

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: P672301

Luminaire Tested: **CCP-SA-1D-830-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672301
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-830-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

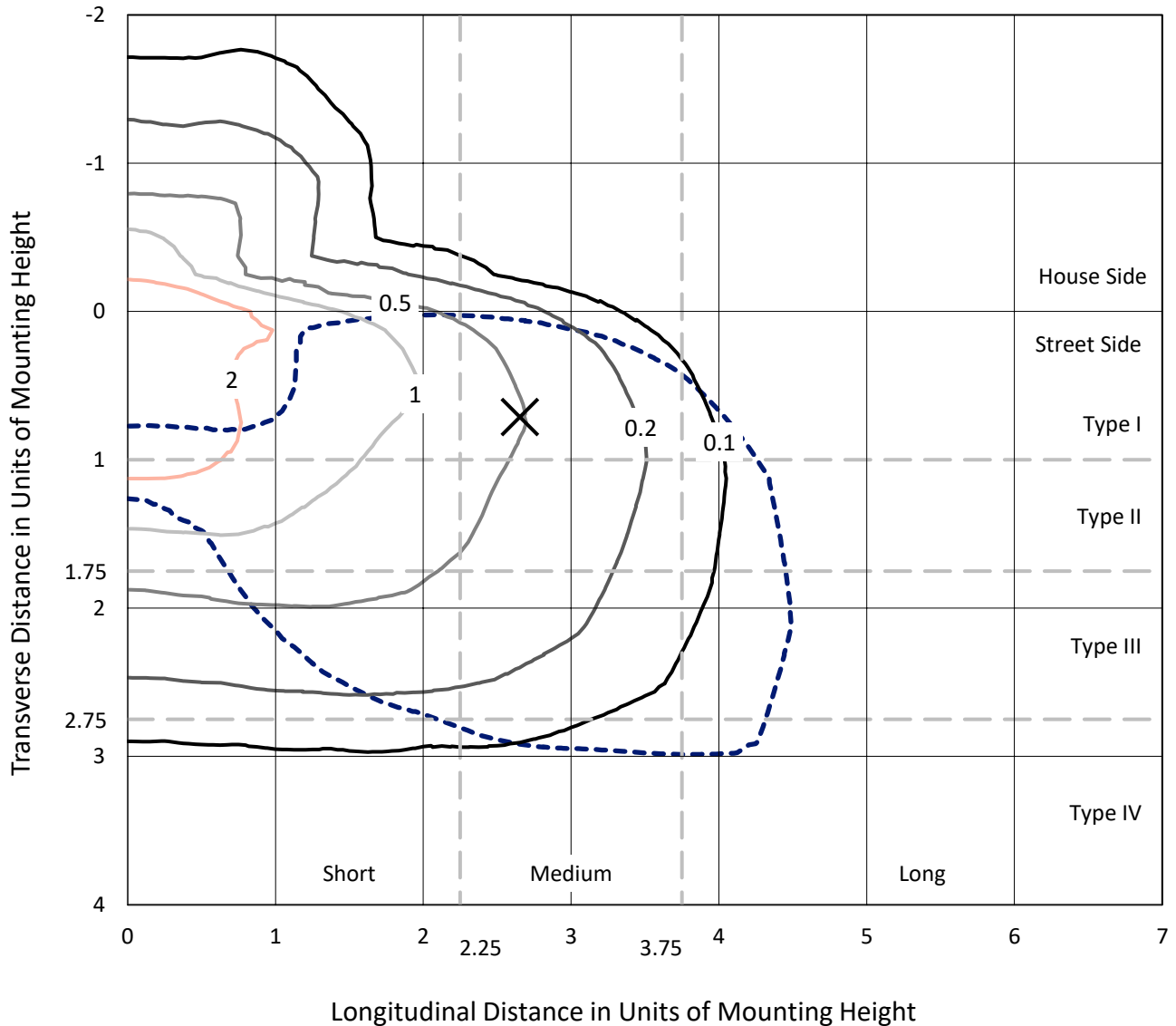
Lumens per Lamp: N/A
Luminaire Lumens: 4504 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

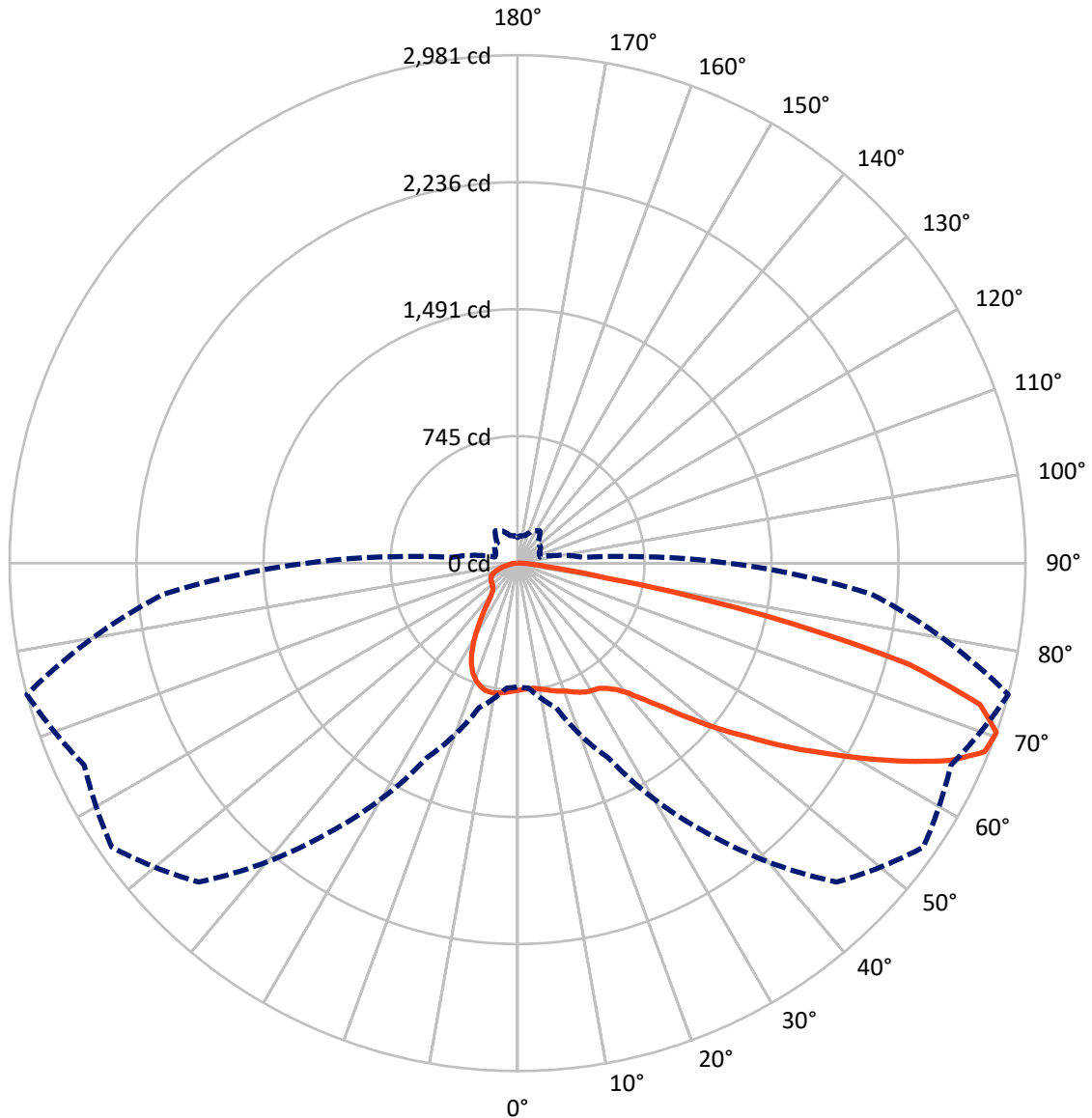
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 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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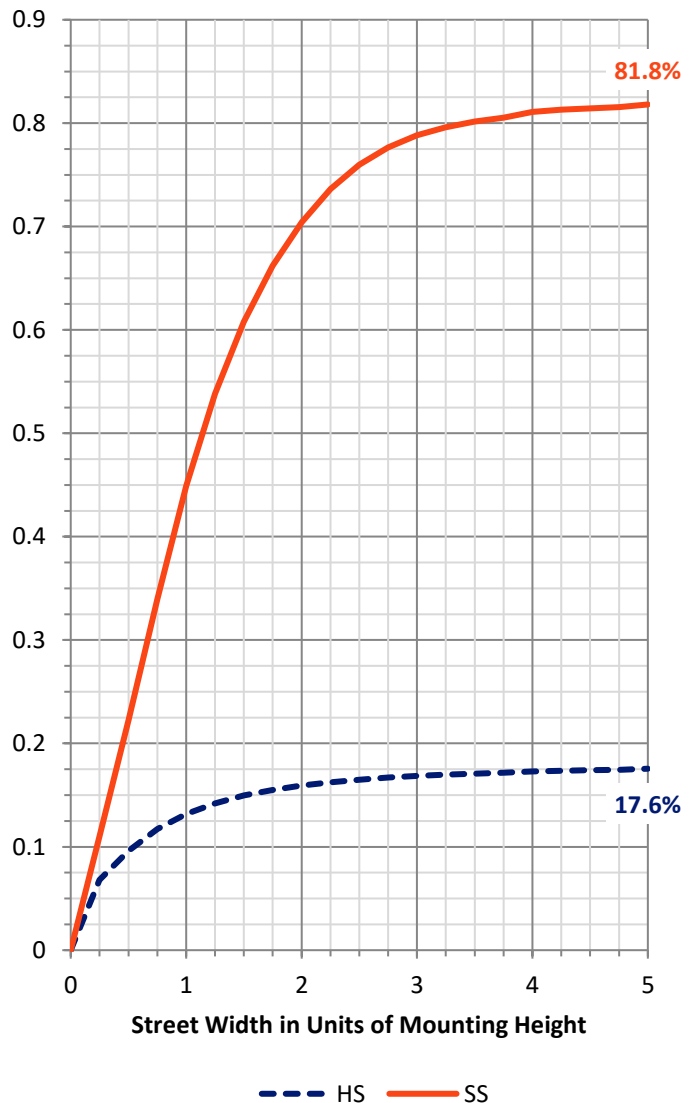
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.3	0.0	801.3
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	3702.7	0.0	3702.7
	% Fixture	82.2	0.0	82.2
Total	Lumens	4504.0	0.0	4504.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	1.5
10°-20°	178.9	4.0
20°-30°	301.3	6.7
30°-40°	457.7	10.2
40°-50°	655.7	14.6
50°-60°	869.3	19.3
60°-70°	1087.9	24.2
70°-80°	794.5	17.6
80°-90°	91.6	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°	4504.0	100.0
0°-180°	4504.0	100.0



