

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: P672144

Luminaire Tested: **CCP-SA-1B-827-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672144
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

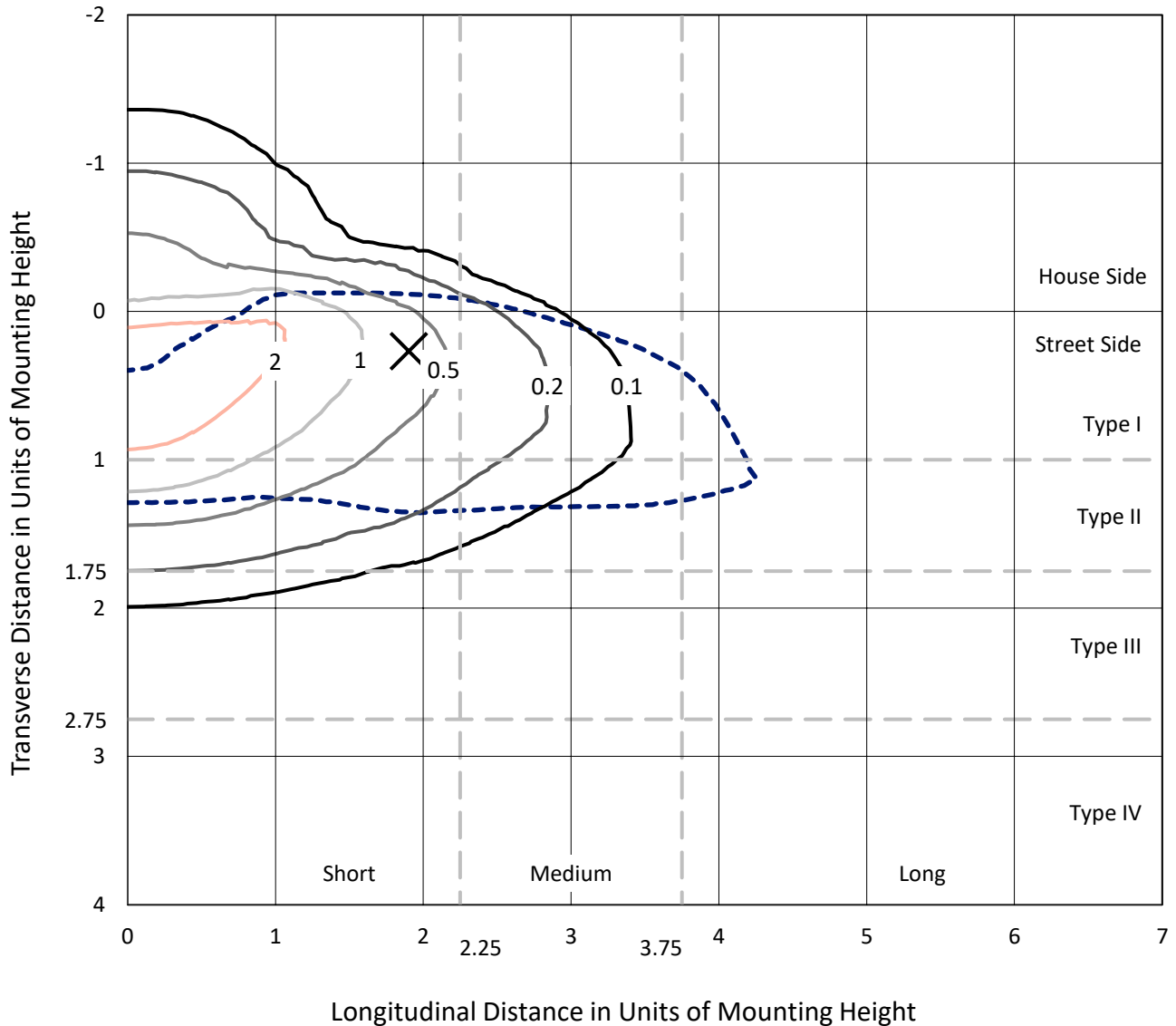
Lumens per Lamp: N/A
Luminaire Lumens: 2578.8 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

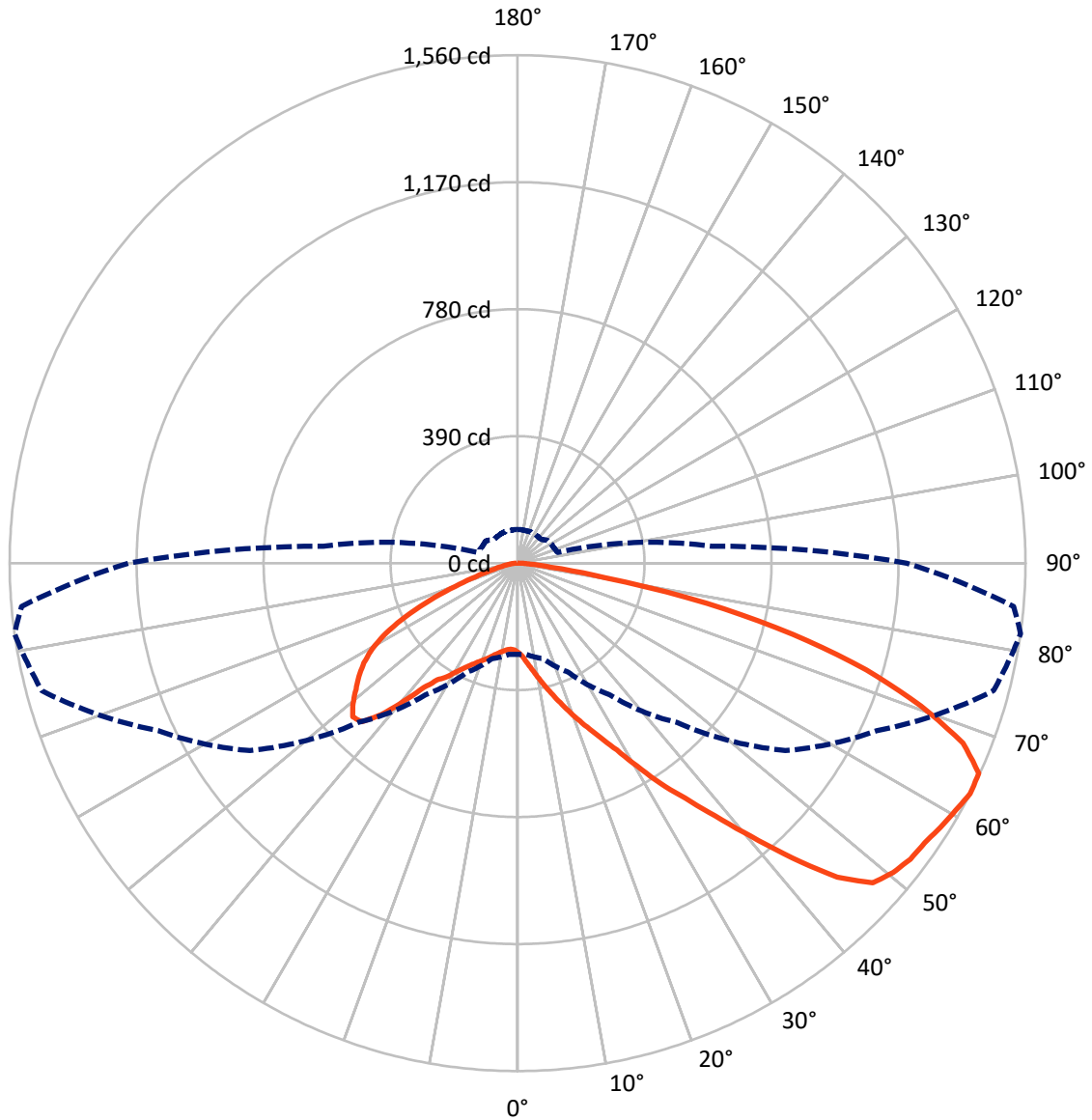
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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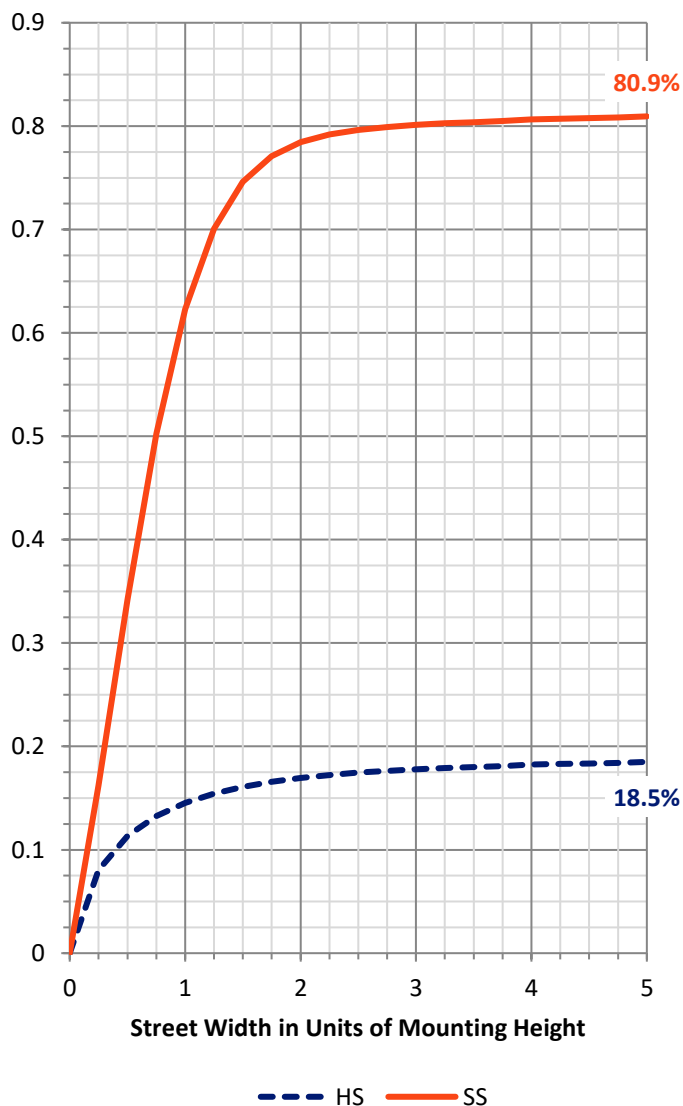
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.8	0.0	485.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2092.9	0.0	2092.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	2578.8	0.0	2578.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.2
10°-20°	114.5	4.4
20°-30°	237.0	9.2
30°-40°	402.3	15.6
40°-50°	547.9	21.2
50°-60°	554.6	21.5
60°-70°	437.1	16.9
70°-80°	215.3	8.3
80°-90°	39.8	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°	2578.8	100.0
0°-180°	2578.8	100.0



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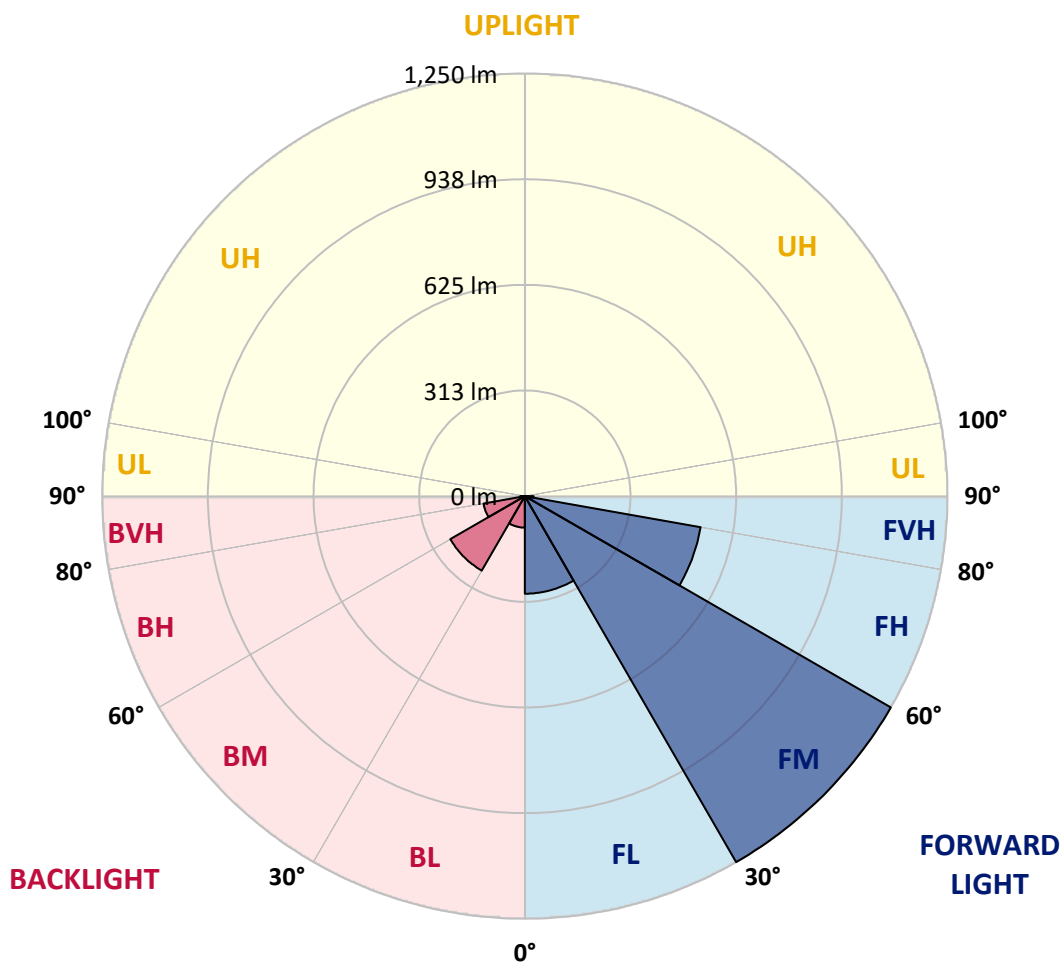
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.6	11.2			
FM (30°-60°)	1250.3	48.5			
FH (60°-80°)	528.2	20.5			G0/660
