

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: P672235

Luminaire Tested: **CCP-SA-1D-730-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672235
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-730-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

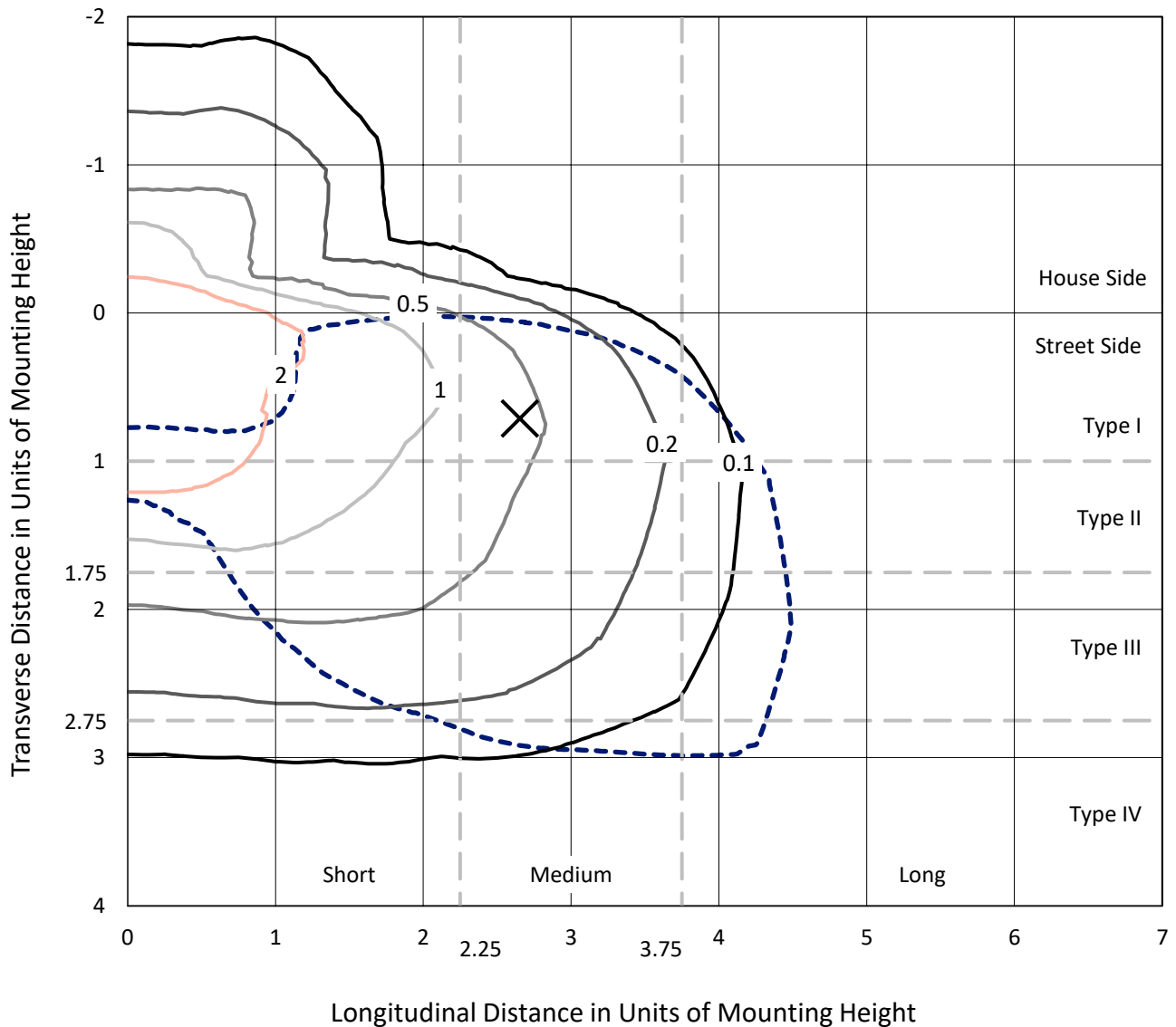
Lumens per Lamp: N/A
Luminaire Lumens: 5161.5 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

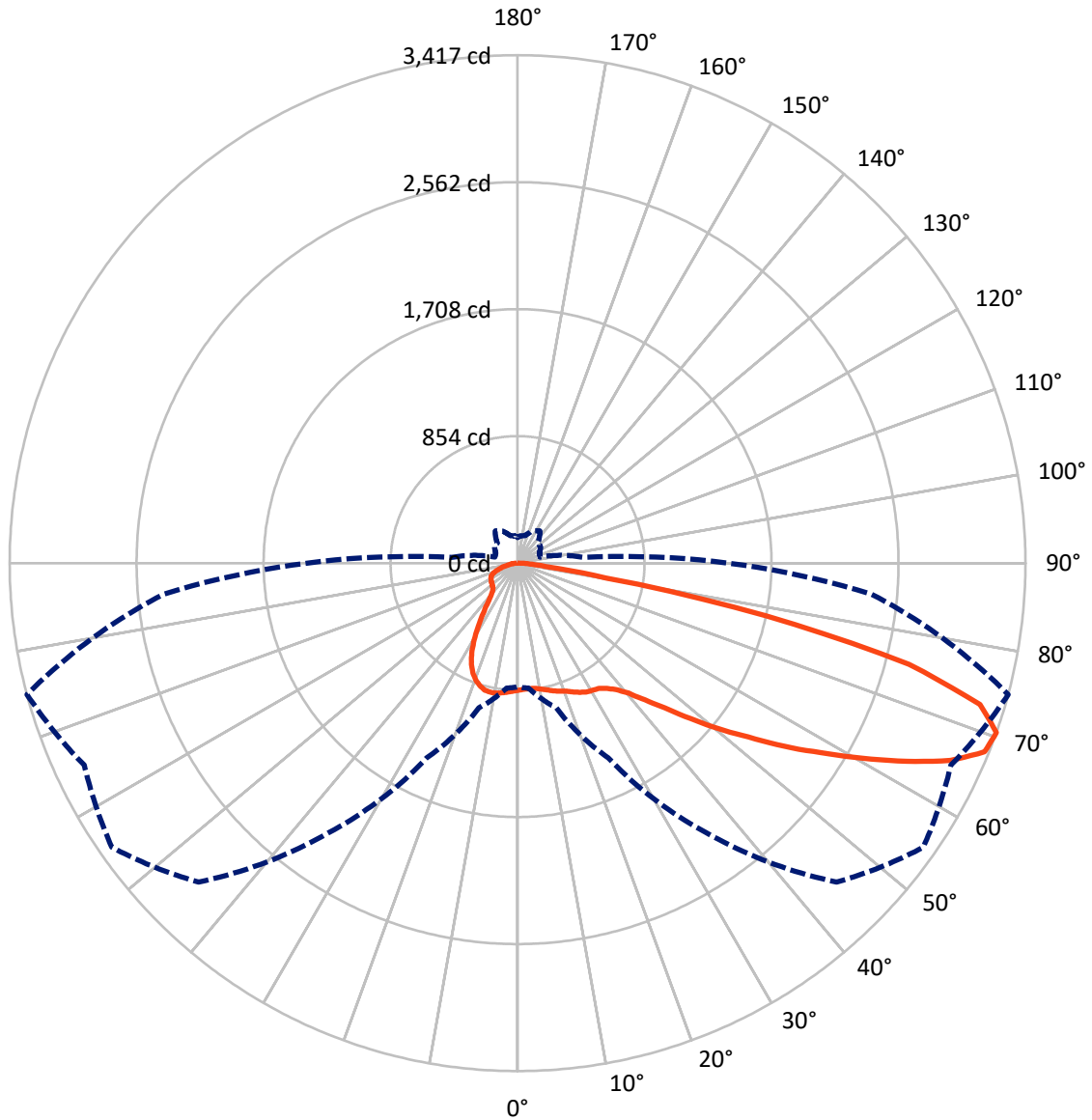
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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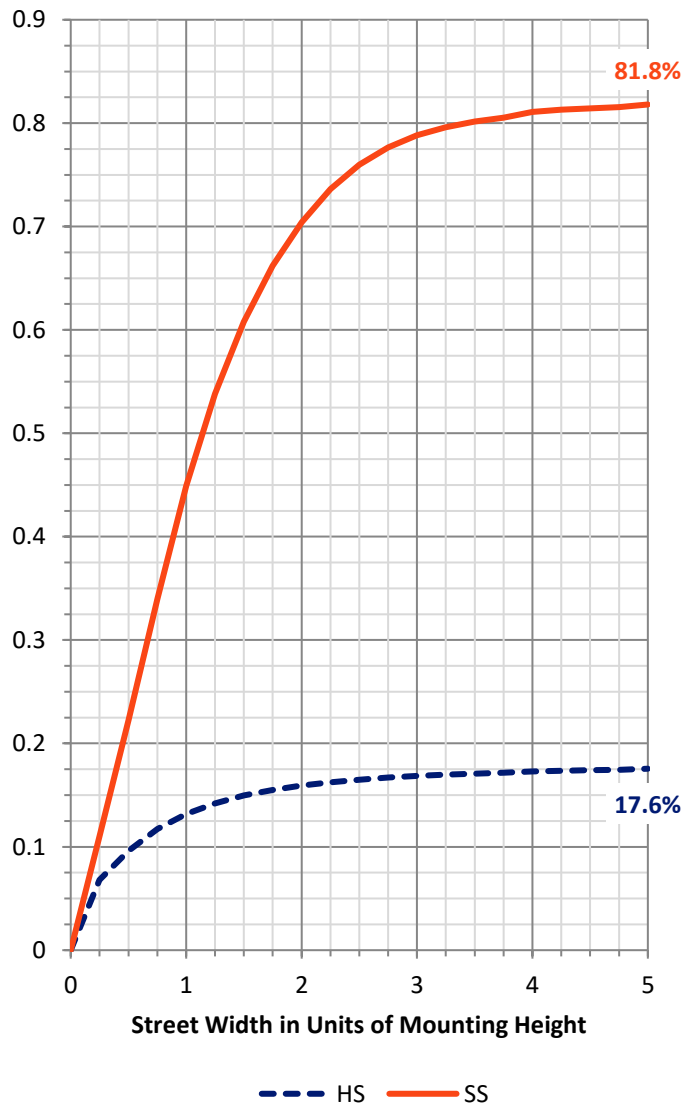
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	918.3	0.0	918.3
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4243.2	0.0	4243.2
	% Fixture	82.2	0.0	82.2
Total	Lumens	5161.5	0.0	5161.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.5
10°-20°	205.0	4.0
20°-30°	345.3	6.7
30°-40°	524.5	10.2
40°-50°	751.4	14.6
50°-60°	996.3	19.3
60°-70°	1246.7	24.2
70°-80°	910.4	17.6
80°-90°	105.0	2.0
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°	5161.5	100.0
0°-180°	5161.5	100.0



