

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: P671349

Luminaire Tested: **CCP-SA-1D-722-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671349
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-722-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL3 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

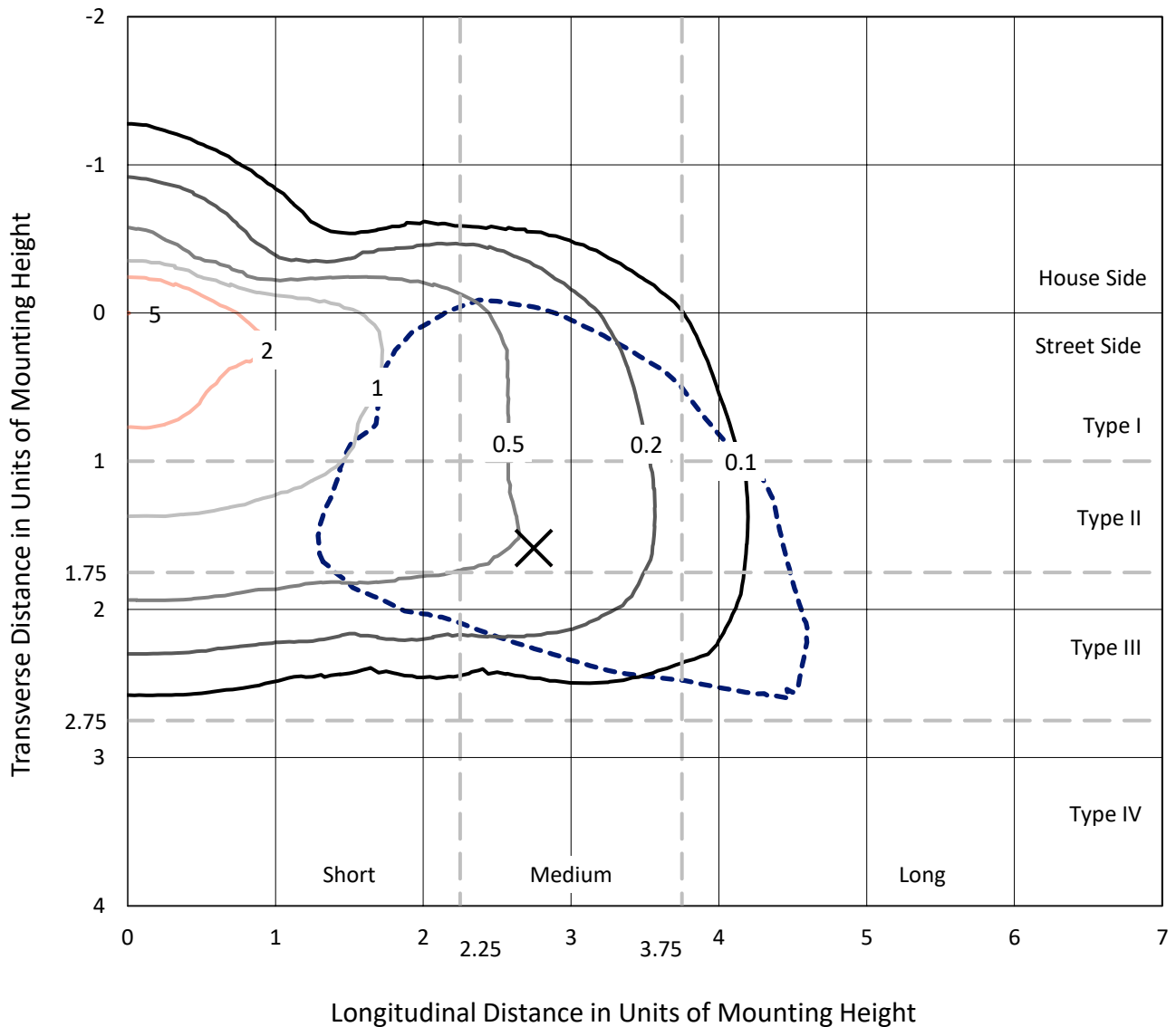
Lumens per Lamp: N/A
Luminaire Lumens: 4061.7 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

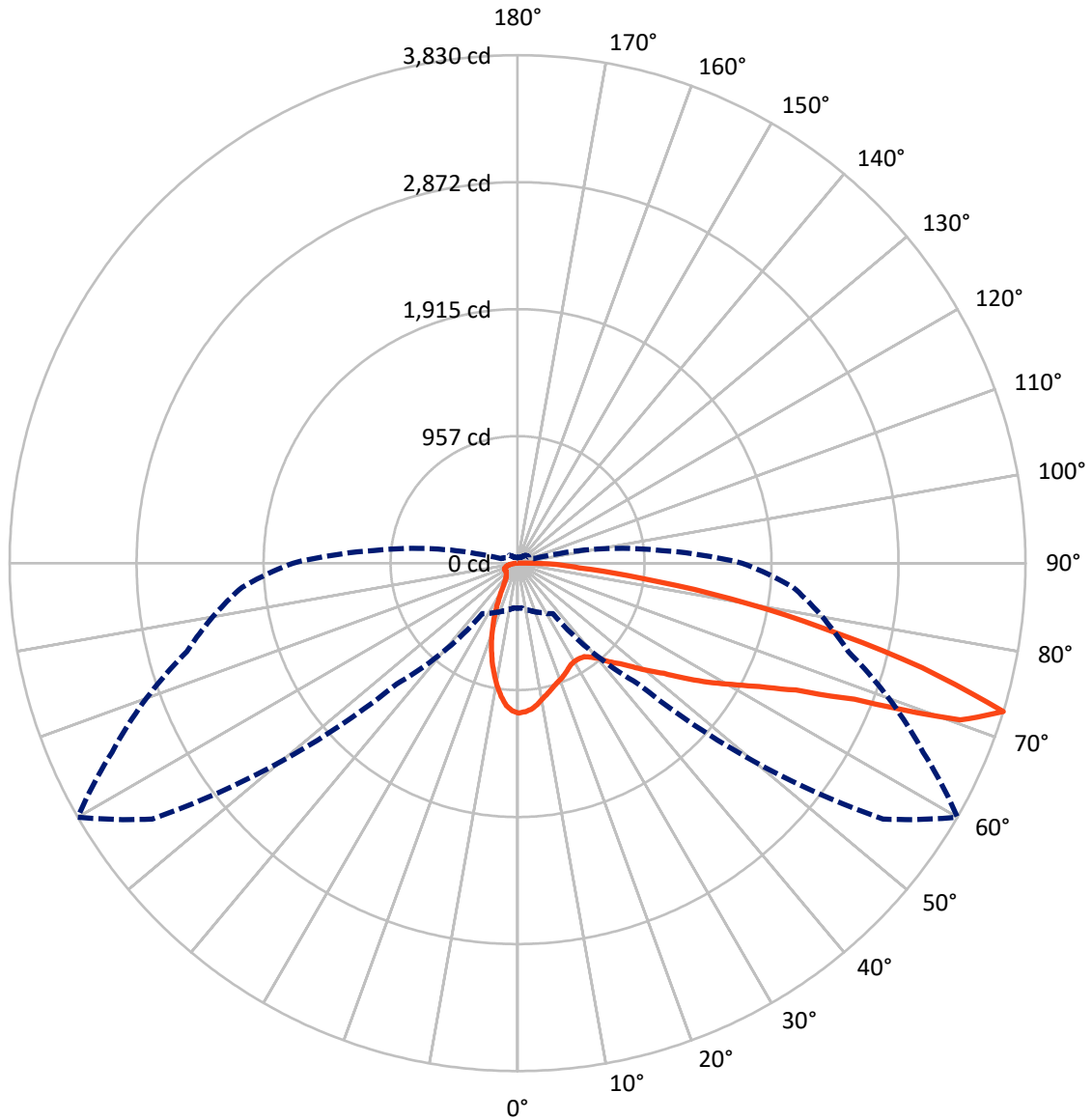
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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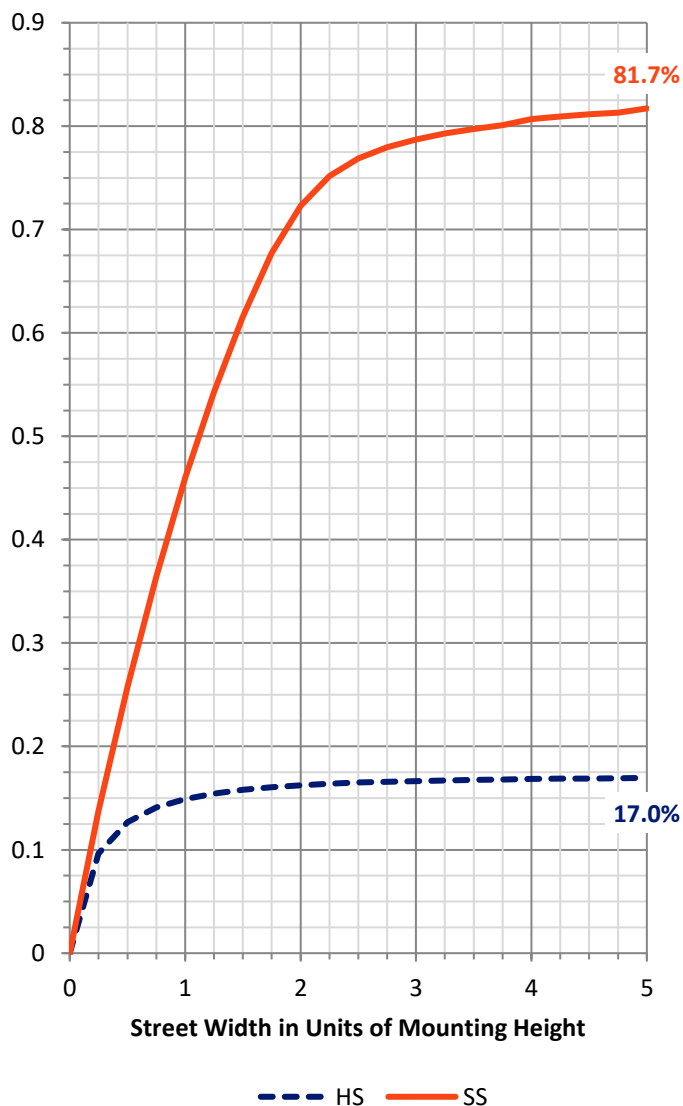
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	697.7	0.0	697.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3363.9	0.0	3363.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	4061.7	0.0	4061.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	2.4
10°-20°	222.3	5.5
20°-30°	284.5	7.0
30°-40°	363.9	9.0
40°-50°	499.2	12.3
50°-60°	722.0	17.8
60°-70°	990.4	24.4
70°-80°	743.2	18.3
80°-90°	138.1	3.4
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°	4061.7	100.0