FVH (80°-90°)	25.9	1.0			G1/100
BL (0°-30°)	93.2	3.6	B0/110		
BM (30°-60°)	254.5	9.9	B1/1000		
BH (60°-80°)	124.2	4.8	B1/500		G1/500
BVH (80°-90°)	14.0	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°	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2
2.5°	365.2	359.6	356.7	353.3	344.0	338.1	327.0	314.0	298.9	286.1	283.7
5°	442.3	436.7	437.4	429.3	415.7	403.1	382.3	357.8	329.2	307.3	299.7
7.5°	496.7	490.5	492.0	488.7	477.7	463.8	437.4	405.9	364.1	331.6	319.4
10°	533.1	533.8	534.9	533.6	526.6	516.7	490.5	455.6	403.6	360.4	343.7
12.5°	574.3	576.3	575.9	576.5	572.8	565.0	539.4	506.5	445.8	391.4	369.7
15°	626.8	624.8	626.4	628.9	624.8	616.2	593.6	554.6	490.0	425.9	399.0
17.5°	684.4	680.1	684.6	682.1	679.2	673.6	648.7	607.1	535.7	463.2	431.7
20°	734.1	731.4	733.8	734.1	734.7	733.6	708.0	663.8	583.6	503.9	467.0
22.5°	790.0	788.7	788.4	788.5	789.1	790.4	772.9	725.8	636.7	546.6	505.0
25°	868.2	866.9	858.3	848.9	843.3	847.4	838.3	796.2	695.3	594.5	546.8
27.5°	955.8	953.8	942.5	918.5	900.7	903.7	902.7	873.8	762.9	649.5	596.9
30°	1046.8	1041.8	1026.2	992.6	964.6	959.4	962.0	952.3	848.0	722.4	666.7
32.5°	1127.9	1118.7	1098.0	1064.1	1030.7	1015.6	1016.0	1020.3	940.4	807.5	739.9
35°	1177.5	1171.4	1156.0	1121.6	1084.3	1074.3	1071.5	1092.9	1025.3	886.2	805.4
