

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: P672190

Luminaire Tested: **CCP-SA-1D-850-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672190
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-850-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

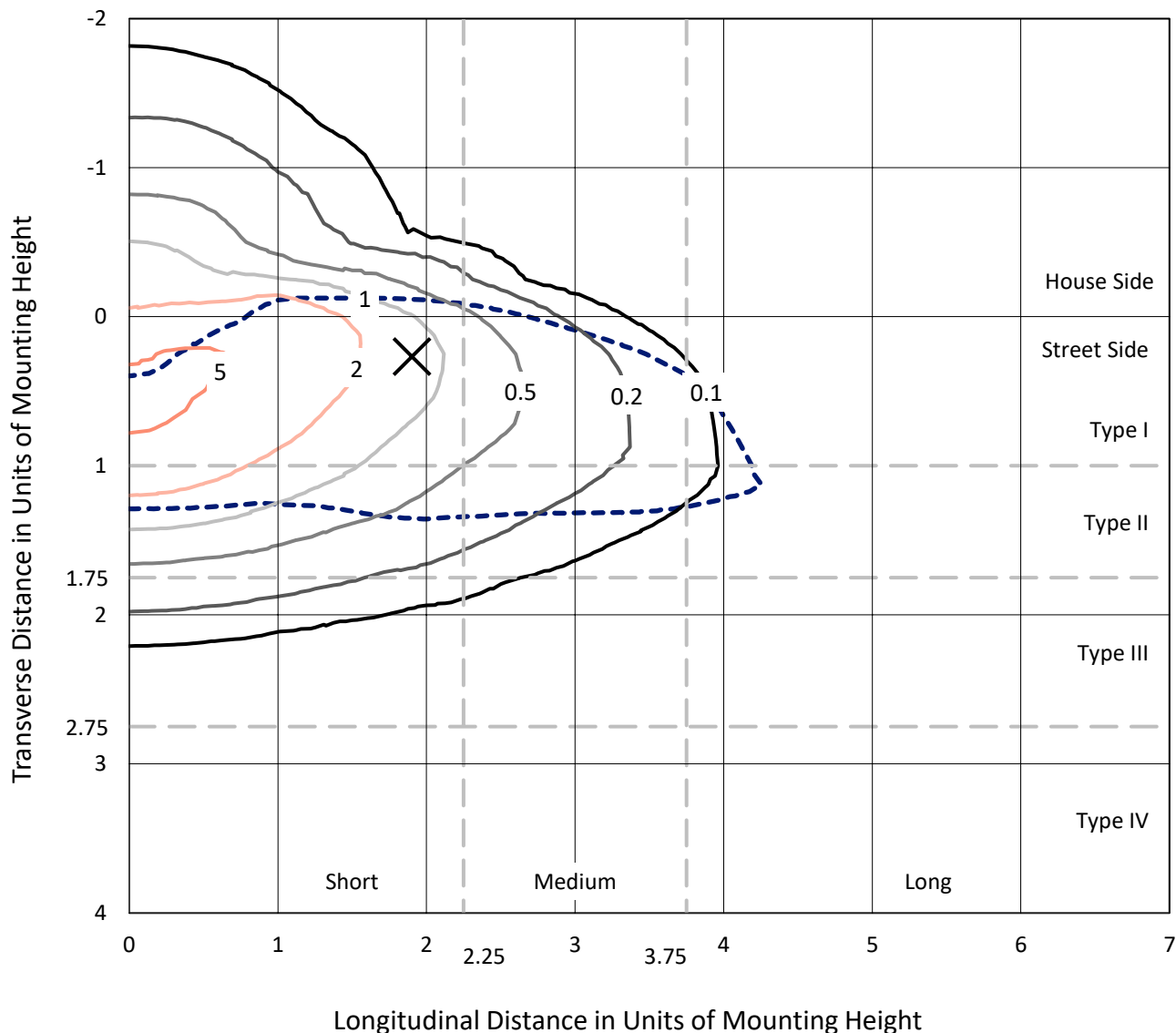
Lumens per Lamp: N/A
Luminaire Lumens: 4943.1 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

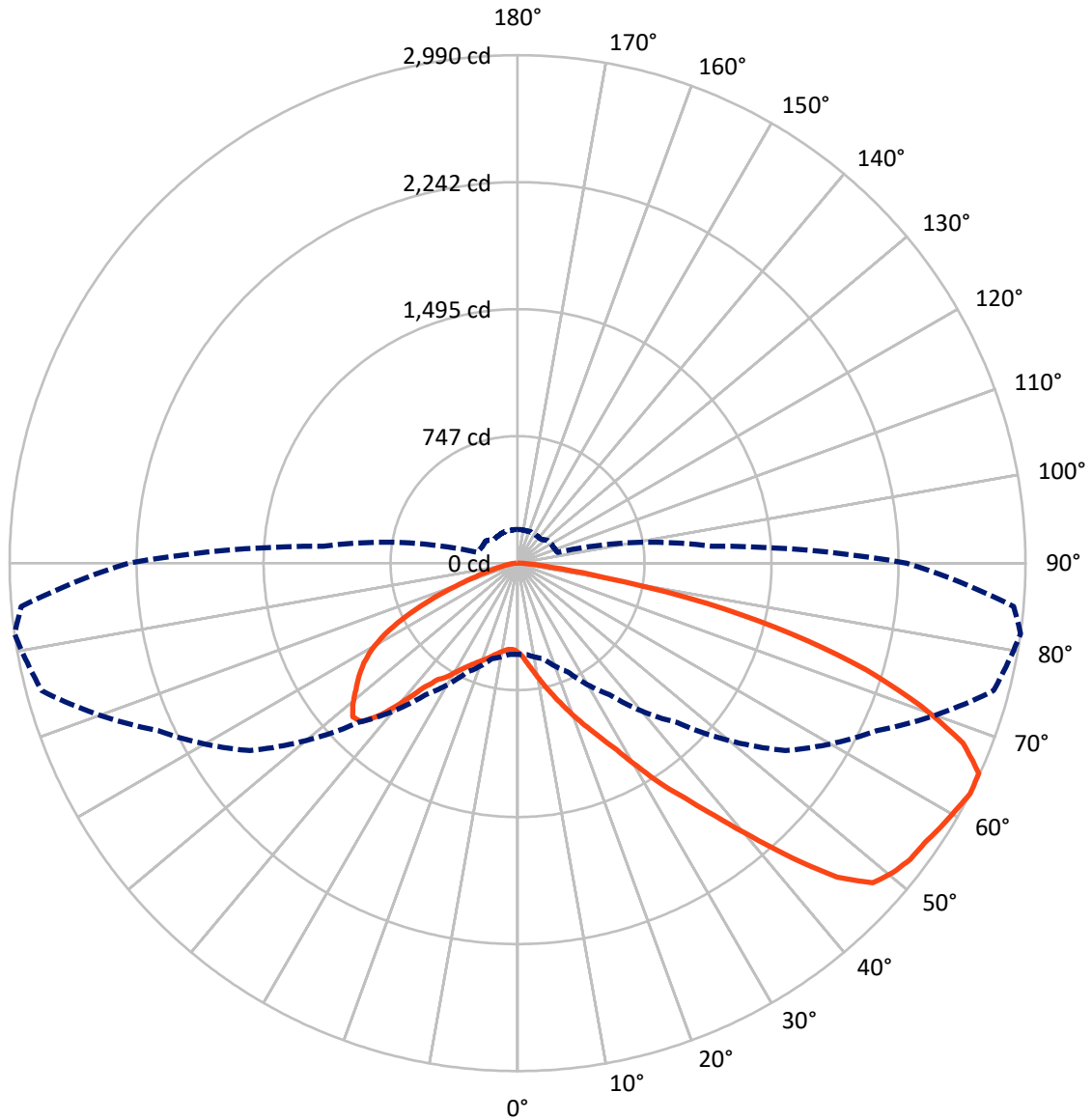
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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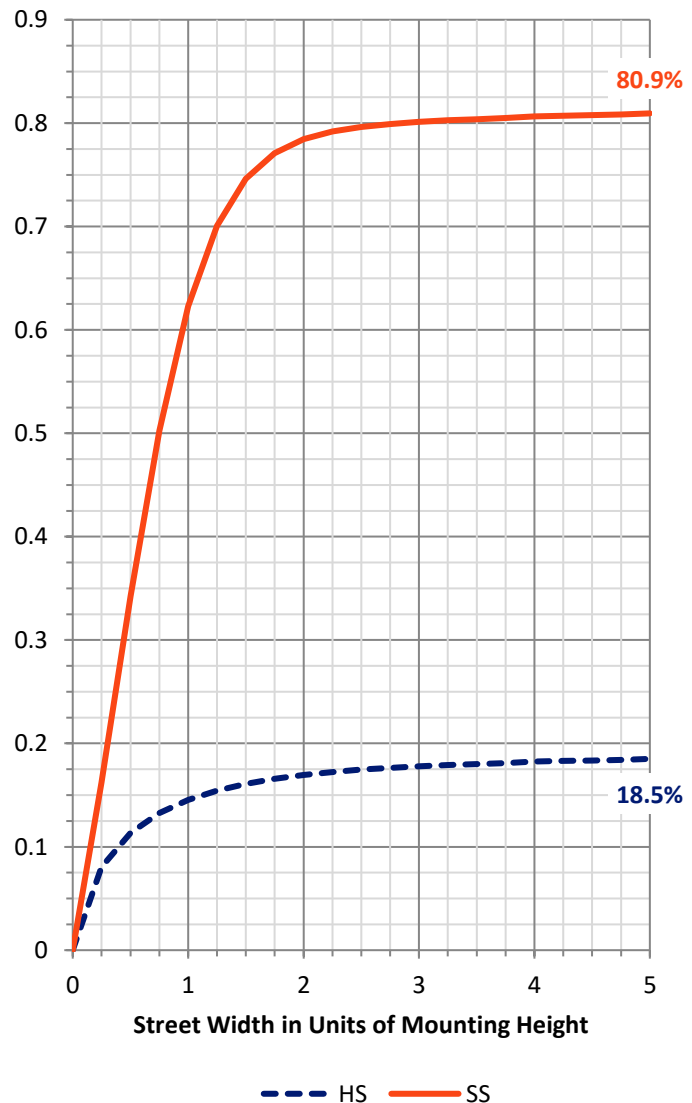
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	931.3	0.0	931.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4011.9	0.0	4011.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	4943.1	0.0	4943.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.2
10°-20°	219.4	4.4
20°-30°	454.4	9.2
30°-40°	771.2	15.6
40°-50°	1050.2	21.2
50°-60°	1063.0	21.5
60°-70°	837.8	16.9
70°-80°	412.7	8.3
80°-90°	76.3	1.5
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°	4943.1	100.0
0°-180°	4943.1	100.0



