023.2	803.4	465.8	166.1	116.2	104.1	94.8	87.7	83.9	81.7	81.1
25°	1092.8	838.0	404.5	125.0	104.7	93.2	84.4	78.4	75.6	73.4	72.9
27.5°	1164.6	867.6	324.4	110.2	95.4	84.4	75.6	70.7	68.0	66.3	65.8
30°	1234.7	887.8	241.7	100.8	87.1	76.2	68.5	64.7	61.9	60.3	59.7
32.5°	1307.1	899.3	163.3	92.6	78.9	69.1	62.5	58.6	57.0	55.4	55.4
35°	1376.7	897.7	117.8	84.9	72.3	62.5	56.4	53.7	53.2	51.5	51.5
37.5°	1452.9	886.2	100.3	77.8	65.2	56.4	51.5	49.9	49.3	48.2	47.7
40°	1539.5	860.4	91.5	72.3	59.2	51.5	47.1	46.0	45.5	44.4	44.4
42.5°	1634.3	827.0	86.6	66.3	54.3	46.6	43.3	41.7	41.1	40.0	40.0
45°	1744.4	795.2	83.3	60.3	49.9	42.7	39.5	37.8	37.3	36.2	36.2
47.5°	1894.6	777.1	77.8	54.8	44.9	38.9	35.6	34.5	33.4	32.3	32.3
50°	2101.2	755.8	70.7	49.3	41.1	35.1	32.9	31.2	30.7	29.6	29.6
52.5°	2271.1	710.3	63.6	43.8	36.7	32.3	30.1	29.0	28.0	27.4	27.4
55°	2330.8	657.1	56.4	39.5	33.4	30.1	28.0	26.9	26.3	25.8	25.8
57.5°	2426.2	640.1	49.9	35.1	30.1	28.0	25.8	25.2	24.7	24.1	23.6
60°	2589.0	650.0	43.8	31.2	27.4	25.2	23.6	23.0	21.9	20.8	20.8
62.5°	2746.8	637.9	37.3	27.4	23.6	22.5	20.8	19.7	17.5	15.9	14.8
65°	2785.2	557.4	32.3	23.0	19.7	18.6	17.0	14.8	11.5	9.3	9.3
67.5°	2599.4	423.6	28.0	19.7	16.4	15.3	12.1	9.9	7.1	5.5	5.5
70°	2145.1	268.5	23.0	15.3	13.7	10.4	7.7	7.1	4.9	4.4	3.8
72.5°	1547.7	146.9	19.2	12.6	9.9	6.6	5.5	4.4	3.3	2.2	2.2
75°	783.7	69.1	14.2	9.9	6.6	4.4	3.3	2.2	2.2	1.6	1.6
77.5°	222.0	31.8	9.3	6.6	4.4	2.7	2.2	1.6	1.6	1.1	1.1
80°	43.8	15.9	6.0	4.4	3.3	2.2	1.6	1.1	1.1	0.5	0.5
82.5°	15.9	8.2	4.4	3.3	2.7	2.2	1.1	0.5	0.5	0.0	0.0
85°	8.2	4.4	3.3	2.7	2.2	1.6	1.1	0.5	0.0	0.0	0.0
87.5°	4.4	3.3	2.7	2.7	2.2	1.6	1.1	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)