37.5°	1204.3	1198.3	1181.8	1154.1	1125.9	1121.8	1127.0	1160.1	1121.6	984.4	894.6
40°	1199.4	1193.1	1182.3	1163.0	1144.5	1147.6	1170.6	1221.7	1226.9	1101.9	1021.6
42.5°	1159.7	1153.0	1152.1	1150.8	1142.1	1156.0	1197.6	1266.8	1323.6	1237.7	1175.3
45°	1089.5	1085.4	1090.3	1112.5	1123.5	1150.4	1210.2	1288.7	1408.7	1375.6	1320.7
47.5°	1000.6	998.2	1009.1	1044.4	1079.9	1133.3	1218.5	1294.7	1467.2	1467.2	1415.9
50°	901.1	900.1	914.6	965.9	1021.4	1101.9	1217.6	1300.2	1492.8	1494.1	1449.5
52.5°	762.2	767.0	805.6	873.2	948.6	1052.7	1204.6	1315.8	1507.3	1510.2	1472.0
55°	602.1	606.8	665.1	756.0	852.6	993.0	1165.8	1311.2	1510.0	1516.7	1484.8
57.5°	480.7	481.6	518.0	626.1	745.6	916.5	1121.1	1280.4	1501.9	1531.0	1504.5
60°	376.2	379.1	403.5	489.1	621.6	817.9	1071.1	1249.9	1506.5	1544.6	1522.3
62.5°	280.2	280.9	303.6	369.9	493.9	692.2	1003.4	1217.4	1513.0	1559.8	1529.5
65°	182.5	182.3	204.2	264.0	368.9	556.5	897.0	1166.6	1513.6	1556.5	1496.3
67.5°	116.0	116.8	126.3	163.9	246.9	420.0	752.1	1072.1	1487.2	1475.5	1375.3
70°	94.1	94.3	97.3	107.1	150.4	287.0	565.4	924.3	1403.8	1314.2	1195.3
72.5°	83.9	84.1	85.6	86.7	100.3	172.5	371.0	750.5	1255.7	1120.1	991.7
75°	75.4	75.4	76.3	75.2	82.3	108.2	210.5	564.2	1034.2	872.3	749.2