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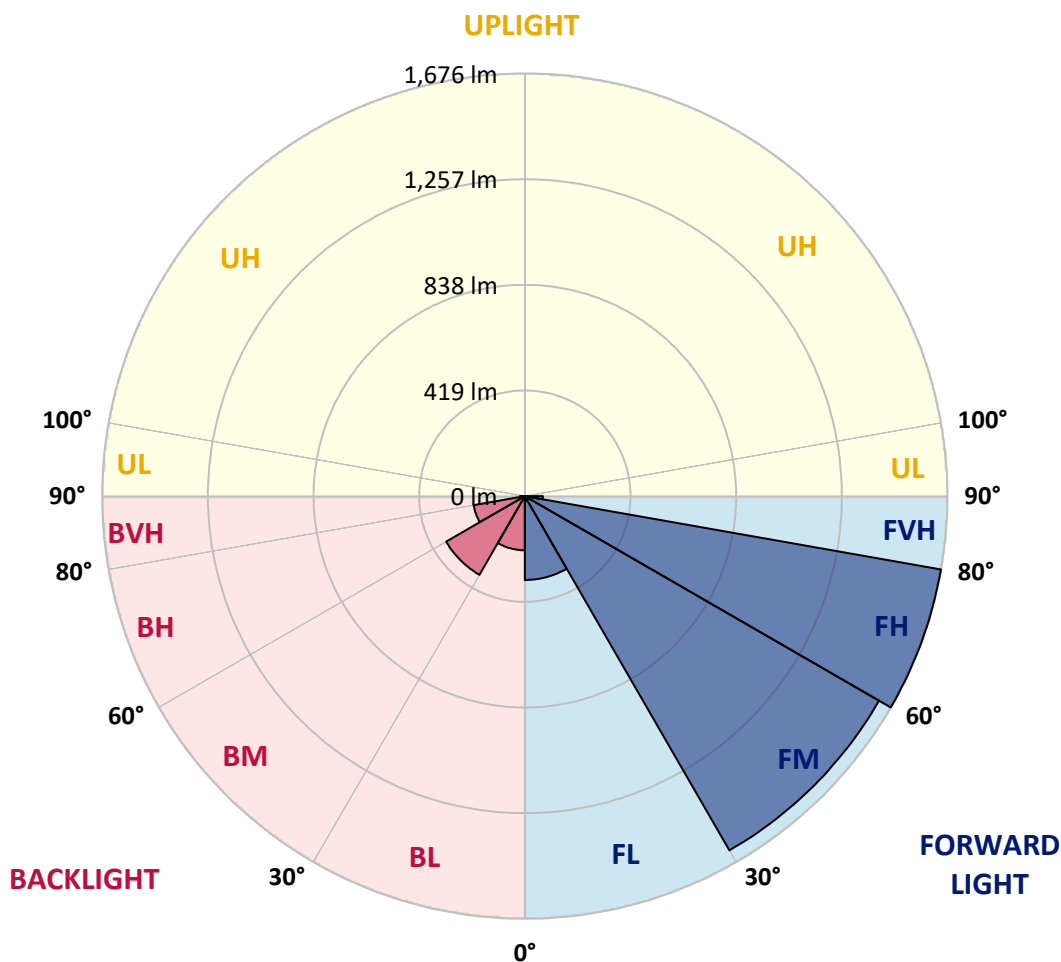
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.4	7.4			
FM (30°-60°)	1622.5	36.0			
FH (60°-80°)	1676.3	37.2			G1/1800
FVH (80°-90°)	71.5	1.6			G1/100
BL (0°-30°)	214.8	4.8	B1/500		
BM (30°-60°)	360.3	8.0	B1/1000		
BH (60°-80°)	206.1	4.6	B1/500		G1/500
BVH (80°-90°)	20.1	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-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1
2.5°	705.2	709.1	712.7	716.2	719.2	726.9	728.6	737.0	739.3	741.2	743.8
5°	665.7	668.6	672.2	678.0	684.2	698.1	707.8	726.3	736.7	739.9	749.0
7.5°	644.3	645.3	650.1	655.0	662.1	675.7	689.0	717.9	738.6	742.2	761.6
10°	628.7	630.0	634.6	641.4	648.5	661.1	677.7	712.0	745.7	751.2	778.8
12.5°	623.2	622.6	627.8	632.3	642.4	658.2	675.4	712.4	755.5	763.2	803.7
15°	645.3	641.1	644.3	642.7	645.9	661.5	681.9	719.5	767.4	777.2	829.7
17.5°	693.9	690.3	688.0	674.1	665.0	673.8	693.2	729.5	780.1	790.5	853.0
20°	766.5	756.4	748.0	724.7	699.4	696.5	710.1	739.6	792.1	802.1	877.6
22.5°	849.1	841.0	827.4	786.6	747.4	727.9	731.5	758.1	809.6	820.6	905.8
