

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: P674627

Luminaire Tested: **CCP-SA-1D-840-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674627
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-840-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

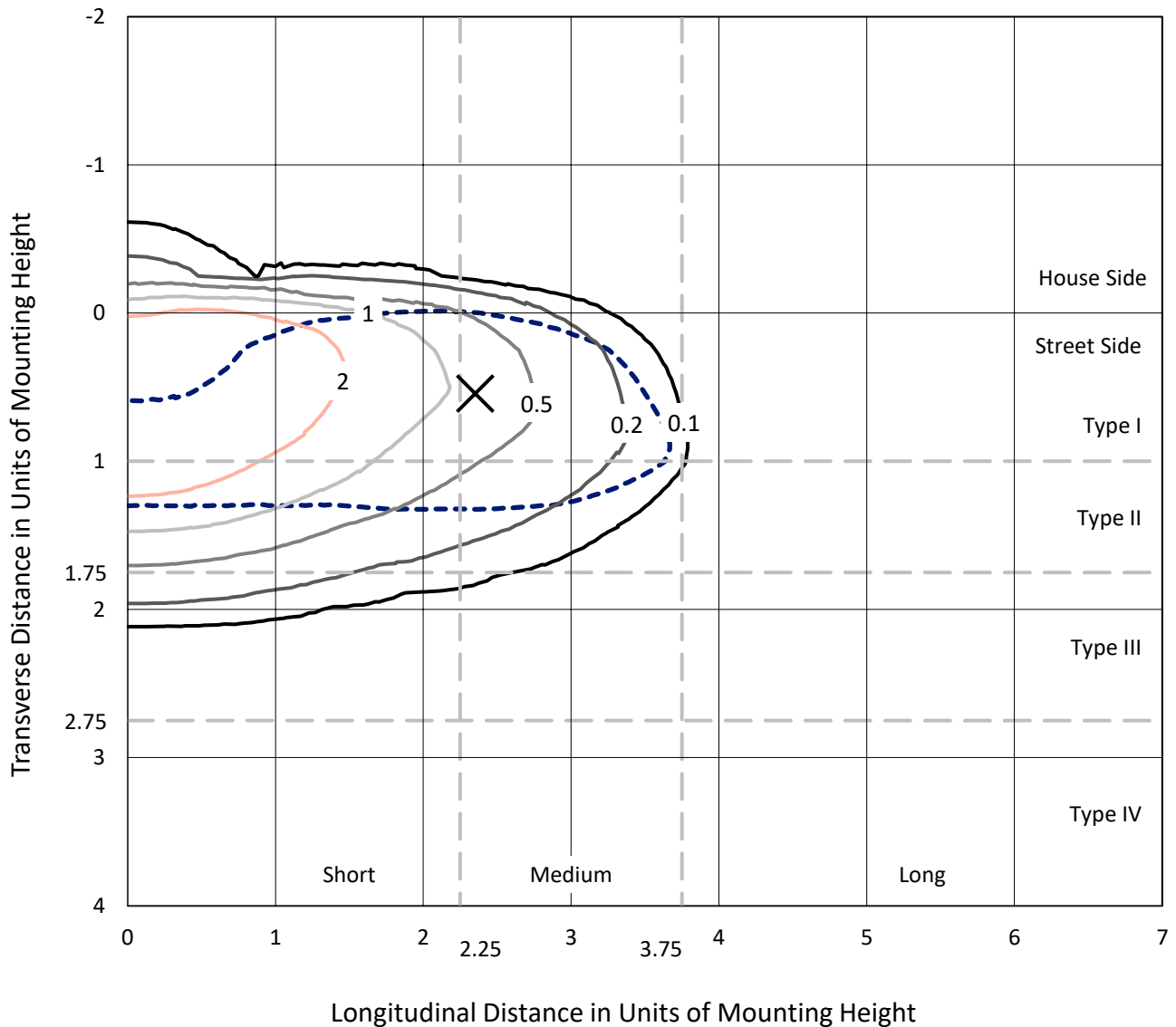
Lumens per Lamp: N/A
Luminaire Lumens: 3850 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

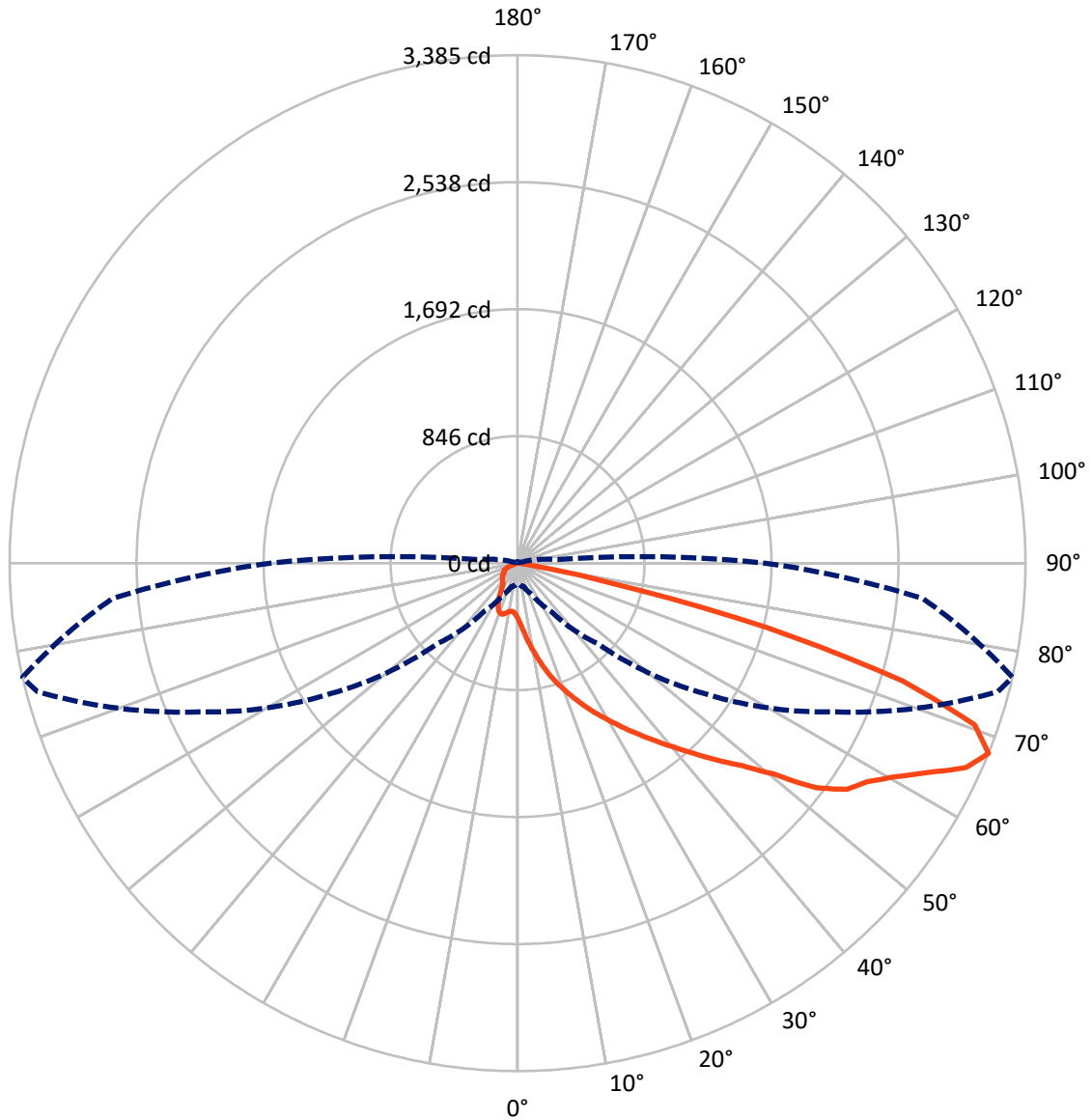
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 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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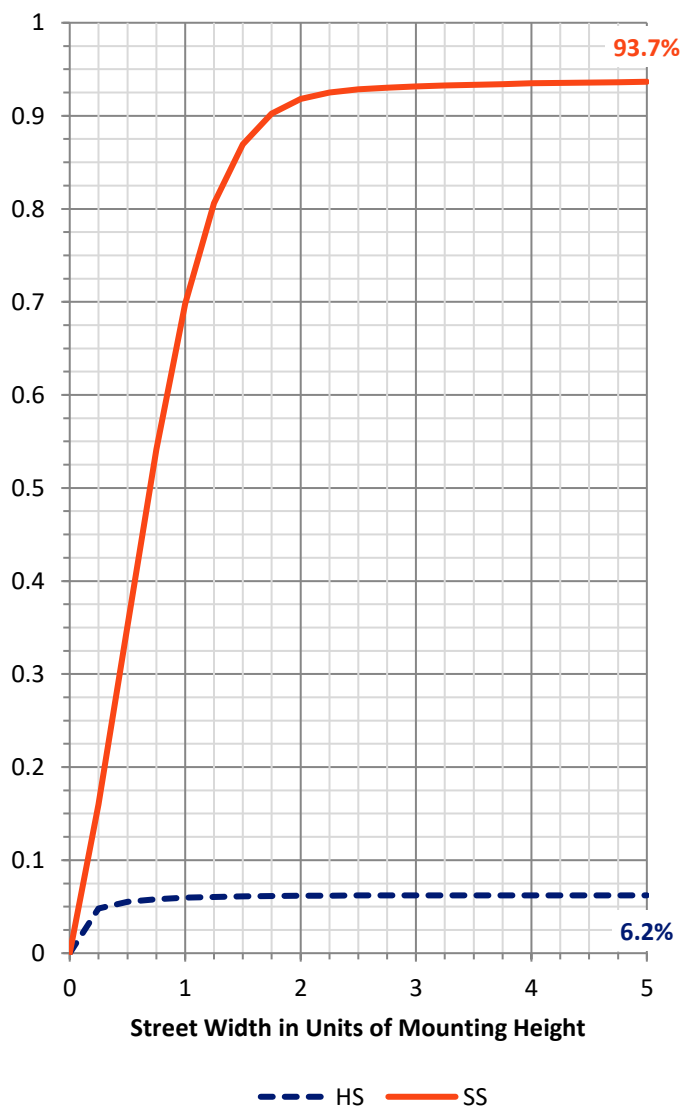
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	240.6	0.0	240.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3609.4	0.0	3609.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	3850.0	0.0	3850.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	1.1
10°-20°	160.3	4.2
20°-30°	313.1	8.1
30°-40°	547.4	14.2
40°-50°	798.4	20.7
50°-60°	933.5	24.2
60°-70°	756.8	19.7
70°-80°	284.3	7.4