77.5°	66.1	65.9	65.9	65.4	71.1	79.1	105.5	393.8	744.9	594.9	485.9
80°	56.1	55.7	56.3	55.9	61.5	60.0	61.5	243.0	403.8	272.7	206.8
82.5°	43.6	43.6	45.3	45.7	50.7	43.4	43.3	115.3	153.4	101.9	76.3
85°	22.8	25.6	34.5	36.0	38.2	27.3	31.7	53.8	61.5	39.0	27.9
87.5°	6.9	7.2	21.2	23.8	23.6	13.7	19.5	26.0	28.8	17.3	11.3
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°	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2
2.5°	277.6	271.1	257.3	245.1	235.8	226.9	220.8	217.6	213.5	214.1	212.8
5°	286.1	272.7	248.4	228.7	215.6	205.5	199.4	196.3	193.3	191.8	192.9
7.5°	298.9	278.1	244.2	220.4	206.7	198.1	194.8	193.8	193.1	192.5	193.5
10°	315.5	287.6	243.4	217.4	204.8	199.6	198.3	197.7	197.0	196.3	196.8
12.5°	332.3	298.0	246.0	218.2	207.8	203.9	202.2	201.5	199.6	198.7	198.9
15°	353.5	310.6	249.5	221.1	211.7	206.7	204.4	202.4	199.4	198.1	198.7
17.5°	376.2	325.7	254.4	223.9	213.1	207.0	202.6	199.6	196.6	194.8	195.0
20°	401.8	340.5	258.6	224.8	212.4	203.9	198.5	195.0	191.1	189.0	188.5
22.5°	428.3	356.1	262.0	224.1	208.3	198.5	192.4	188.1	183.4	180.3	180.5
25°	460.6	377.3	264.8	221.5	202.9	191.4	184.6	179.2	174.3	171.4	171.6
27.5°	499.5	401.2	268.1	217.4	196.4	183.8	175.8	170.4	165.8	163.0	162.6
30°	551.3	432.4	271.8	212.4	188.3	175.5	167.7	162.1	157.6	155.0	155.0
