

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: P672166

Luminaire Tested: **CCP-SA-1B-835-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672166
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-835-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

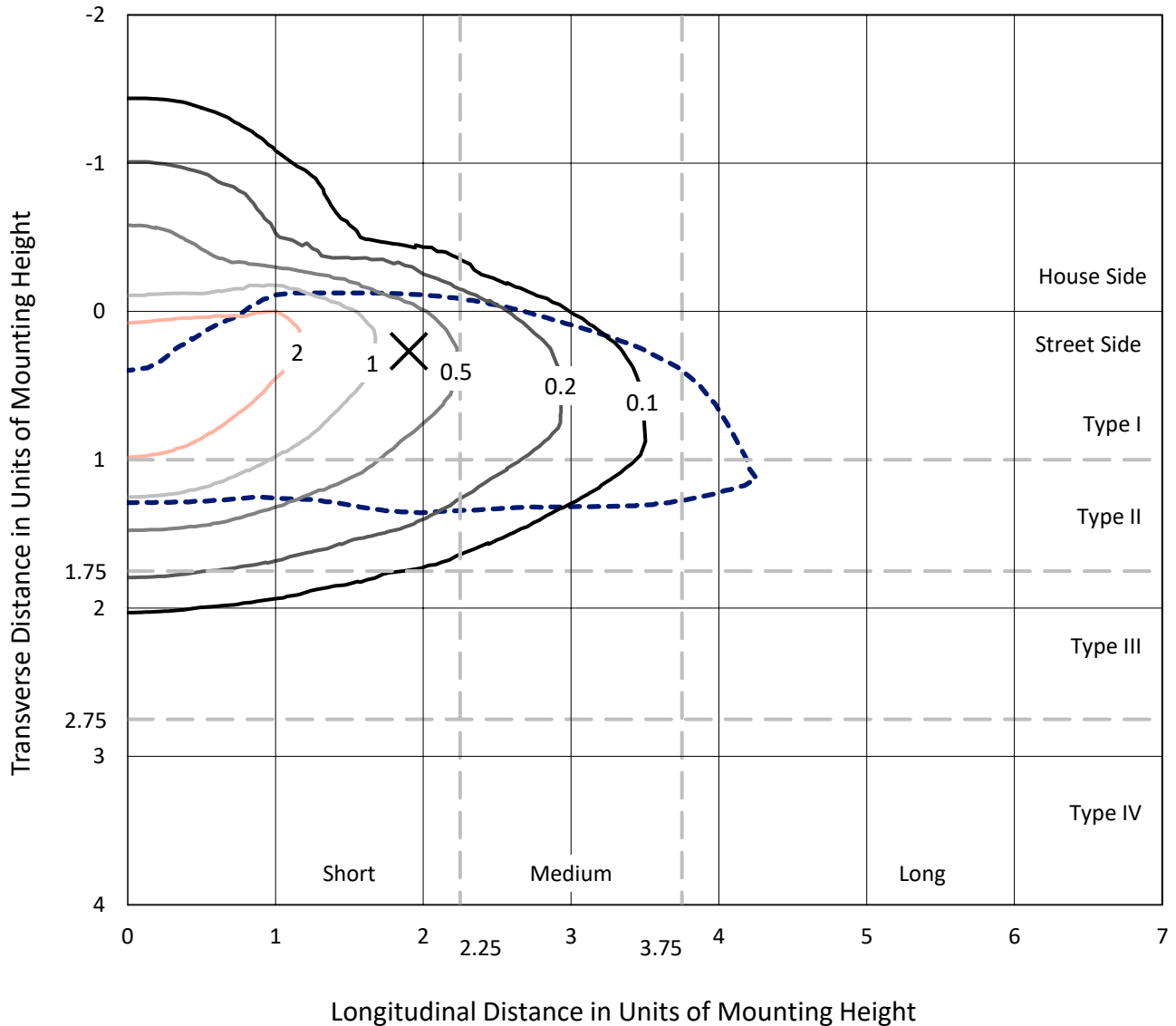
Lumens per Lamp: N/A
Luminaire Lumens: 2890.6 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

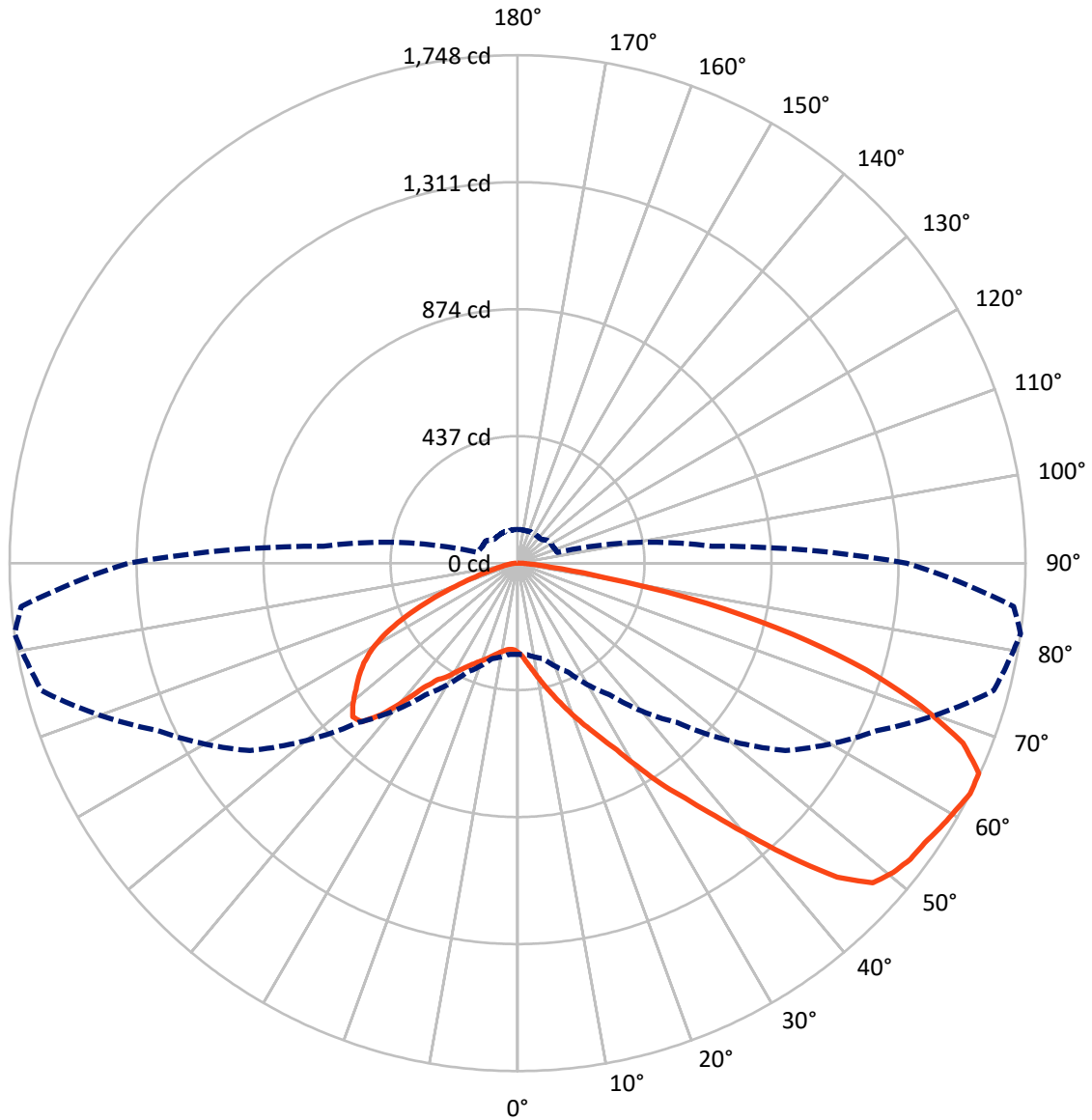
× Max cd
 - - - 1/2 Max cd



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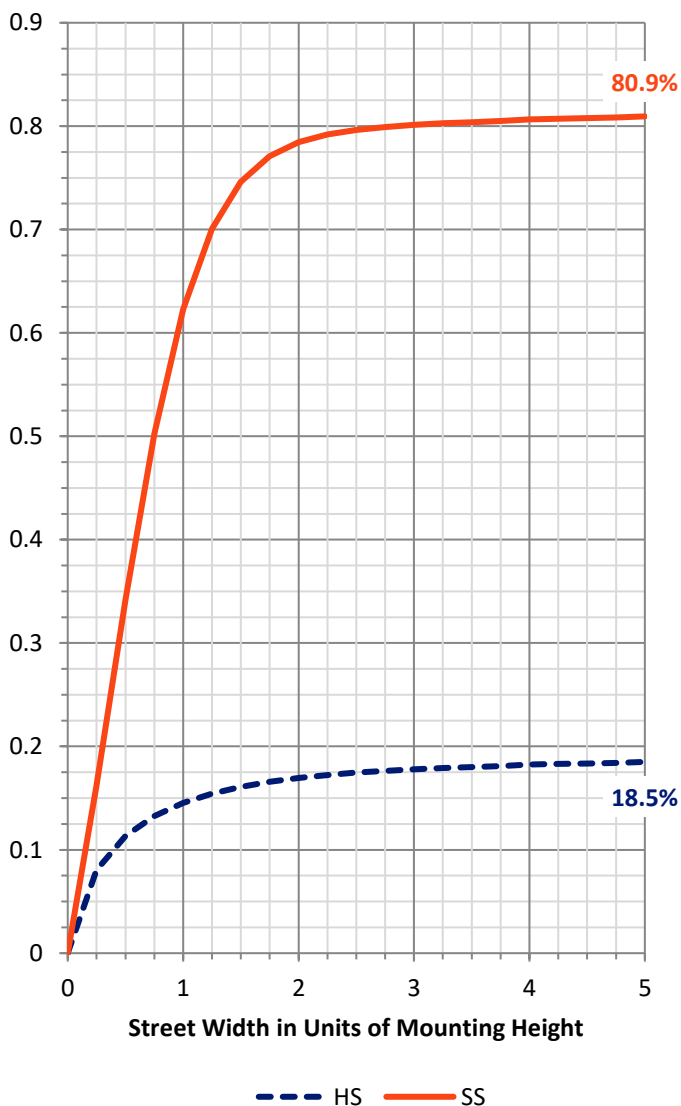
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.6	0.0	544.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2346.0	0.0	2346.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	2890.6	0.0	2890.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	1.2
10°-20°	128.3	4.4
20°-30°	265.7	9.2
30°-40°	451.0	15.6
40°-50°	614.1	21.2
50°-60°	621.6	21.5
60°-70°	489.9	16.9
70°-80°	241.3	8.3
80°-90°	44.6	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°	2890.6	100.0
0°-180°	2890.6	100.0



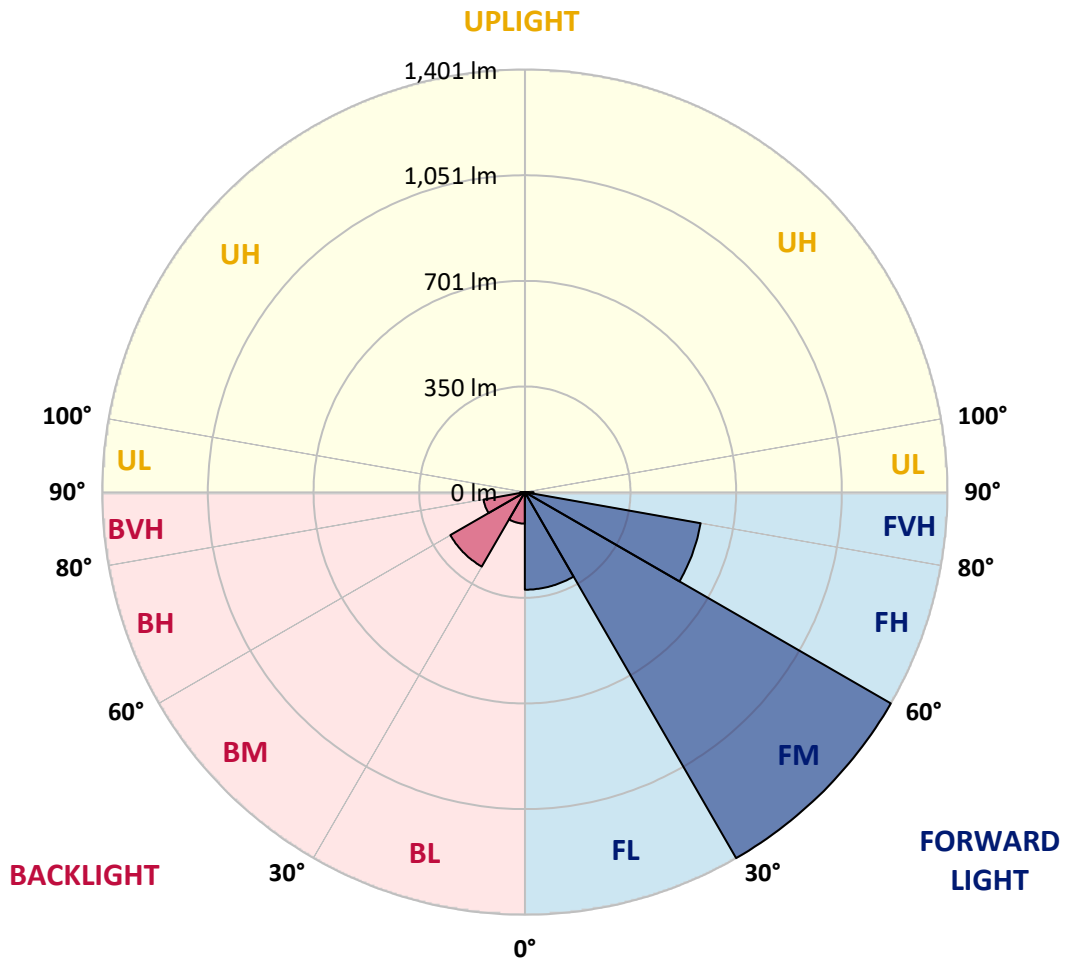