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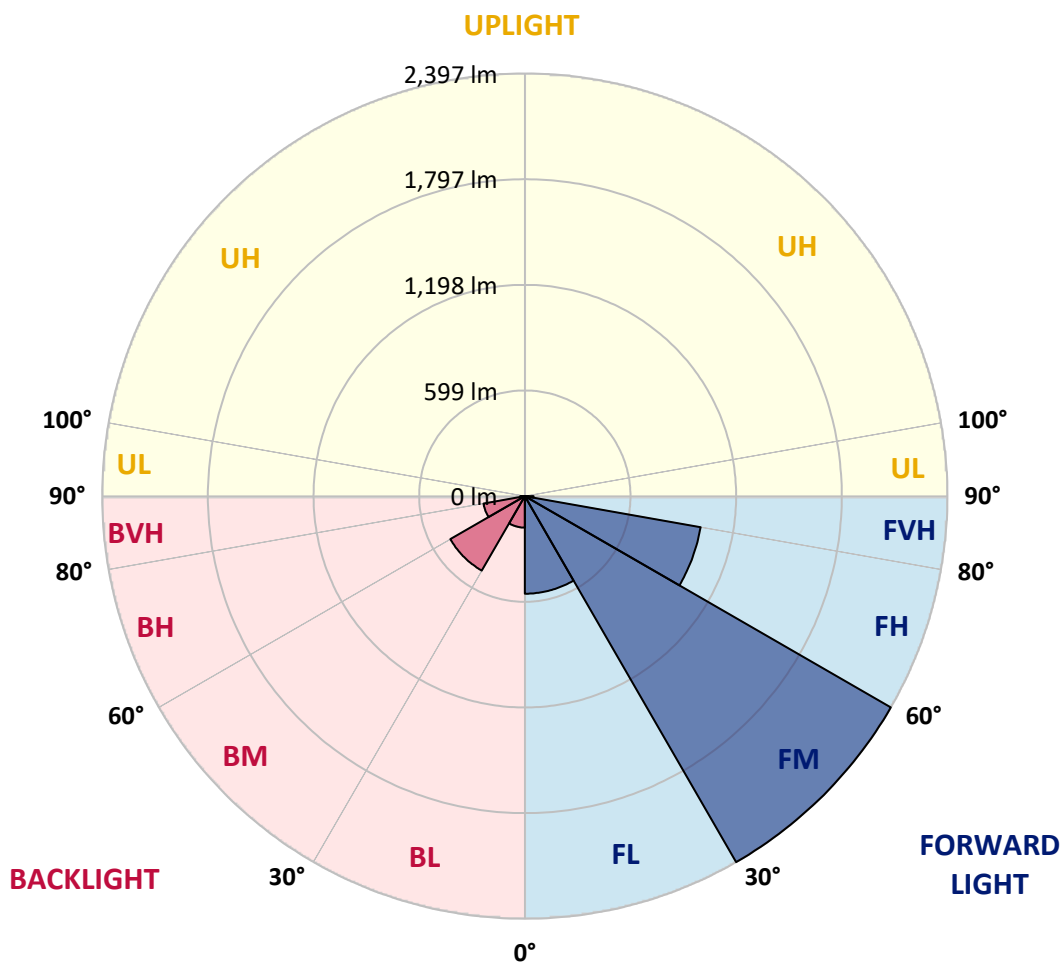
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.2	11.2			
FM (30°-60°)	2396.6	48.5			
FH (60°-80°)	1012.4	20.5			G1/1800
FVH (80°-90°)	49.6	1.0			G1/100
BL (0°-30°)	178.7	3.6	B1/500		
BM (30°-60°)	487.8	9.9	B1/1000		
BH (60°-80°)	238.1	4.8	B1/500		G1/500
BVH (80°-90°)	26.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7
2.5°	700.1	689.4	683.7	677.3	659.5	648.1	626.7	601.8	573.0	548.4	543.8
5°	847.8	837.1	838.5	822.8	796.9	772.7	732.8	685.8	631.0	589.0	574.4
7.5°	952.0	940.3	943.1	936.7	915.7	889.0	838.5	778.0	697.9	635.6	612.1
10°	1021.8	1023.2	1025.4	1022.9	1009.3	990.5	940.3	873.4	773.7	690.8	658.8
12.5°	1100.8	1104.7	1104.0	1105.1	1098.0	1083.0	1033.9	970.9	854.5	750.2	708.6
15°	1201.5	1197.6	1200.8	1205.4	1197.6	1181.2	1137.8	1063.1	939.2	816.4	764.8
17.5°	1311.9	1303.7	1312.2	1307.6	1301.9	1291.2	1243.5	1163.8	1026.8	888.0	827.5
20°	1407.2	1401.9	1406.5	1407.2	1408.3	1406.2	1357.0	1272.3	1118.6	965.9	895.1
22.5°	1514.4	1511.9	1511.2	1511.5	1512.6	1515.1	1481.6	1391.2	1220.4	1047.8	968.1
25°	1664.2	1661.7	1645.3	1627.2	1616.5	1624.3	1606.9	1526.1	1332.8	1139.6	1048.1
