

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: P672100

Luminaire Tested: **CCP-SA-1B-735-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672100
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

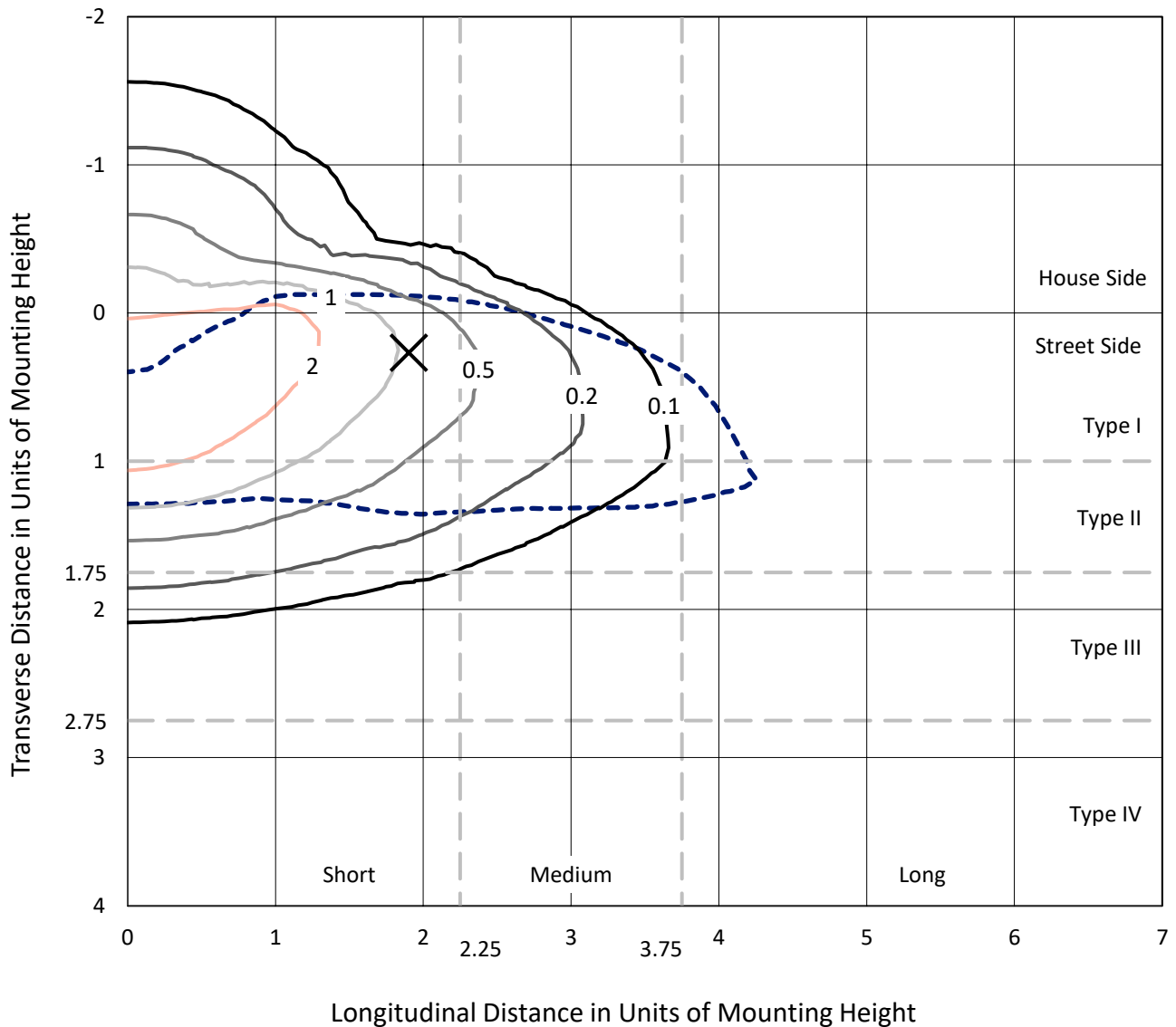
Lumens per Lamp: N/A
Luminaire Lumens: 3460 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

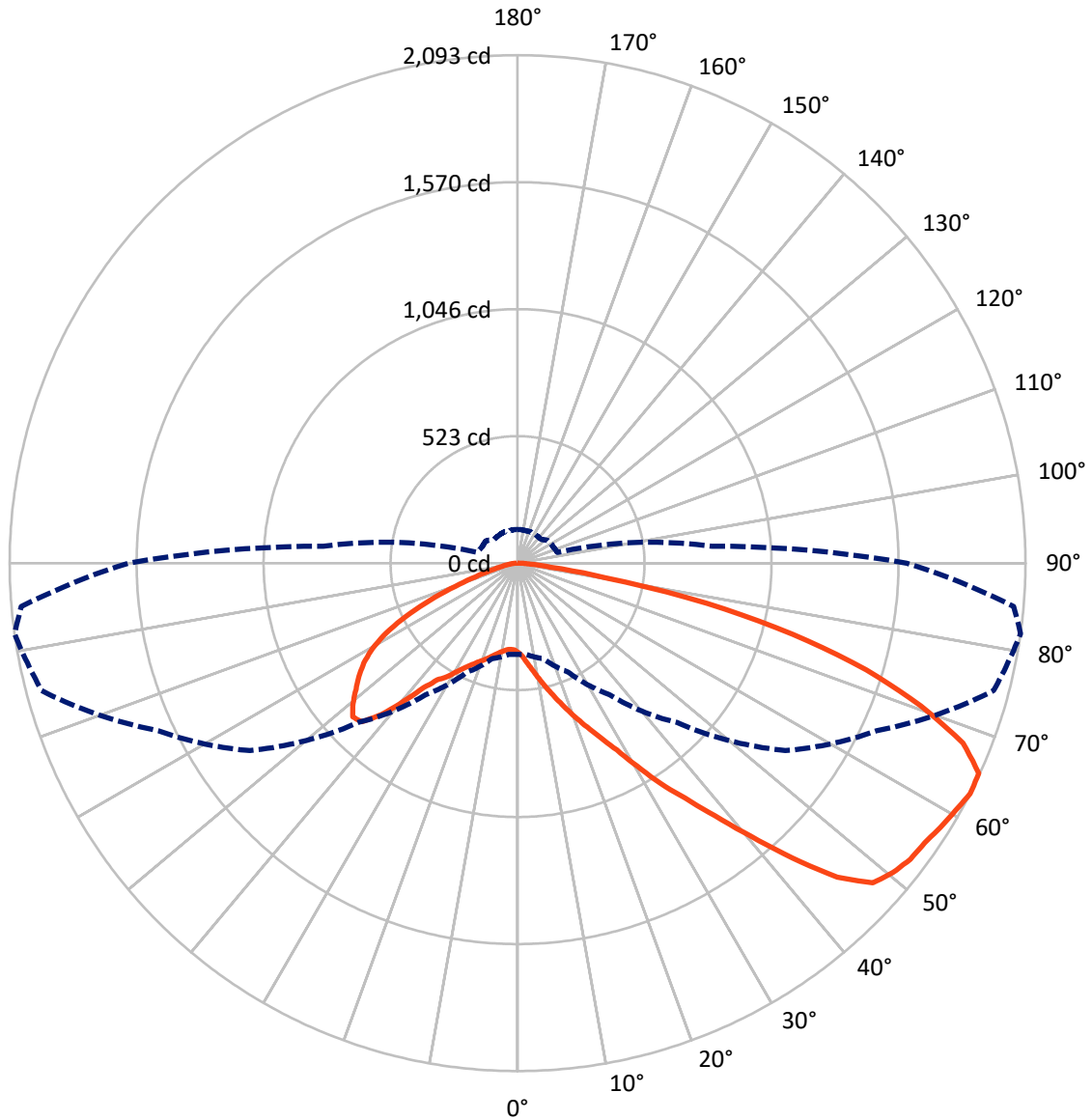
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 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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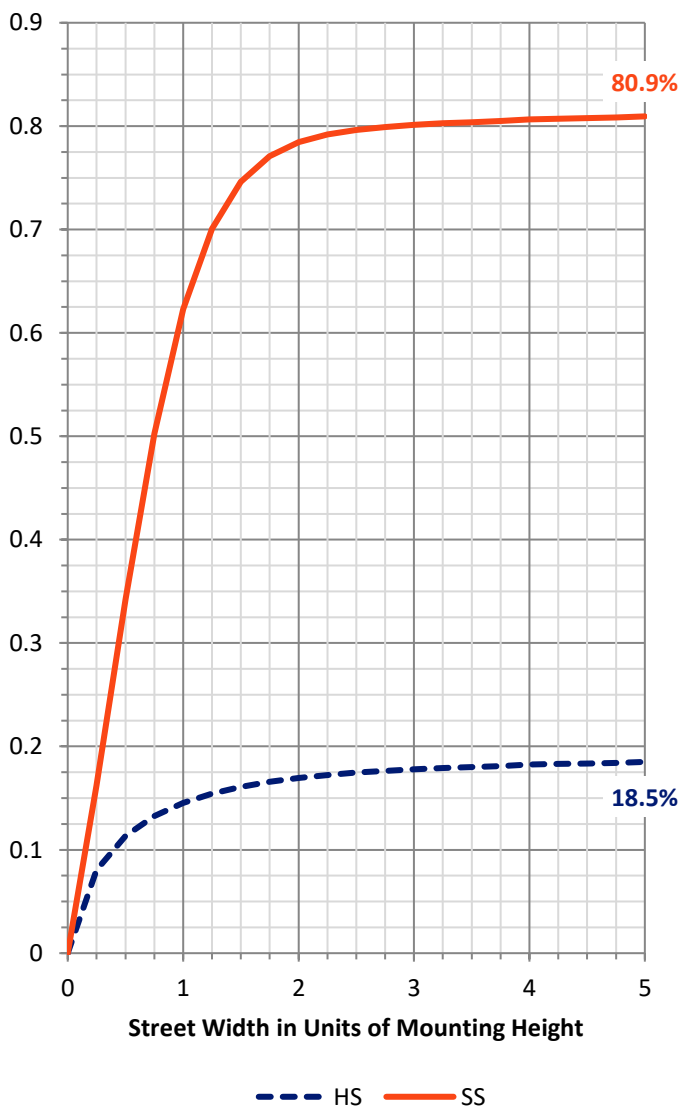
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.8	0.0	651.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2808.1	0.0	2808.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	3460.0	0.0	3460.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	1.2
10°-20°	153.6	4.4
20°-30°	318.0	9.2
30°-40°	539.8	15.6
40°-50°	735.1	21.2
50°-60°	744.1	21.5
60°-70°	586.4	16.9
70°-80°	288.9	8.3
80°-90°	53.4	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°	3460.0	100.0
0°-180°	3460.0	100.0



