

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: P672099

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672099
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

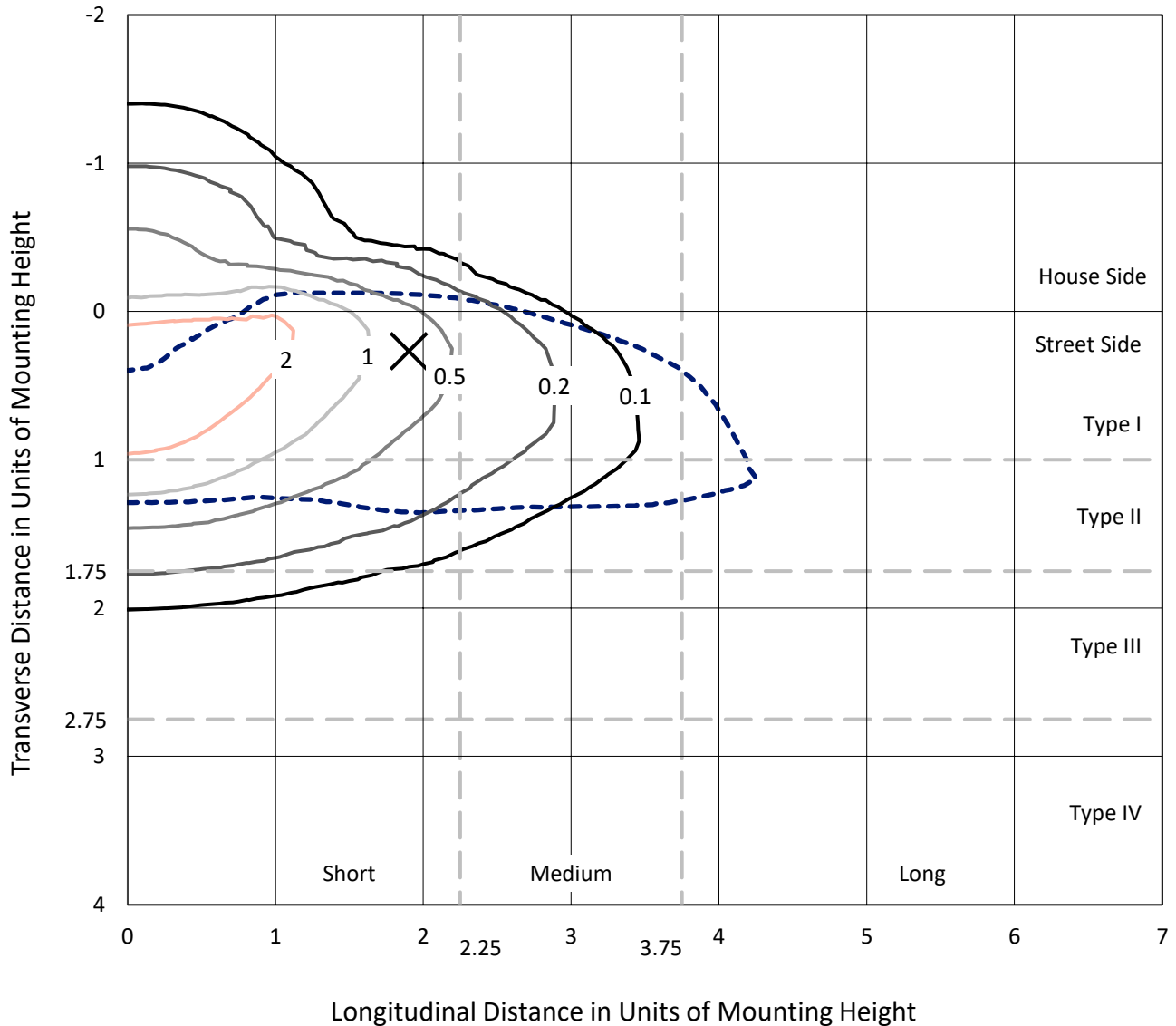
Lumens per Lamp: N/A
Luminaire Lumens: 2740.9 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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

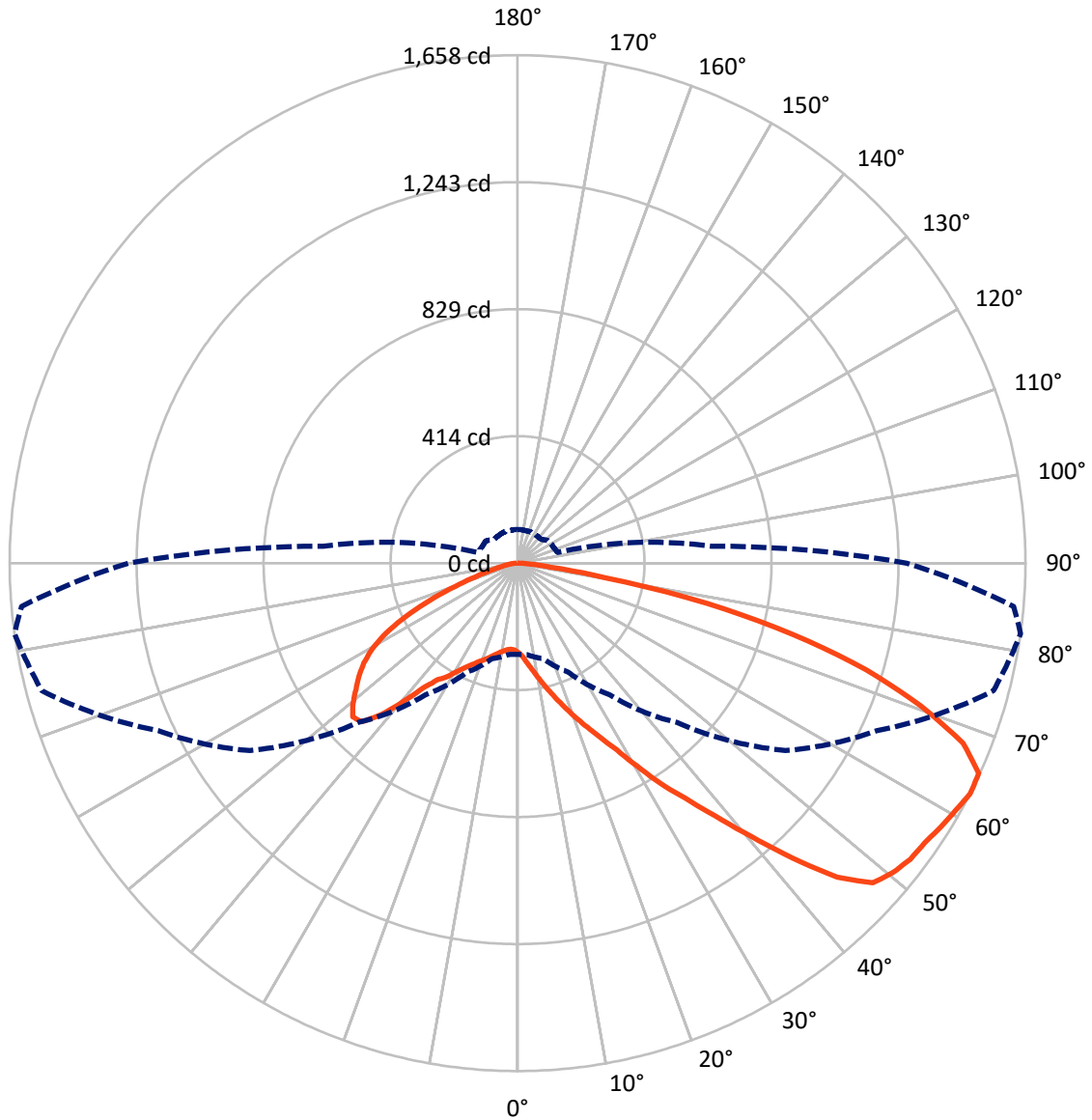
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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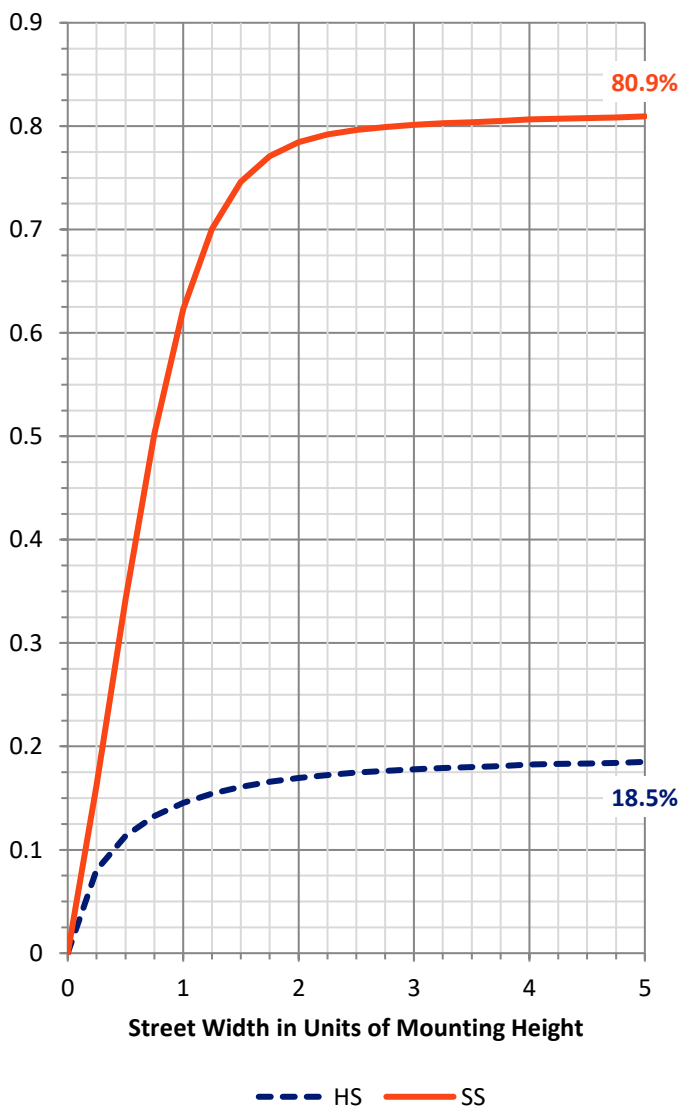
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.4	0.0	516.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2224.5	0.0	2224.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	2740.9	0.0	2740.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	1.2
10°-20°	121.7	4.4
20°-30°	251.9	9.2
30°-40°	427.6	15.6
40°-50°	582.3	21.2
50°-60°	589.4	21.5
60°-70°	464.5	16.9
70°-80°	228.8	8.3
80°-90°	42.3	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°	2740.9	100.0
0°-180°	2740.9	100.0



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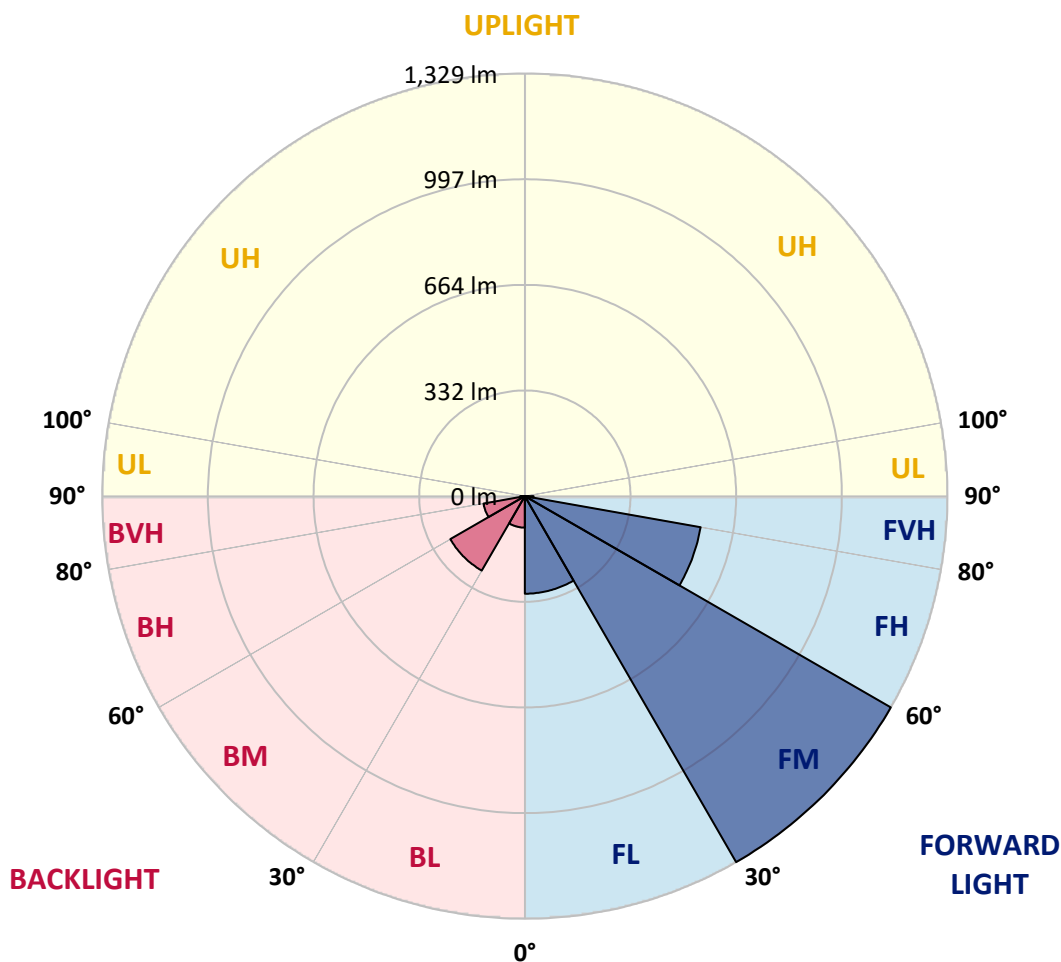