27.5°	1832.2	1828.3	1806.6	1760.6	1726.5	1732.2	1730.4	1674.9	1462.4	1244.9	1144.2
30°	2006.6	1997.0	1967.1	1902.6	1848.9	1838.9	1843.9	1825.4	1625.4	1384.8	1278.0
32.5°	2162.1	2144.3	2104.8	2039.7	1975.6	1946.8	1947.5	1955.7	1802.6	1547.8	1418.3
35°	2257.1	2245.4	2215.8	2150.0	2078.5	2059.2	2053.9	2094.8	1965.3	1698.7	1543.9
37.5°	2308.4	2297.0	2265.3	2212.3	2158.2	2150.4	2160.3	2223.7	2150.0	1887.0	1714.7
40°	2299.1	2287.0	2266.4	2229.4	2193.8	2199.8	2244.0	2341.8	2351.8	2112.3	1958.2
42.5°	2223.0	2210.1	2208.4	2205.9	2189.1	2215.8	2295.6	2428.3	2537.2	2372.4	2252.9
45°	2088.4	2080.6	2089.8	2132.6	2153.6	2205.2	2319.8	2470.3	2700.2	2636.9	2531.5
47.5°	1917.9	1913.3	1934.3	2001.9	2069.9	2172.4	2335.8	2481.7	2812.3	2812.3	2714.1
50°	1727.2	1725.4	1753.2	1851.4	1957.8	2112.3	2334.0	2492.4	2861.4	2863.9	2778.5
52.5°	1461.0	1470.2	1544.3	1673.8	1818.3	2018.0	2309.1	2522.3	2889.2	2894.9	2821.6
55°	1154.2	1163.1	1274.8	1449.2	1634.3	1903.4	2234.7	2513.4	2894.5	2907.4	2846.1
57.5°	921.4	923.2	993.0	1200.1	1429.3	1756.7	2148.9	2454.3	2878.9	2934.8	2883.9
60°	721.1	726.7	773.4	937.4	1191.6	1567.7	2053.2	2395.9	2887.8	2960.7	2918.0