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.5	11.2			
FM (30°-60°)	1401.5	48.5			
FH (60°-80°)	592.0	20.5			G0/660
FVH (80°-90°)	29.0	1.0			G1/100
BL (0°-30°)	104.5	3.6	B0/110		
BM (30°-60°)	285.2	9.9	B1/1000		
BH (60°-80°)	139.2	4.8	B1/500		G1/500
BVH (80°-90°)	15.6	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°	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4
2.5°	409.4	403.1	399.8	396.1	385.7	379.0	366.5	351.9	335.1	320.7	318.0
5°	495.8	489.5	490.3	481.2	466.0	451.8	428.5	401.1	369.0	344.4	335.9
7.5°	556.7	549.9	551.5	547.8	535.5	519.9	490.3	455.0	408.1	371.7	358.0
10°	597.5	598.4	599.6	598.1	590.2	579.2	549.9	510.7	452.5	404.0	385.2
12.5°	643.7	646.0	645.6	646.2	642.1	633.3	604.6	567.8	499.7	438.7	414.4
15°	702.6	700.3	702.2	704.9	700.3	690.8	665.4	621.7	549.2	477.4	447.3
17.5°	767.1	762.4	767.4	764.6	761.3	755.1	727.2	680.6	600.4	519.3	483.9
20°	822.9	819.8	822.5	822.9	823.5	822.3	793.6	744.0	654.1	564.8	523.4
22.5°	885.6	884.1	883.7	883.9	884.5	886.0	866.4	813.6	713.7	612.7	566.1
25°	973.2	971.7	962.2	951.5	945.3	949.9	939.7	892.4	779.4	666.4	612.9