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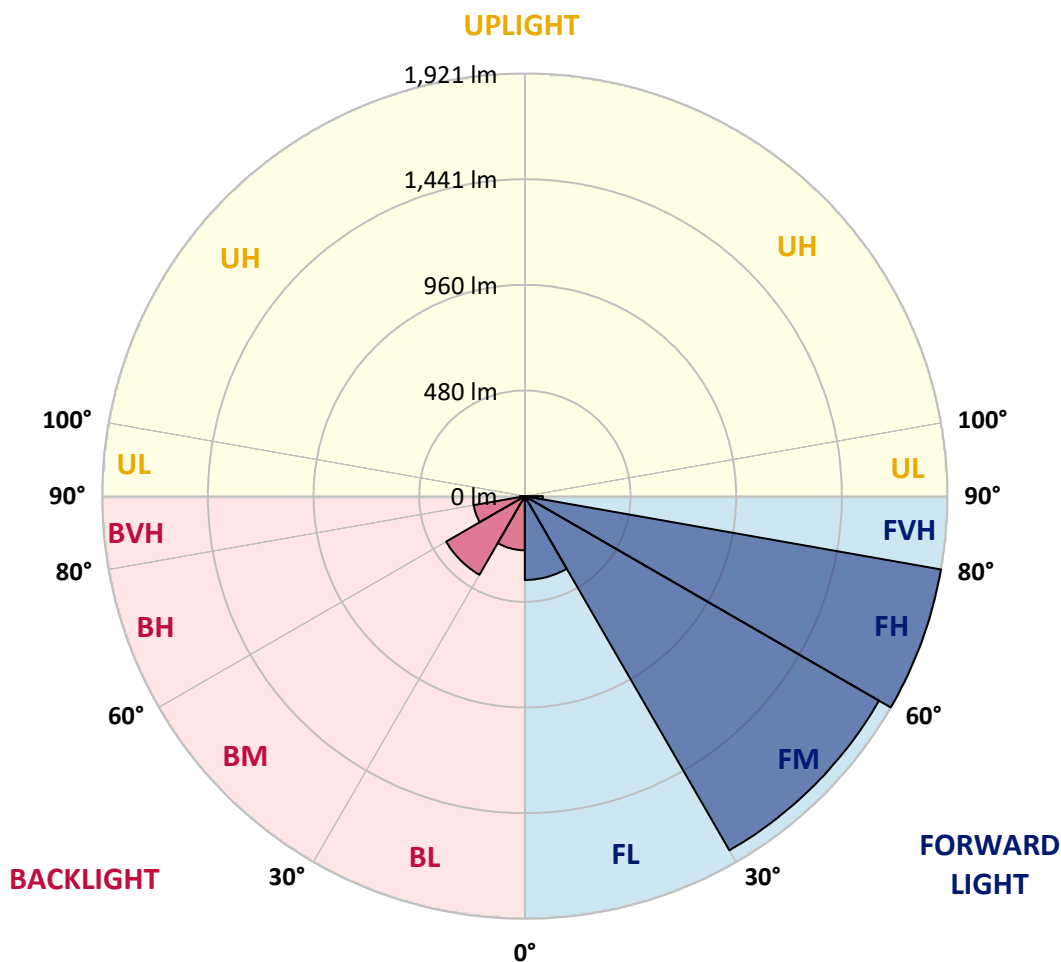
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.0	7.4			
FM (30°-60°)	1859.3	36.0			
FH (60°-80°)	1921.0	37.2			G2/5000
FVH (80°-90°)	81.9	1.6			G1/100
BL (0°-30°)	246.2	4.8	B1/500		
BM (30°-60°)	412.9	8.0	B1/1000		
BH (60°-80°)	236.2	4.6	B1/500		G1/500
BVH (80°-90°)	23.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
2.5°	808.2	812.6	816.7	820.8	824.1	833.1	834.9	844.6	847.2	849.4	852.4
5°	762.9	766.2	770.3	777.0	784.0	800.0	811.1	832.3	844.2	847.9	858.3
7.5°	738.4	739.5	745.0	750.6	758.8	774.4	789.6	822.7	846.4	850.5	872.8
10°	720.5	722.0	727.2	735.0	743.2	757.7	776.6	816.0	854.6	860.9	892.5
12.5°	714.2	713.5	719.4	724.6	736.1	754.3	774.0	816.3	865.7	874.7	921.1
15°	739.5	734.6	738.4	736.5	740.2	758.0	781.4	824.5	879.5	890.6	950.8
17.5°	795.2	791.1	788.5	772.5	762.1	772.2	794.4	836.0	894.0	905.9	977.5
20°	878.4	866.9	857.2	830.5	801.5	798.1	813.7	847.5	907.7	919.2	1005.8
22.5°	973.1	963.8	948.2	901.4	856.5	834.2	838.3	868.7	927.8	940.4	1038.1
25°	1092.7	1092.3	1060.4	997.2	929.3	884.3	875.8	902.5	950.4	962.7	1064.8