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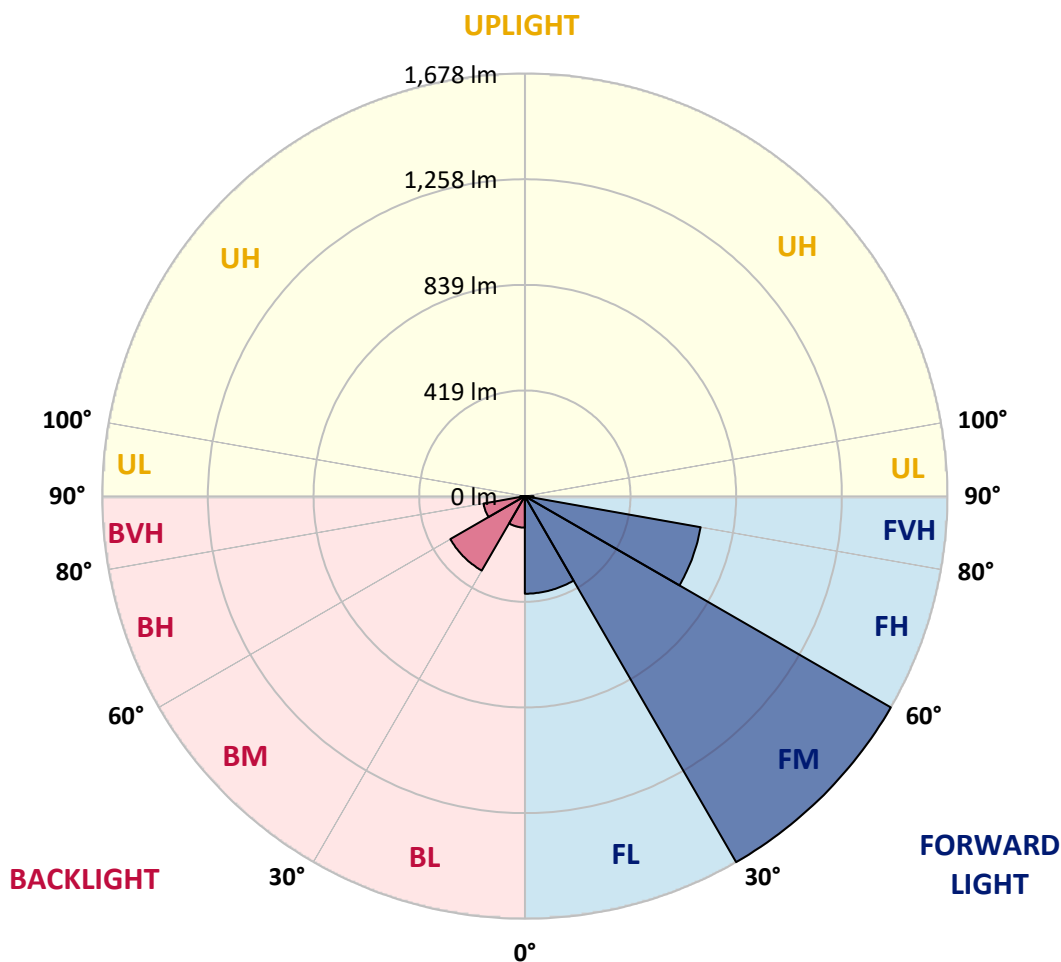
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.3	11.2			
FM (30°-60°)	1677.5	48.5			
FH (60°-80°)	708.7	20.5			G1/1800
FVH (80°-90°)	34.7	1.0			G1/100
BL (0°-30°)	125.1	3.6	B1/500		
BM (30°-60°)	341.4	9.9	B1/1000		
BH (60°-80°)	166.6	4.8	B1/500		G1/500
BVH (80°-90°)	18.7	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°	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9
2.5°	490.0	482.5	478.6	474.1	461.6	453.6	438.7	421.3	401.1	383.9	380.7
5°	593.4	585.9	586.9	576.0	557.8	540.8	512.9	480.0	441.7	412.3	402.1
7.5°	666.4	658.2	660.2	655.7	641.0	622.3	586.9	544.6	488.5	444.9	428.5
10°	715.2	716.2	717.7	716.0	706.5	693.3	658.2	611.3	541.6	483.5	461.1
12.5°	770.5	773.3	772.8	773.5	768.5	758.1	723.7	679.6	598.1	525.1	496.0
15°	841.0	838.3	840.5	843.8	838.3	826.8	796.4	744.1	657.4	571.5	535.4
17.5°	918.2	912.5	918.5	915.3	911.3	903.8	870.4	814.6	718.7	621.5	579.2
20°	985.0	981.3	984.5	985.0	985.8	984.3	949.9	890.6	783.0	676.1	626.5
22.5°	1060.0	1058.2	1057.7	1058.0	1058.7	1060.5	1037.1	973.8	854.2	733.4	677.6
25°	1164.9	1163.1	1151.7	1139.0	1131.5	1137.0	1124.8	1068.2	932.9	797.7	733.6