27.5°	1071.4	1069.1	1056.4	1029.6	1009.6	1012.9	1011.9	979.4	855.2	728.0	669.1
30°	1173.4	1167.8	1150.3	1112.6	1081.2	1075.4	1078.3	1067.5	950.5	809.8	747.4
32.5°	1264.4	1253.9	1230.8	1192.8	1155.3	1138.4	1138.9	1143.6	1054.1	905.1	829.4
35°	1319.9	1313.1	1295.8	1257.3	1215.4	1204.2	1201.1	1225.0	1149.3	993.4	902.8
37.5°	1349.9	1343.2	1324.7	1293.7	1262.1	1257.5	1263.3	1300.4	1257.3	1103.5	1002.7
40°	1344.5	1337.4	1325.3	1303.7	1282.9	1286.4	1312.2	1369.5	1375.3	1235.2	1145.1
42.5°	1299.9	1292.4	1291.4	1289.9	1280.2	1295.8	1342.4	1420.0	1483.7	1387.4	1317.4
45°	1221.3	1216.7	1222.1	1247.1	1259.4	1289.5	1356.5	1444.6	1579.0	1542.0	1480.4
47.5°	1121.6	1118.9	1131.2	1170.7	1210.4	1270.4	1365.9	1451.2	1644.6	1644.6	1587.2
50°	1010.0	1009.0	1025.2	1082.7	1144.9	1235.2	1364.9	1457.5	1673.3	1674.8	1624.8
52.5°	854.3	859.8	903.0	978.8	1063.3	1180.1	1350.3	1475.0	1689.5	1692.9	1650.0
55°	674.9	680.1	745.5	847.5	955.7	1113.0	1306.8	1469.8	1692.7	1700.2	1664.4
57.5°	538.8	539.9	580.7	701.8	835.8	1027.3	1256.6	1435.2	1683.5	1716.2	1686.4
60°	421.7	425.0	452.3	548.2	696.8	916.8	1200.7	1401.1	1688.7	1731.4	1706.4