27.5°	1229.0	1219.7	1181.8	1100.5	1015.0	946.3	926.3	937.1	968.6	981.3	1086.4
30°	1345.6	1346.7	1308.1	1219.3	1106.4	1006.9	969.0	961.9	980.5	993.1	1106.4
32.5°	1470.4	1464.1	1428.8	1337.4	1205.2	1071.9	996.5	979.8	992.8	1004.6	1134.3
35°	1587.8	1580.7	1550.2	1451.8	1314.0	1143.6	1033.6	1007.6	1021.7	1034.7	1168.4
37.5°	1699.5	1700.7	1666.1	1572.2	1419.5	1228.2	1088.6	1049.6	1064.8	1079.3	1220.4
40°	1797.2	1791.7	1764.9	1680.2	1529.1	1314.4	1150.6	1106.8	1136.5	1149.9	1286.2
42.5°	1828.4	1828.1	1838.5	1786.5	1644.2	1416.9	1227.9	1195.9	1237.9	1257.9	1366.8
45°	1801.3	1809.5	1869.7	1868.2	1759.3	1534.6	1333.3	1304.4	1364.9	1387.6	1465.2
47.5°	1774.6	1786.8	1868.5	1915.0	1862.6	1664.3	1463.0	1441.4	1528.3	1561.0	1567.3
50°	1735.6	1747.1	1844.4	1921.6	1925.7	1795.4	1630.8	1603.7	1715.5	1748.9	1678.4
52.5°	1692.1	1701.0	1801.7	1916.8	1955.8	1897.9	1795.4	1787.6	1916.1	1943.2	1791.3
55°	1452.2	1490.1	1738.9	1906.4	1976.6	1976.2	1955.4	1981.1	2134.8	2175.3	1917.2
57.5°	1314.4	1334.5	1562.1	1900.5	2015.6	2048.7	2120.7	2175.7	2368.4	2404.8	2056.1
60°	1269.5	1287.3	1473.4	1893.4	2093.2	2161.9	2282.3	2371.4	2619.5	2664.1	2211.3