27.5°	1282.5	1279.7	1264.5	1232.4	1208.5	1212.5	1211.2	1172.3	1023.6	871.4	800.9
30°	1404.5	1397.8	1376.9	1331.8	1294.2	1287.2	1290.7	1277.7	1137.7	969.3	894.6
32.5°	1513.4	1500.9	1473.3	1427.7	1382.8	1362.7	1363.2	1368.9	1261.8	1083.4	992.7
35°	1579.9	1571.7	1551.0	1504.9	1454.8	1441.4	1437.7	1466.3	1375.6	1189.0	1080.7
37.5°	1615.8	1607.8	1585.6	1548.5	1510.6	1505.2	1512.1	1556.5	1504.9	1320.8	1200.2
40°	1609.3	1600.8	1586.4	1560.5	1535.6	1539.8	1570.7	1639.2	1646.2	1478.5	1370.6
42.5°	1556.0	1547.0	1545.8	1544.0	1532.3	1551.0	1606.8	1699.7	1776.0	1660.6	1576.9
45°	1461.8	1456.3	1462.8	1492.7	1507.4	1543.5	1623.7	1729.1	1890.0	1845.7	1772.0
47.5°	1342.5	1339.3	1353.9	1401.3	1448.9	1520.6	1635.0	1737.1	1968.5	1968.5	1899.8
50°	1209.0	1207.7	1227.1	1295.9	1370.4	1478.5	1633.7	1744.6	2002.9	2004.6	1944.9
52.5°	1022.6	1029.1	1080.9	1171.6	1272.7	1412.5	1616.3	1765.5	2022.3	2026.3	1975.0
55°	807.9	814.1	892.3	1014.4	1143.9	1332.3	1564.2	1759.3	2026.1	2035.0	1992.2
57.5°	645.0	646.2	695.0	840.0	1000.5	1229.6	1504.2	1717.9	2015.1	2054.2	2018.6
60°	504.7	508.7	541.3	656.2	834.0	1097.4	1437.2	1677.1	2021.3	2072.4	2042.5