62.5°	537.1	538.5	581.9	709.0	946.7	1326.8	1923.3	2333.6	2900.2	2989.9	2931.9
65°	349.9	349.5	391.5	506.1	707.2	1066.6	1719.4	2236.1	2901.3	2983.5	2868.2
67.5°	222.4	223.9	242.0	314.3	473.3	805.0	1441.8	2055.0	2850.8	2828.3	2636.2
70°	180.4	180.8	186.5	205.4	288.3	550.2	1083.7	1771.7	2691.0	2519.1	2291.3
72.5°	160.9	161.2	164.1	166.2	192.2	330.6	711.1	1438.6	2407.0	2147.1	1900.9
75°	144.5	144.5	146.3	144.1	157.7	207.5	403.6	1081.6	1982.4	1672.0	1436.1
77.5°	126.7	126.3	126.3	125.3	136.3	151.6	202.2	754.9	1427.9	1140.3	931.4
80°	107.5	106.8	107.8	107.1	117.8	115.0	117.8	465.9	774.1	522.8	396.5
82.5°	83.6	83.6	86.8	87.6	97.2	83.3	82.9	221.0	294.0	195.4	146.3
85°	43.8	49.1	66.2	69.0	73.3	52.3	60.9	103.2	117.8	74.7	53.4
87.5°	13.2	13.9	40.6	45.6	45.2	26.3	37.4	49.8	55.2	33.1	21.7
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°	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7
2.5°	532.1	519.6	493.3	469.8	452.0	434.9	423.2	417.1	409.3	410.4	407.9
5°	548.4	522.8	476.2	438.5	413.2	394.0	382.2	376.2	370.5	367.6	369.8
7.5°	573.0	533.1	468.0	422.5	396.1	379.7	373.3	371.6	370.1	369.1	370.8