62.5°	1228.6	1250.1	1437.3	1837.3	2187.2	2341.3	2475.0	2583.1	2884.3	2937.1	2365.8
65°	1145.4	1160.6	1371.2	1790.2	2276.3	2597.2	2753.2	2816.4	3141.0	3200.4	2468.4
67.5°	1001.7	1016.2	1222.3	1681.7	2334.3	2863.5	3057.4	3057.8	3339.3	3388.0	2489.9
70°	832.7	843.8	1007.6	1445.5	2213.6	3034.4	3331.9	3215.6	3395.4	3416.6	2387.4
72.5°	595.4	605.0	738.0	1068.5	1815.1	2895.8	3394.3	3208.9	3259.4	3252.8	2095.8
75°	366.9	385.5	452.0	652.2	1128.0	2278.6	3054.8	2907.7	2736.9	2718.3	1578.1
77.5°	239.2	248.8	305.7	384.8	497.7	1308.1	2320.2	2180.1	1728.1	1706.6	848.3
80°	143.7	159.7	200.2	241.8	225.4	500.3	1324.8	1083.0	610.6	603.9	260.7
82.5°	77.3	91.7	141.1	149.7	126.6	176.8	479.9	352.1	195.4	193.1	97.7
85°	61.3	68.3	101.4	94.7	71.7	89.5	187.2	146.7	100.3	98.1	36.8
87.5°	37.1	46.8	76.9	63.9	35.7	32.3	85.8	69.5	47.2	43.8	14.5
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°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
2.5°	857.9	859.8	861.7	857.9	859.4	857.6	857.6	857.6	852.7	851.3	855.7
5°	866.1	868.7	870.2	858.7	851.6	841.2	832.7	819.7	812.3	807.4	807.4
7.5°	882.8	885.8	879.1	853.5	828.6	800.7	772.2	748.4	731.3	723.9	726.1