80°-90°	12.9	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°	3850.0	100.0
0°-180°	3850.0	100.0

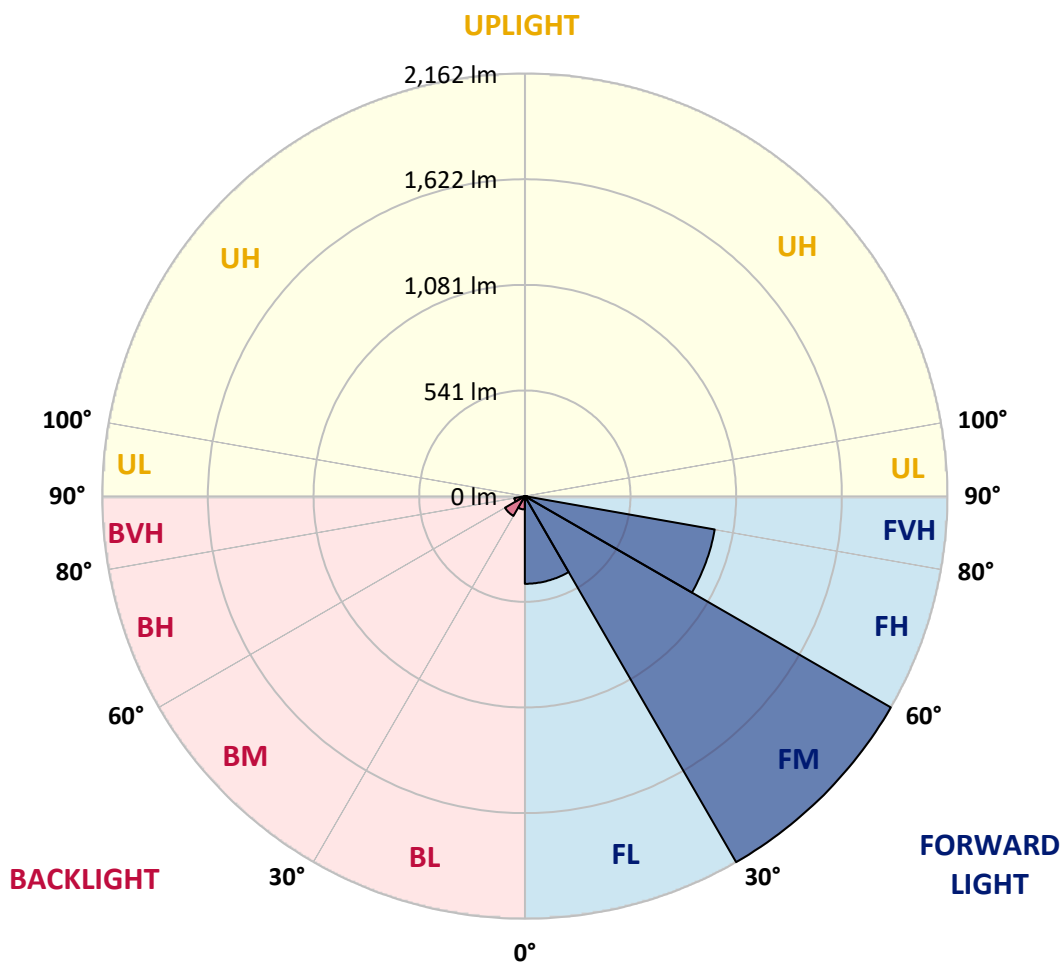


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	448.5	11.6			
FM (30°-60°)	2162.3	56.2			
FH (60°-80°)	986.5	25.6			G1/1800
FVH (80°-90°)	12.2	0.3			G1/100
BL (0°-30°)	68.2	1.8	B0/110		
BM (30°-60°)	117.0	3.0	B0/220		
BH (60°-80°)	54.6	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: 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°	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8
2.5°	553.7	533.5	537.3	529.0	518.2	493.2	466.8	440.4	416.7	411.5	387.9
5°	709.0	702.8	696.2	690.6	668.0	636.7	589.1	528.6	474.1	464.7	415.7
7.5°	829.6	820.2	826.1	809.1	785.5	755.2	694.8	630.1	546.0	532.1	456.0
10°	918.6	913.4	916.2	908.2	896.7	866.5	806.7	725.7	628.4	602.0	501.2
12.5°	985.3	986.4	998.5	999.2	989.8	965.2	901.9	817.5	703.1	679.5	551.2
15°	1034.0	1035.0	1050.0	1066.0	1076.7	1063.9	1006.5	912.0	791.0	758.7	603.7
17.5°	1042.0	1042.7	1069.1	1101.4	1134.8	1145.9	1101.8	1005.8	871.3	834.5	663.8
20°	1047.2	1053.1	1076.7	1113.9	1166.8	1201.2	1177.2	1095.9	949.2	906.4	722.9