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.8	11.2			
FM (30°-60°)	1328.9	48.5			
FH (60°-80°)	561.4	20.5			G0/660
FVH (80°-90°)	27.5	1.0			G1/100
BL (0°-30°)	99.1	3.6	B0/110		
BM (30°-60°)	270.5	9.9	B1/1000		
BH (60°-80°)	132.0	4.8	B1/500		G1/500
BVH (80°-90°)	14.8	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°	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5
2.5°	388.2	382.2	379.1	375.5	365.7	359.4	347.5	333.7	317.7	304.1	301.5
5°	470.1	464.1	464.9	456.3	441.8	428.4	406.3	380.3	349.9	326.6	318.5
7.5°	527.9	521.4	523.0	519.4	507.8	493.0	464.9	431.4	387.0	352.5	339.4
10°	566.6	567.4	568.5	567.2	559.7	549.2	521.4	484.3	429.0	383.0	365.3
12.5°	610.4	612.5	612.2	612.7	608.8	600.5	573.3	538.3	473.8	416.0	392.9
15°	666.2	664.1	665.8	668.4	664.1	655.0	630.9	589.5	520.8	452.7	424.1
17.5°	727.4	722.9	727.6	725.0	721.9	716.0	689.5	645.3	569.3	492.4	458.8
20°	780.3	777.3	779.9	780.3	780.9	779.7	752.5	705.5	620.2	535.6	496.3
22.5°	839.7	838.3	837.9	838.1	838.7	840.1	821.5	771.4	676.7	581.0	536.8
25°	922.8	921.4	912.3	902.2	896.3	900.7	891.0	846.2	739.0	631.9	581.2