0°-180°	4061.7	100.0



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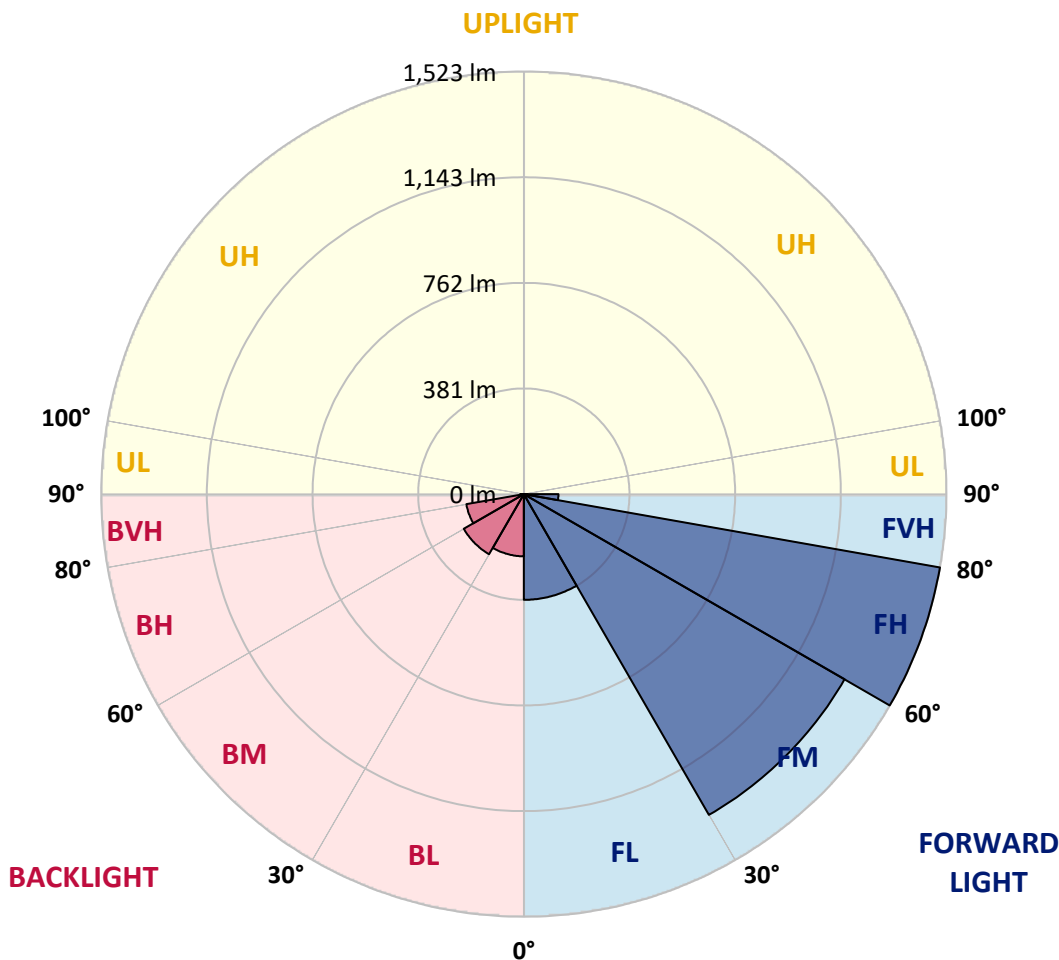
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.8	9.4			
FM (30°-60°)	1335.0	32.9			
FH (60°-80°)	1523.4	37.5			G1/1800
FVH (80°-90°)	124.7	3.1			G2/225
BL (0°-30°)	224.0	5.5	B1/500		
BM (30°-60°)	250.0	6.2	B1/1000		
BH (60°-80°)	210.3	5.2	B1/500		G1/500
BVH (80°-90°)	13.5	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1106.8	1117.4	1120.4	1120.4	1129.5	1118.9	1134.0	1121.9	1124.9	1129.5	1126.4
5°	1053.9	1072.0	1061.4	1081.1	1073.5	1087.1	1105.3	1105.3	1100.7	1109.8	1102.2
7.5°	1002.5	996.4	1014.6	1014.6	1026.6	1044.8	1059.9	1075.0	1076.5	1079.6	1078.1
10°	932.9	940.5	949.5	961.6	976.8	994.9	1026.6	1038.7	1041.8	1059.9	1055.4
12.5°	875.4	886.0	892.1	916.3	929.9	955.6	991.9	1008.5	1010.0	1035.7	1035.7
15°	833.1	839.2	852.8	861.8	892.1	928.4	963.1	978.3	994.9	1022.1	1014.6
17.5°	804.4	811.9	818.0	830.1	858.8	889.1	943.5	952.6	972.2	1011.5	1002.5
20°	787.8	789.3	798.3	805.9	831.6	860.3	908.7	932.9	958.6	993.4	984.3
22.5°	790.8	784.7	783.2	793.8	798.3	825.6	884.5	910.2	946.5	987.3	972.2