22.5°	1110.4	1110.4	1124.4	1150.8	1192.8	1246.7	1241.8	1178.6	1024.9	982.5	781.7
25°	1244.6	1244.6	1231.1	1224.1	1246.7	1289.1	1301.3	1266.9	1111.5	1061.4	843.5
27.5°	1422.2	1422.2	1401.0	1349.9	1330.5	1348.2	1361.0	1343.7	1191.4	1142.1	908.9
30°	1606.4	1612.7	1575.8	1510.8	1442.7	1429.2	1416.6	1412.8	1276.6	1221.0	975.2
32.5°	1791.3	1790.6	1744.7	1663.8	1574.8	1526.8	1486.2	1481.6	1366.9	1312.4	1038.2
35°	1939.0	1939.4	1891.1	1808.0	1705.1	1644.0	1578.6	1557.4	1466.0	1405.2	1113.2
37.5°	2066.9	2059.6	2007.5	1928.6	1832.7	1769.4	1688.1	1632.8	1568.5	1506.7	1188.3
40°	2140.3	2130.5	2079.8	2004.7	1932.1	1883.8	1812.2	1723.9	1681.1	1614.4	1273.8
42.5°	2151.0	2142.7	2109.0	2063.8	2004.4	1962.0	1942.9	1826.8	1799.3	1738.8	1376.0
45°	2120.8	2107.2	2096.1	2072.5	2055.8	2035.3	2061.4	1936.2	1934.9	1874.7	1477.1
47.5°	2045.7	2027.3	2030.1	2056.2	2074.9	2093.3	2174.7	2079.8	2071.4	2015.1	1609.9
50°	1917.5	1908.4	1939.0	1990.5	2064.8	2138.5	2287.6	2226.5	2259.5	2206.6	1793.1
52.5°	1656.8	1667.9	1759.3	1883.1	2011.7	2159.7	2393.6	2445.4	2529.9	2486.4	1977.3