25°	953.5	953.2	925.3	870.2	810.9	771.7	764.2	787.5	829.4	840.0	929.2
27.5°	1072.4	1064.3	1031.3	960.3	885.7	825.8	808.3	817.7	845.2	856.3	948.0
30°	1174.2	1175.2	1141.5	1064.0	965.5	878.6	845.6	839.4	855.6	866.6	965.5
32.5°	1283.1	1277.6	1246.8	1167.1	1051.7	935.3	869.5	855.0	866.3	876.7	989.8
35°	1385.5	1379.3	1352.8	1266.9	1146.6	997.9	901.9	879.3	891.6	902.9	1019.6
37.5°	1483.0	1484.0	1453.9	1371.9	1238.7	1071.8	949.9	915.9	929.2	941.8	1065.0
40°	1568.3	1563.4	1540.1	1466.2	1334.3	1147.0	1004.0	965.8	991.7	1003.4	1122.3
42.5°	1595.5	1595.2	1604.3	1558.9	1434.8	1236.4	1071.4	1043.6	1080.2	1097.7	1192.7
45°	1571.8	1579.0	1631.5	1630.2	1535.2	1339.1	1163.5	1138.2	1191.0	1210.8	1278.5
47.5°	1548.5	1559.2	1630.5	1671.0	1625.3	1452.3	1276.6	1257.8	1333.6	1362.2	1367.7
50°	1514.5	1524.5	1609.4	1676.9	1680.4	1566.7	1423.1	1399.4	1497.0	1526.1	1464.6
52.5°	1476.6	1484.3	1572.2	1672.6	1706.7	1656.1	1566.7	1559.9	1672.0	1695.6	1563.1
55°	1267.2	1300.3	1517.4	1663.6	1724.8	1724.5	1706.3	1728.7	1862.9	1898.2	1673.0
57.5°	1147.0	1164.5	1363.1	1658.4	1758.8	1787.7	1850.6	1898.5	2066.7	2098.5	1794.2
60°	1107.7	1123.3	1285.7	1652.2	1826.6	1886.5	1991.5	2069.3	2285.8	2324.7	1929.6