25°	796.8	798.3	795.3	786.2	787.8	811.9	851.3	884.5	925.3	985.8	955.6
27.5°	811.9	819.5	807.4	798.3	789.3	798.3	839.2	863.4	908.7	993.4	954.1
30°	827.1	834.6	831.6	818.0	799.8	796.8	825.6	855.8	899.6	999.4	954.1
32.5°	849.7	860.3	849.7	854.3	833.1	819.5	830.1	857.3	908.7	1020.6	955.6
35°	875.4	884.5	887.5	877.0	872.4	846.7	852.8	866.4	917.8	1044.8	970.7
37.5°	904.2	914.8	923.8	925.3	910.2	895.1	892.1	899.6	940.5	1087.1	987.3
40°	923.8	929.9	948.0	963.1	967.7	946.5	945.0	945.0	981.3	1124.9	1017.6
42.5°	957.1	954.1	979.8	1007.0	1014.6	1002.5	1005.5	1017.6	1038.7	1179.4	1066.0
45°	973.7	970.7	1000.9	1046.3	1081.1	1075.0	1078.1	1082.6	1102.2	1265.5	1147.6
47.5°	996.4	999.4	1043.3	1094.7	1131.0	1152.1	1168.8	1167.3	1182.4	1353.2	1238.3
50°	1019.1	1025.1	1078.1	1132.5	1196.0	1232.3	1256.5	1273.1	1288.2	1445.5	1342.7
52.5°	1062.9	1069.0	1128.0	1186.9	1268.6	1321.5	1382.0	1380.5	1382.0	1537.7	1447.0
55°	1126.4	1128.0	1162.7	1230.8	1341.1	1437.9	1521.1	1530.1	1504.4	1652.6	1566.4
57.5°	1199.0	1205.1	1235.3	1286.7	1398.6	1549.8	1676.8	1695.0	1625.4	1746.4	1675.3
60°	1267.1	1271.6	1318.5	1377.4	1498.4	1690.4	1834.1	1855.2	1779.6	1861.3	1788.7