55°	1344.0	1339.8	1461.8	1681.5	1886.9	2146.2	2439.9	2574.4	2707.1	2661.6	2079.8
57.5°	1082.6	1089.9	1172.3	1389.5	1675.2	2041.6	2450.6	2641.8	2778.4	2748.1	2174.7
60°	812.6	819.5	894.6	1083.7	1393.7	1823.3	2361.7	2665.4	2912.2	2889.3	2326.2
62.5°	517.2	526.2	601.6	785.5	1065.3	1484.1	2161.8	2640.7	3051.9	3071.0	2533.0
65°	254.4	262.4	318.0	458.8	712.1	1109.8	1883.1	2546.6	3229.9	3284.4	2698.8
67.5°	140.8	144.6	163.7	233.6	397.3	761.2	1513.3	2345.3	3311.5	3384.5	2709.9
70°	109.5	110.5	117.8	136.2	193.6	446.6	1076.4	2010.3	3142.3	3230.6	2484.3
72.5°	92.1	93.5	97.0	103.2	121.0	232.5	676.3	1553.6	2643.9	2683.8	1922.0
75°	67.4	69.5	79.2	84.8	95.6	141.1	298.2	933.5	1747.2	1707.9	1075.3
77.5°	56.7	58.4	60.8	68.8	78.9	96.3	104.6	391.4	711.1	618.3	282.2
80°	38.6	40.7	47.3	51.4	66.7	63.6	43.4	105.0	142.8	116.4	54.2
82.5°	27.5	29.2	32.7	42.1	48.3	33.7	23.6	32.0	34.4	32.7	17.7
85°	8.7	11.1	23.6	34.8	26.1	11.5	14.9	12.2	10.8	10.4	7.0
87.5°	1.7	1.7	11.8	13.9	10.4	5.9	5.2	3.8	4.9	4.9	3.8
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°	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8