62.5°	1072.1	1090.9	1254.2	1603.3	1908.6	2043.1	2159.7	2254.1	2516.9	2562.9	2064.5
65°	999.5	1012.8	1196.5	1562.1	1986.4	2266.4	2402.5	2457.6	2740.8	2792.7	2153.9
67.5°	874.1	886.7	1066.6	1467.5	2036.9	2498.7	2667.9	2668.2	2913.9	2956.4	2172.7
70°	726.6	736.3	879.3	1261.4	1931.6	2647.8	2907.4	2806.0	2962.8	2981.3	2083.3
72.5°	519.5	527.9	644.0	932.4	1583.8	2526.9	2961.9	2800.2	2844.2	2838.4	1828.9
75°	320.2	336.4	394.4	569.1	984.3	1988.3	2665.7	2537.3	2388.2	2372.0	1377.1
77.5°	208.7	217.1	266.7	335.8	434.3	1141.5	2024.6	1902.4	1508.0	1489.2	740.2
80°	125.4	139.4	174.7	211.0	196.7	436.6	1156.0	945.1	532.8	527.0	227.5
82.5°	67.4	80.1	123.2	130.6	110.5	154.3	418.7	307.2	170.5	168.5	85.2
85°	53.5	59.6	88.5	82.6	62.5	78.1	163.3	128.0	87.5	85.6	32.1
87.5°	32.4	40.8	67.1	55.7	31.1	28.2	74.9	60.6	41.2	38.2	12.6
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°	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1
2.5°	748.7	750.3	751.9	748.7	749.9	748.3	748.3	748.3	744.1	742.8	746.7
5°	755.8	758.1	759.3	749.3	743.1	734.1	726.6	715.3	708.8	704.6	704.6
7.5°	770.4	773.0	767.1	744.8	723.0	698.7	673.8	653.0	638.1	631.7	633.6