27.5°	1015.9	1013.7	1001.7	976.2	957.3	960.5	959.5	928.7	810.9	690.3	634.5
30°	1112.6	1107.3	1090.7	1055.0	1025.2	1019.7	1022.4	1012.2	901.3	767.9	708.7
32.5°	1198.8	1189.0	1167.1	1131.0	1095.4	1079.5	1079.8	1084.4	999.5	858.2	786.4
35°	1251.5	1245.0	1228.6	1192.1	1152.5	1141.8	1138.9	1161.5	1089.7	941.9	856.1
37.5°	1280.0	1273.6	1256.1	1226.7	1196.7	1192.3	1197.9	1233.0	1192.1	1046.3	950.8
40°	1274.8	1268.1	1256.7	1236.1	1216.4	1219.8	1244.2	1298.5	1304.0	1171.2	1085.8
42.5°	1232.6	1225.5	1224.5	1223.1	1213.8	1228.6	1272.8	1346.5	1406.8	1315.5	1249.2
45°	1158.0	1153.7	1158.8	1182.5	1194.1	1222.7	1286.3	1369.7	1497.2	1462.1	1403.7
47.5°	1063.5	1060.9	1072.5	1110.0	1147.7	1204.6	1295.1	1376.1	1559.4	1559.4	1504.9
50°	957.7	956.7	972.1	1026.6	1085.6	1171.2	1294.2	1382.0	1586.6	1588.0	1540.6
52.5°	810.1	815.2	856.3	928.1	1008.2	1118.9	1280.3	1398.6	1602.0	1605.2	1564.5
55°	640.0	644.9	706.9	803.6	906.2	1055.4	1239.1	1393.6	1605.0	1612.1	1578.1
57.5°	510.9	511.9	550.6	665.4	792.5	974.1	1191.5	1360.9	1596.3	1627.3	1599.1
60°	399.8	403.0	428.8	519.8	660.7	869.3	1138.5	1328.5	1601.2	1641.7	1618.0