10°	604.7	551.3	466.6	416.8	392.6	382.6	380.1	379.0	377.6	376.2	377.3
12.5°	637.1	571.2	471.6	418.2	398.3	390.8	387.6	386.2	382.6	380.8	381.2
15°	677.6	595.4	478.3	423.9	405.7	396.1	391.8	387.9	382.2	379.7	380.8
17.5°	721.1	624.3	487.6	429.2	408.6	396.8	388.3	382.6	376.9	373.3	373.7
20°	770.2	652.7	495.8	431.0	407.2	390.8	380.5	373.7	366.2	362.3	361.2
22.5°	821.1	682.6	502.2	429.6	399.3	380.5	368.7	360.5	351.6	345.6	345.9
25°	883.0	723.2	507.5	424.6	389.0	366.9	353.8	343.4	334.2	328.5	328.9
27.5°	957.4	769.1	513.9	416.8	376.5	352.3	337.0	326.7	317.8	312.5	311.8
30°	1056.7	828.9	521.0	407.2	360.9	336.3	321.4	310.7	302.2	297.2	297.2
32.5°	1168.4	901.9	526.0	395.8	343.4	319.2	305.7	297.2	290.8	284.0	283.3
35°	1265.6	958.4	541.3	386.9	328.1	303.2	294.0	287.9	278.3	271.9	270.8
37.5°	1408.3	1058.1	586.5	384.4	309.6	290.8	289.0	277.6	266.6	254.5	253.4
40°	1638.2	1230.7	639.2	372.3	290.4	284.0	282.2	266.9	240.9	233.5	232.0
42.5°	1930.8	1438.6	644.9	337.0	276.9	278.3	273.0	243.1	231.7	226.0	224.6
45°	2194.8	1607.2	612.5	301.1	266.9	269.8	258.7	234.2	227.8	222.4	221.0
47.5°	2343.3	1659.2	551.3	274.0	259.5	262.3	236.0	229.9	223.5	218.2	216.7