10°	907.3	908.5	886.2	839.0	785.9	734.3	693.8	662.2	641.0	630.3	628.8
12.5°	935.9	931.1	887.7	807.1	728.3	658.9	609.5	568.6	541.5	531.1	525.9
15°	964.2	952.7	882.1	768.8	663.0	579.4	516.3	477.6	460.9	456.1	454.2
17.5°	989.4	967.9	863.5	713.8	587.2	486.5	440.1	426.4	428.2	432.7	434.5
20°	1012.4	979.4	836.8	648.5	492.5	414.1	402.6	415.2	425.6	432.3	433.4
22.5°	1037.7	990.5	799.6	569.0	414.9	380.7	394.4	408.9	419.3	426.0	427.1
25°	1057.0	990.2	747.3	474.7	365.8	371.8	388.1	401.1	408.9	413.7	413.4
27.5°	1069.3	981.3	678.6	397.0	346.5	365.5	381.1	389.6	394.1	397.8	397.4
30°	1073.0	964.2	592.0	339.8	337.6	359.5	371.4	376.6	379.9	383.7	383.7
32.5°	1080.4	937.8	496.6	307.9	330.9	353.6	360.6	364.7	362.1	352.8	351.0
35°	1088.6	908.5	406.3	293.0	324.6	349.5	356.2	345.4	317.2	313.5	312.0
37.5°	1104.6	881.3	329.8	282.6	323.1	351.7	357.3	314.2	290.4	278.9	277.1
40°	1131.7	854.2	278.6	275.2	325.0	361.4	342.4	299.4	260.0	238.1	234.4
42.5°	1167.3	821.2	249.6	271.5	330.2	377.0	337.2	278.2	235.1	220.2	218.0
45°	1208.6	777.3	235.8	270.8	336.5	384.8	338.7	261.1	224.0	212.4	211.7
47.5°	1251.3	734.3	229.9	270.0	344.3	381.4	318.3	255.9	219.5	216.2	218.4