62.5°	1189.9	1212.6	1295.8	1430.4	1673.8	1903.6	2033.6	2047.3	1929.3	1977.7	1909.7
65°	952.6	967.7	1087.1	1304.9	1685.9	2290.7	2342.1	2305.8	2134.9	2127.4	2092.6
67.5°	530.7	542.8	624.5	852.8	1419.8	2435.8	3005.9	2739.7	2454.0	2352.7	2340.6
70°	418.8	421.8	432.4	479.3	787.8	2147.0	3529.0	3541.1	2975.6	2662.6	2393.5
72.5°	340.2	338.7	370.4	411.3	465.7	1288.2	3364.2	3829.9	3374.8	2581.0	2085.1
75°	260.1	264.6	305.4	364.4	426.4	606.3	2509.9	3151.0	3161.6	2405.6	1758.5
77.5°	198.1	199.6	244.9	322.1	417.3	427.9	1637.5	2348.1	2358.7	1862.8	969.2
80°	148.2	148.2	186.0	272.2	406.7	394.6	1008.5	1628.4	1474.2	654.7	211.7
82.5°	84.7	90.7	124.0	207.1	368.9	379.5	568.5	932.9	622.9	178.4	98.3
85°	45.4	46.9	75.6	139.1	303.9	362.9	433.9	464.2	248.0	95.3	45.4
87.5°	16.6	16.6	34.8	71.1	192.0	269.1	344.7	296.4	142.1	43.8	22.7
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°	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1129.5	1123.4	1118.9	1123.4	1106.8	1099.2	1108.3	1103.8	1094.7	1090.2	1087.1
5°	1106.8	1099.2	1091.7	1087.1	1069.0	1050.8	1041.8	1023.6	1008.5	1013.0	1004.0