10°	791.8	792.7	773.3	732.1	685.8	640.7	605.4	577.9	559.4	550.0	548.7
12.5°	816.7	812.5	774.6	704.3	635.5	574.9	531.8	496.2	472.5	463.5	458.9
15°	841.3	831.3	769.7	670.9	578.5	505.6	450.5	416.8	402.2	398.0	396.4
17.5°	863.4	844.6	753.5	622.9	512.4	424.6	384.0	372.1	373.7	377.6	379.2
20°	883.5	854.6	730.2	565.9	429.7	361.4	351.3	362.3	371.4	377.2	378.2
22.5°	905.5	864.4	697.8	496.5	362.0	332.2	344.2	356.8	365.9	371.7	372.7
25°	922.4	864.0	652.1	414.2	319.2	324.4	338.7	350.0	356.8	361.0	360.7
27.5°	933.1	856.3	592.1	346.5	302.4	318.9	332.5	340.0	343.9	347.1	346.8
30°	936.3	841.3	516.6	296.5	294.6	313.7	324.1	328.6	331.5	334.8	334.8
32.5°	942.8	818.3	433.3	268.7	288.8	308.5	314.7	318.3	316.0	307.9	306.3
35°	949.9	792.7	354.6	255.7	283.3	305.0	310.8	301.4	276.8	273.5	272.2
37.5°	963.8	769.1	287.8	246.6	282.0	306.9	311.8	274.2	253.4	243.4	241.8
40°	987.5	745.4	243.1	240.2	283.6	315.3	298.8	261.2	226.9	207.7	204.5
42.5°	1018.6	716.6	217.8	236.9	288.1	329.0	294.3	242.7	205.2	192.2	190.2
45°	1054.6	678.3	205.8	236.3	293.6	335.8	295.6	227.8	195.4	185.4	184.7
47.5°	1091.9	640.7	200.6	235.6	300.4	332.8	277.7	223.3	191.5	188.6	190.6