62.5°	297.8	298.6	322.7	393.1	524.9	735.7	1066.4	1294.0	1608.1	1657.9	1625.7
65°	194.0	193.8	217.1	280.6	392.1	591.4	953.4	1239.9	1608.7	1654.3	1590.4
67.5°	123.3	124.1	134.2	174.3	262.5	446.4	799.4	1139.4	1580.7	1568.3	1461.7
70°	100.1	100.2	103.4	113.9	159.8	305.1	600.9	982.4	1492.1	1396.8	1270.5
72.5°	89.2	89.4	91.0	92.2	106.6	183.3	394.3	797.7	1334.6	1190.6	1054.0
75°	80.1	80.1	81.1	79.9	87.4	115.0	223.8	599.7	1099.2	927.1	796.3
77.5°	70.3	70.1	70.1	69.5	75.6	84.1	112.1	418.6	791.7	632.3	516.4
80°	59.6	59.2	59.8	59.4	65.3	63.7	65.3	258.3	429.2	289.9	219.8
82.5°	46.4	46.4	48.2	48.5	53.9	46.2	46.0	122.5	163.0	108.3	81.1
85°	24.3	27.2	36.7	38.3	40.7	29.0	33.7	57.2	65.3	41.4	29.6
87.5°	7.3	7.7	22.5	25.3	25.1	14.6	20.7	27.6	30.6	18.4	12.0
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°	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5
2.5°	295.0	288.1	273.5	260.5	250.6	241.2	234.6	231.3	226.9	227.5	226.2
5°	304.1	289.9	264.0	243.1	229.1	218.5	211.9	208.6	205.4	203.9	205.0
7.5°	317.7	295.6	259.5	234.2	219.6	210.6	207.0	206.0	205.2	204.6	205.6