7.5°	1082.6	1075.0	1052.4	1031.2	994.9	958.6	942.0	916.3	907.2	899.6	895.1
10°	1052.4	1038.7	1004.0	961.6	908.7	867.9	825.6	795.3	763.6	750.0	754.5
12.5°	1014.6	1007.0	952.6	887.5	813.5	745.4	695.5	647.1	604.8	582.1	576.1
15°	997.9	975.2	896.6	810.4	716.7	632.0	557.9	473.3	423.4	399.2	399.2
17.5°	979.8	937.4	843.7	725.8	618.4	509.5	405.2	328.1	288.8	275.2	275.2
20°	951.0	904.2	781.7	645.6	515.6	384.0	290.3	248.0	235.9	226.8	228.3
22.5°	929.9	872.4	724.2	567.0	408.2	285.8	228.3	214.7	210.2	207.1	208.7
25°	905.7	834.6	663.8	482.3	320.5	225.3	198.1	192.0	195.0	196.6	196.6
27.5°	886.0	802.9	601.8	391.6	241.9	190.5	178.4	176.9	183.0	186.0	187.5
30°	872.4	774.1	541.3	308.4	193.5	169.3	163.3	163.3	170.9	173.9	175.4
32.5°	858.8	750.0	476.3	235.9	164.8	151.2	149.7	151.2	155.7	155.7	157.2
35°	863.4	727.3	414.3	190.5	148.2	139.1	139.1	139.1	140.6	142.1	142.1
37.5°	872.4	721.2	347.8	160.3	136.1	130.0	130.0	128.5	130.0	128.5	130.0
40°	881.5	712.2	287.3	142.1	128.5	124.0	122.5	119.4	117.9	117.9	119.4
42.5°	919.3	724.2	235.9	130.0	122.5	119.4	114.9	111.9	110.4	110.4	110.4
45°	967.7	746.9	195.0	124.0	117.9	110.4	107.4	105.8	102.8	104.3	105.8