62.5°	314.1	314.9	340.3	414.6	553.6	775.9	1124.7	1364.7	1696.0	1748.4	1714.5
65°	204.6	204.4	228.9	296.0	413.5	623.7	1005.4	1307.6	1696.6	1744.7	1677.3
67.5°	130.1	130.9	141.5	183.8	276.8	470.8	843.1	1201.7	1667.1	1654.0	1541.6
70°	105.5	105.7	109.1	120.1	168.6	321.8	633.7	1036.0	1573.6	1473.1	1339.9
72.5°	94.1	94.3	95.9	97.2	112.4	193.3	415.8	841.2	1407.5	1255.6	1111.6
75°	84.5	84.5	85.5	84.3	92.2	121.3	236.0	632.5	1159.2	977.8	839.8
77.5°	74.1	73.9	73.9	73.3	79.7	88.7	118.2	441.4	835.0	666.8	544.7
80°	62.9	62.4	63.1	62.6	68.9	67.2	68.9	272.4	452.7	305.7	231.8
82.5°	48.9	48.9	50.8	51.2	56.8	48.7	48.5	129.2	171.9	114.3	85.5
85°	25.6	28.7	38.7	40.4	42.9	30.6	35.6	60.4	68.9	43.7	31.2
87.5°	7.7	8.1	23.7	26.6	26.4	15.4	21.9	29.1	32.3	19.4	12.7
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°	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4
2.5°	311.1	303.9	288.5	274.7	264.3	254.3	247.5	243.9	239.3	240.0	238.5
5°	320.7	305.7	278.5	256.4	241.6	230.4	223.5	220.0	216.7	215.0	216.2
7.5°	335.1	311.8	273.7	247.0	231.6	222.1	218.3	217.3	216.4	215.8	216.9
10°	353.6	322.4	272.8	243.7	229.6	223.7	222.3	221.7	220.8	220.0	220.6