10°	335.3	305.7	258.7	231.1	217.7	212.1	210.8	210.2	209.4	208.6	209.2
12.5°	353.2	316.7	261.5	231.9	220.8	216.7	214.9	214.1	212.1	211.2	211.4
15°	375.7	330.2	265.2	235.0	225.0	219.6	217.3	215.1	211.9	210.6	211.2
17.5°	399.8	346.1	270.4	238.0	226.5	220.0	215.3	212.1	209.0	207.0	207.2
20°	427.0	361.9	274.9	239.0	225.8	216.7	211.0	207.2	203.1	200.9	200.3
22.5°	455.3	378.5	278.4	238.2	221.4	211.0	204.4	199.9	195.0	191.6	191.8
25°	489.6	401.0	281.4	235.4	215.7	203.5	196.2	190.4	185.3	182.1	182.3
27.5°	530.8	426.5	285.0	231.1	208.8	195.4	186.9	181.2	176.2	173.3	172.9
30°	585.9	459.6	288.9	225.8	200.1	186.5	178.2	172.3	167.5	164.8	164.8
32.5°	647.9	500.1	291.7	219.4	190.4	177.0	169.5	164.8	161.2	157.5	157.1
35°	701.7	531.4	300.2	214.5	181.9	168.1	163.0	159.6	154.3	150.8	150.2
37.5°	780.9	586.7	325.2	213.1	171.7	161.2	160.2	153.9	147.8	141.1	140.5
40°	908.4	682.4	354.4	206.4	161.0	157.5	156.5	148.0	133.6	129.5	128.7
42.5°	1070.6	797.7	357.6	186.9	153.5	154.3	151.4	134.8	128.5	125.3	124.5
45°	1217.0	891.2	339.6	167.0	148.0	149.6	143.5	129.9	126.3	123.3	122.5
47.5°	1299.3	920.0	305.7	152.0	143.9	145.4	130.8	127.5	123.9	121.0	120.2