62.5°	375.9	376.9	407.3	496.2	662.7	928.7	1346.2	1633.5	2030.1	2092.8	2052.2
65°	244.9	244.6	274.0	354.2	495.0	746.6	1203.5	1565.2	2030.8	2088.3	2007.6
67.5°	155.7	156.7	169.4	220.0	331.3	563.5	1009.2	1438.4	1995.4	1979.7	1845.2
70°	126.3	126.6	130.5	143.7	201.8	385.1	758.6	1240.1	1883.6	1763.2	1603.8
72.5°	112.6	112.8	114.8	116.3	134.5	231.4	497.7	1006.9	1684.8	1502.9	1330.5
75°	101.1	101.1	102.4	100.9	110.4	145.2	282.5	757.1	1387.6	1170.4	1005.2
77.5°	88.7	88.4	88.4	87.7	95.4	106.1	141.5	528.4	999.5	798.2	651.9
80°	75.2	74.7	75.5	75.0	82.5	80.5	82.5	326.1	541.8	366.0	277.5
82.5°	58.5	58.5	60.8	61.3	68.0	58.3	58.0	154.7	205.8	136.8	102.4
85°	30.6	34.4	46.3	48.3	51.3	36.6	42.6	72.2	82.5	52.3	37.4
87.5°	9.2	9.7	28.4	31.9	31.6	18.4	26.2	34.9	38.6	23.2	15.2
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°	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9
2.5°	372.4	363.7	345.3	328.8	316.4	304.4	296.2	292.0	286.5	287.2	285.5
5°	383.9	366.0	333.3	306.9	289.2	275.8	267.6	263.3	259.3	257.3	258.8
7.5°	401.1	373.2	327.6	295.7	277.3	265.8	261.3	260.1	259.1	258.3	259.6