50°	1132.1	597.9	196.4	234.0	305.9	332.8	268.0	222.3	192.8	199.3	205.8
52.5°	1169.6	562.0	191.5	229.1	308.2	327.0	265.1	225.9	194.8	193.2	195.1
55°	1215.3	543.5	188.9	222.3	304.0	309.2	261.5	235.6	196.4	183.1	183.1
57.5°	1267.5	539.6	185.1	213.3	290.4	284.6	261.2	241.4	192.2	179.9	177.6
60°	1330.4	548.0	180.2	201.9	273.9	265.4	258.9	241.4	185.4	174.4	175.3
62.5°	1381.3	547.1	177.3	191.9	251.8	245.7	254.7	238.2	182.8	173.7	173.4
65°	1393.3	526.3	168.9	178.9	224.6	221.7	250.2	230.1	179.2	170.1	167.6
67.5°	1352.8	479.3	156.2	161.7	195.8	196.1	242.1	219.4	174.4	168.2	164.0
70°	1237.7	387.6	137.4	141.0	164.6	168.9	230.1	206.8	166.3	159.8	149.7
72.5°	1035.8	278.7	115.7	116.7	130.9	142.0	209.4	189.6	154.3	139.0	128.3
75°	766.8	185.1	94.3	93.0	98.2	115.4	178.9	170.5	138.7	115.4	109.9
77.5°	405.4	109.5	72.6	72.9	69.7	88.5	142.0	148.1	123.2	97.2	91.7
80°	138.7	65.8	52.2	54.4	49.3	63.2	105.3	123.2	105.3	81.0	71.6
82.5°	63.5	40.2	37.3	38.9	35.3	42.8	72.3	93.3	83.9	59.0	47.6
85°	32.1	24.0	24.0	26.3	23.3	22.0	39.9	61.9	61.6	40.5	35.0
87.5°	13.3	11.7	11.0	12.6	11.0	8.4	11.3	22.4	32.4	24.3	15.6
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)