12.5°	372.5	334.0	275.8	244.5	232.9	228.5	226.6	225.8	223.7	222.7	222.9
15°	396.3	348.2	279.7	247.9	237.3	231.6	229.1	226.9	223.5	222.1	222.7
17.5°	421.7	365.0	285.1	251.0	238.9	232.1	227.1	223.7	220.4	218.3	218.5
20°	450.4	381.7	289.9	252.0	238.1	228.5	222.5	218.5	214.2	211.9	211.2
22.5°	480.1	399.2	293.7	251.2	233.5	222.5	215.6	210.8	205.6	202.1	202.3
25°	516.4	422.9	296.8	248.3	227.5	214.6	206.9	200.8	195.4	192.1	192.3
27.5°	559.9	449.8	300.5	243.7	220.2	206.0	197.1	191.1	185.9	182.7	182.3
30°	617.9	484.7	304.7	238.1	211.0	196.7	187.9	181.7	176.7	173.8	173.8
32.5°	683.3	527.4	307.6	231.4	200.8	186.7	178.8	173.8	170.0	166.1	165.7
35°	740.1	560.5	316.6	226.2	191.9	177.3	171.9	168.4	162.8	159.0	158.4
37.5°	823.5	618.8	343.0	224.8	181.1	170.0	169.0	162.3	155.9	148.8	148.2
40°	958.0	719.7	373.8	217.7	169.8	166.1	165.0	156.1	140.9	136.5	135.7
42.5°	1129.1	841.2	377.1	197.1	161.9	162.8	159.6	142.1	135.5	132.2	131.3
45°	1283.5	939.9	358.2	176.1	156.1	157.8	151.3	136.9	133.2	130.1	129.2
47.5°	1370.3	970.3	322.4	160.3	151.7	153.4	138.0	134.4	130.7	127.6	126.7