50°	2384.9	1614.0	480.1	258.4	253.8	254.8	229.9	226.4	220.7	216.4	214.3
52.5°	2393.1	1546.4	414.3	249.1	249.5	239.9	224.6	221.7	218.2	211.4	208.9
55°	2396.6	1485.5	355.2	243.4	246.6	220.7	218.9	216.7	213.9	206.8	205.4
57.5°	2405.9	1407.6	308.9	239.2	243.1	211.8	212.5	211.0	207.5	204.3	203.6
60°	2379.6	1299.7	273.3	234.9	238.1	204.3	205.0	205.7	202.5	201.8	201.4
62.5°	2291.3	1146.7	243.1	229.2	227.8	196.8	196.8	199.7	196.8	197.9	197.9
65°	2109.4	951.7	216.0	218.5	211.8	188.6	188.3	193.3	189.0	193.6	194.0
67.5°	1799.4	720.3	188.3	201.8	195.0	180.1	181.5	185.4	179.7	189.3	189.3
70°	1424.3	490.1	159.4	178.3	178.0	170.5	175.1	174.7	168.3	182.6	180.1
72.5°	1060.9	314.6	129.9	149.5	155.5	160.2	168.7	161.2	155.2	163.4	155.9
75°	741.3	197.2	102.5	118.2	129.5	148.8	160.9	145.9	137.0	134.5	132.4
77.5°	443.8	126.0	80.8	90.0	101.1	135.2	150.9	129.9	116.4	115.0	110.7
80°	204.6	82.2	61.6	67.3	71.9	116.0	137.4	111.0	94.7	93.2	88.3
82.5°	92.5	54.1	45.9	48.0	48.4	92.2	116.0	87.9	72.2	117.1	101.4
85°	43.1	34.9	29.9	28.5	28.8	61.6	84.3	60.5	82.2	64.1	48.8
87.5°	18.5	17.8	15.3	12.1	11.0	13.2	32.4	25.3	35.9	14.2	9.6
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)