50°	1322.4	894.9	266.2	143.3	140.7	141.3	127.5	125.5	122.4	120.0	118.8
52.5°	1326.9	857.4	229.7	138.1	138.3	133.0	124.5	122.9	121.0	117.2	115.8
55°	1328.9	823.7	196.9	135.0	136.8	122.4	121.4	120.2	118.6	114.7	113.9
57.5°	1334.0	780.5	171.3	132.6	134.8	117.4	117.8	117.0	115.0	113.3	112.9
60°	1319.4	720.7	151.6	130.2	132.0	113.3	113.7	114.1	112.3	111.9	111.7
62.5°	1270.5	635.8	134.8	127.1	126.3	109.1	109.1	110.7	109.1	109.7	109.7
65°	1169.6	527.7	119.8	121.2	117.4	104.6	104.4	107.2	104.8	107.4	107.6
67.5°	997.8	399.4	104.4	111.9	108.1	99.9	100.6	102.8	99.7	105.0	105.0
70°	789.8	271.7	88.4	98.9	98.7	94.5	97.1	96.9	93.3	101.2	99.9
72.5°	588.3	174.4	72.0	82.9	86.2	88.8	93.5	89.4	86.0	90.6	86.4
75°	411.1	109.3	56.8	65.5	71.8	82.5	89.2	80.9	76.0	74.6	73.4
77.5°	246.1	69.9	44.8	49.9	56.0	75.0	83.7	72.0	64.5	63.7	61.4
80°	113.5	45.6	34.1	37.3	39.9	64.3	76.2	61.6	52.5	51.7	48.9
82.5°	51.3	30.0	25.5	26.6	26.8	51.1	64.3	48.7	40.1	64.9	56.2
85°	23.9	19.3	16.6	15.8	16.0	34.1	46.8	33.5	45.6	35.5	27.0
87.5°	10.3	9.9	8.5	6.7	6.1	7.3	18.0	14.0	19.9	7.9	5.3
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)