2.5°	376.8	361.1	338.5	317.3	295.8	280.5	269.7	258.9	254.8	253.0	248.5
5°	393.4	363.5	318.7	282.6	256.2	239.5	229.4	220.7	215.1	213.4	211.0
7.5°	417.4	374.3	310.0	268.3	241.9	223.8	207.5	188.7	173.8	167.9	165.4
10°	443.5	390.7	311.4	265.5	230.4	190.8	154.3	124.1	110.9	106.0	102.5
12.5°	481.7	408.7	317.3	262.4	196.0	136.2	98.7	86.2	83.1	82.4	81.7
15°	519.9	434.1	327.1	241.6	146.3	92.8	82.0	77.5	75.8	74.0	74.0
17.5°	558.5	458.4	330.9	200.9	101.1	80.3	74.7	70.9	68.1	66.7	65.7
20°	602.0	484.1	319.8	151.2	81.0	73.3	67.1	62.6	60.1	58.7	57.7
22.5°	648.9	509.5	295.4	105.3	73.7	66.0	60.1	55.6	53.2	51.8	51.4
25°	693.0	531.4	256.5	79.2	66.4	59.1	53.5	49.7	48.0	46.6	46.2
27.5°	738.6	550.2	205.8	69.9	60.5	53.5	48.0	44.8	43.1	42.1	41.7
30°	783.0	563.0	153.3	64.0	55.3	48.3	43.4	41.0	39.3	38.2	37.9
32.5°	828.9	570.3	103.6	58.7	50.0	43.8	39.6	37.2	36.1	35.1	35.1
35°	873.1	569.3	74.7	53.9	45.9	39.6	35.8	34.1	33.7	32.7	32.7
37.5°	921.4	562.0	63.6	49.4	41.4	35.8	32.7	31.6	31.3	30.6	30.2
40°	976.3	545.7	58.0	45.9	37.5	32.7	29.9	29.2	28.8	28.2	28.2
42.5°	1036.4	524.5	54.9	42.1	34.4	29.5	27.5	26.4	26.1	25.4	25.4