50°	1394.6	943.8	280.8	151.1	148.4	149.0	134.4	132.4	129.0	126.5	125.3
52.5°	1399.4	904.3	242.3	145.7	145.9	140.3	131.3	129.7	127.6	123.6	122.2
55°	1401.5	868.7	207.7	142.4	144.2	129.0	128.0	126.7	125.1	120.9	120.1
57.5°	1406.9	823.1	180.7	139.9	142.1	123.8	124.2	123.4	121.3	119.5	119.0
60°	1391.5	760.1	159.8	137.4	139.2	119.5	119.9	120.3	118.4	118.0	117.8
62.5°	1339.9	670.6	142.1	134.0	133.2	115.1	115.1	116.8	115.1	115.7	115.7
65°	1233.5	556.5	126.3	127.8	123.8	110.3	110.1	113.0	110.5	113.2	113.4
67.5°	1052.3	421.2	110.1	118.0	114.1	105.3	106.1	108.4	105.1	110.7	110.7
70°	832.9	286.6	93.2	104.3	104.1	99.7	102.4	102.2	98.4	106.8	105.3
72.5°	620.4	184.0	76.0	87.4	90.9	93.7	98.7	94.3	90.7	95.5	91.2
75°	433.5	115.3	59.9	69.1	75.8	87.0	94.1	85.3	80.1	78.7	77.4
77.5°	259.5	73.7	47.2	52.7	59.1	79.1	88.2	76.0	68.1	67.2	64.7
80°	119.7	48.1	36.0	39.3	42.0	67.8	80.3	64.9	55.4	54.5	51.6
82.5°	54.1	31.6	26.8	28.1	28.3	53.9	67.8	51.4	42.2	68.5	59.3
85°	25.2	20.4	17.5	16.6	16.9	36.0	49.3	35.4	48.1	37.5	28.5
87.5°	10.8	10.4	8.9	7.1	6.5	7.7	18.9	14.8	21.0	8.3	5.6
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)