50°	1297.3	685.2	225.1	268.2	350.6	381.4	307.2	254.8	221.0	228.4	235.8
52.5°	1340.4	644.0	219.5	262.6	353.2	374.7	303.8	258.9	223.2	221.4	223.6
55°	1392.8	622.8	216.5	254.8	348.4	354.3	299.7	270.0	225.1	209.8	209.8
57.5°	1452.6	618.4	212.1	244.4	332.8	326.1	299.4	276.7	220.2	206.1	203.5
60°	1524.6	628.0	206.5	231.4	313.8	304.2	296.8	276.7	212.4	199.8	200.9
62.5°	1582.9	626.9	203.2	219.9	288.6	281.5	291.9	273.0	209.5	199.1	198.7
65°	1596.7	603.2	193.5	205.0	257.4	254.0	286.7	263.7	205.4	195.0	192.0
67.5°	1550.2	549.3	179.0	185.3	224.3	224.7	277.4	251.4	199.8	192.8	187.9
70°	1418.4	444.2	157.5	161.6	188.7	193.5	263.7	237.0	190.5	183.1	171.6
72.5°	1187.0	319.4	132.6	133.7	150.0	162.7	239.9	217.3	176.8	159.3	147.1
75°	878.7	212.1	108.1	106.6	112.5	132.2	205.0	195.4	159.0	132.2	125.9
77.5°	464.6	125.5	83.2	83.6	79.9	101.4	162.7	169.7	141.1	111.4	105.1
80°	159.0	75.4	59.8	62.4	56.5	72.4	120.7	141.1	120.7	92.9	82.1
82.5°	72.8	46.1	42.7	44.6	40.5	49.0	82.8	107.0	96.2	67.6	54.6
85°	36.8	27.5	27.5	30.1	26.7	25.3	45.7	70.9	70.6	46.4	40.1
87.5°	15.2	13.4	12.6	14.5	12.6	9.7	13.0	25.6	37.1	27.9	17.8
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)