10°	423.2	385.9	326.6	291.7	274.8	267.8	266.1	265.3	264.3	263.3	264.1
12.5°	445.9	399.8	330.1	292.7	278.8	273.5	271.3	270.3	267.8	266.6	266.8
15°	474.3	416.8	334.8	296.7	284.0	277.3	274.3	271.5	267.6	265.8	266.6
17.5°	504.7	437.0	341.3	300.4	286.0	277.8	271.8	267.8	263.8	261.3	261.6
20°	539.1	456.9	347.0	301.7	285.0	273.5	266.3	261.6	256.3	253.6	252.9
22.5°	574.7	477.8	351.5	300.7	279.5	266.3	258.1	252.4	246.1	241.9	242.1
25°	618.1	506.2	355.2	297.2	272.3	256.8	247.6	240.4	233.9	229.9	230.2
27.5°	670.1	538.3	359.7	291.7	263.6	246.6	235.9	228.7	222.5	218.7	218.2
30°	739.6	580.2	364.7	285.0	252.6	235.4	225.0	217.5	211.5	208.0	208.0
32.5°	817.9	631.3	368.2	277.0	240.4	223.5	214.0	208.0	203.5	198.8	198.3
35°	885.9	670.9	378.9	270.8	229.7	212.2	205.8	201.5	194.8	190.3	189.6
37.5°	985.8	740.6	410.5	269.0	216.7	203.5	202.3	194.3	186.6	178.1	177.4
40°	1146.7	861.4	447.4	260.6	203.3	198.8	197.5	186.8	168.7	163.4	162.4
42.5°	1351.5	1006.9	451.4	235.9	193.8	194.8	191.1	170.1	162.2	158.2	157.2
45°	1536.3	1125.0	428.7	210.8	186.8	188.8	181.1	163.9	159.4	155.7	154.7
47.5°	1640.2	1161.4	385.9	191.8	181.6	183.6	165.2	160.9	156.4	152.7	151.7