45°	1106.3	504.3	52.8	38.2	31.6	27.1	25.0	24.0	23.6	22.9	22.9
47.5°	1201.5	492.8	49.4	34.8	28.5	24.7	22.6	21.9	21.2	20.5	20.5
50°	1332.5	479.3	44.8	31.3	26.1	22.2	20.9	19.8	19.5	18.8	18.8
52.5°	1440.3	450.4	40.3	27.8	23.3	20.5	19.1	18.4	17.7	17.4	17.4
55°	1478.2	416.7	35.8	25.0	21.2	19.1	17.7	17.0	16.7	16.3	16.3
57.5°	1538.6	405.9	31.6	22.2	19.1	17.7	16.3	16.0	15.6	15.3	14.9
60°	1641.9	412.2	27.8	19.8	17.4	16.0	14.9	14.6	13.9	13.2	13.2
62.5°	1742.0	404.6	23.6	17.4	14.9	14.2	13.2	12.5	11.1	10.1	9.4
65°	1766.3	353.5	20.5	14.6	12.5	11.8	10.8	9.4	7.3	5.9	5.9
67.5°	1648.5	268.7	17.7	12.5	10.4	9.7	7.6	6.3	4.5	3.5	3.5
70°	1360.3	170.3	14.6	9.7	8.7	6.6	4.9	4.5	3.1	2.8	2.4
72.5°	981.5	93.1	12.2	8.0	6.3	4.2	3.5	2.8	2.1	1.4	1.4
75°	497.0	43.8	9.0	6.3	4.2	2.8	2.1	1.4	1.4	1.0	1.0
77.5°	140.8	20.2	5.9	4.2	2.8	1.7	1.4	1.0	1.0	0.7	0.7
80°	27.8	10.1	3.8	2.8	2.1	1.4	1.0	0.7	0.7	0.3	0.3
82.5°	10.1	5.2	2.8	2.1	1.7	1.4	0.7	0.3	0.3	0.0	0.0
85°	5.2	2.8	2.1	1.7	1.4	1.0	0.7	0.3	0.0	0.0	0.0
87.5°	2.8	2.1	1.7	1.7	1.4	1.0	0.7	0.3	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)