47.5°	1040.3	781.7	170.9	119.4	113.4	104.3	101.3	98.3	98.3	101.3	101.3
50°	1135.5	839.2	155.7	114.9	108.9	99.8	95.3	93.7	93.7	98.3	98.3
52.5°	1238.3	905.7	149.7	113.4	104.3	95.3	90.7	89.2	89.2	95.3	95.3
55°	1341.1	987.3	154.2	113.4	101.3	90.7	86.2	83.2	84.7	89.2	89.2
57.5°	1454.5	1075.0	176.9	113.4	98.3	89.2	83.2	78.6	80.1	81.6	81.6
60°	1578.5	1189.9	216.2	113.4	96.8	86.2	78.6	72.6	72.6	74.1	74.1
62.5°	1704.0	1303.3	272.2	114.9	98.3	84.7	72.6	66.5	65.0	66.5	66.5
65°	1868.8	1484.8	328.1	114.9	102.8	81.6	68.0	60.5	59.0	59.0	60.5
67.5°	2100.2	1614.8	254.0	110.4	105.8	81.6	63.5	55.9	52.9	52.9	52.9
70°	1977.7	1362.3	161.8	102.8	101.3	84.7	60.5	51.4	48.4	46.9	46.9
72.5°	1693.4	1090.2	130.0	96.8	93.7	83.2	57.5	48.4	43.8	42.3	42.3
75°	1357.8	860.3	113.4	87.7	81.6	69.6	52.9	43.8	40.8	37.8	37.8
77.5°	665.3	359.9	86.2	77.1	69.6	52.9	46.9	40.8	36.3	33.3	33.3
80°	166.3	125.5	63.5	60.5	51.4	40.8	37.8	34.8	31.8	28.7	28.7
82.5°	89.2	74.1	45.4	40.8	34.8	28.7	28.7	27.2	25.7	22.7	21.2
85°	45.4	43.8	30.2	27.2	22.7	18.1	19.7	19.7	18.1	13.6	13.6
87.5°	24.2	24.2	15.1	12.1	10.6	9.1	9.1	9.1	7.6	6.0	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

(END OF REPORT)