50°	1669.3	1129.7	336.1	180.9	177.6	178.4	160.9	158.4	154.5	151.5	150.0
52.5°	1675.1	1082.4	290.0	174.4	174.6	167.9	157.2	155.2	152.7	148.0	146.2
55°	1677.6	1039.8	248.6	170.4	172.6	154.5	153.2	151.7	149.7	144.7	143.7
57.5°	1684.0	985.3	216.2	167.4	170.1	148.2	148.7	147.7	145.2	143.0	142.5
60°	1665.6	909.8	191.3	164.4	166.7	143.0	143.5	144.0	141.7	141.2	141.0
62.5°	1603.8	802.7	170.1	160.4	159.4	137.8	137.8	139.8	137.8	138.5	138.5
65°	1476.5	666.1	151.2	153.0	148.2	132.0	131.8	135.3	132.3	135.5	135.8
67.5°	1259.5	504.2	131.8	141.2	136.5	126.1	127.0	129.8	125.8	132.5	132.5
70°	997.0	343.0	111.6	124.8	124.6	119.3	122.6	122.3	117.8	127.8	126.1
72.5°	742.6	220.2	90.9	104.6	108.9	112.1	118.1	112.8	108.6	114.3	109.1
75°	518.9	138.0	71.7	82.7	90.7	104.1	112.6	102.1	95.9	94.2	92.7
77.5°	310.6	88.2	56.5	63.0	70.7	94.7	105.6	90.9	81.5	80.5	77.5
80°	143.2	57.5	43.1	47.1	50.3	81.2	96.2	77.7	66.3	65.3	61.8
82.5°	64.8	37.9	32.1	33.6	33.9	64.5	81.2	61.5	50.6	82.0	71.0
85°	30.1	24.4	20.9	19.9	20.2	43.1	59.0	42.3	57.5	44.8	34.1
87.5°	13.0	12.5	10.7	8.5	7.7	9.2	22.7	17.7	25.2	10.0	6.7
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)