32.5°	609.6	470.5	274.4	206.5	179.2	166.5	159.5	155.0	151.7	148.2	147.8
35°	660.2	500.0	282.4	201.8	171.2	158.2	153.4	150.2	145.2	141.9	141.3
37.5°	734.7	552.0	306.0	200.5	161.5	151.7	150.8	144.8	139.1	132.8	132.2
40°	854.6	642.0	333.5	194.2	151.5	148.2	147.2	139.3	125.7	121.8	121.1
42.5°	1007.3	750.5	336.4	175.8	144.5	145.2	142.4	126.8	120.9	117.9	117.2
45°	1145.0	838.5	319.5	157.1	139.3	140.7	135.0	122.2	118.8	116.0	115.3
47.5°	1222.4	865.6	287.6	143.0	135.4	136.8	123.1	119.9	116.6	113.8	113.1
50°	1244.2	842.0	250.5	134.8	132.4	132.9	119.9	118.1	115.1	112.9	111.8
52.5°	1248.4	806.7	216.1	130.0	130.2	125.1	117.2	115.7	113.8	110.3	109.0
55°	1250.3	775.0	185.3	127.0	128.7	115.1	114.2	113.1	111.6	107.9	107.1
57.5°	1255.1	734.3	161.2	124.8	126.8	110.5	110.8	110.1	108.2	106.6	106.2
60°	1241.4	678.1	142.6	122.5	124.2	106.6	106.9	107.3	105.6	105.3	105.1
62.5°	1195.3	598.2	126.8	119.6	118.8	102.7	102.7	104.2	102.7	103.2	103.2
65°	1100.5	496.5	112.7	114.0	110.5	98.4	98.2	100.8	98.6	101.0	101.2
67.5°	938.7	375.8	98.2	105.3	101.7	93.9	94.7	96.7	93.8	98.8	98.8
70°	743.0	255.7	83.2	93.0	92.8	88.9	91.3	91.2	87.8	95.2	93.9
72.5°	553.5	164.1	67.8	78.0	81.1	83.6	88.0	84.1	81.0	85.2	81.3
75°	386.7	102.9	53.5	61.6	67.6	77.6	83.9	76.1	71.5	70.2	69.1
77.5°	231.5	65.7	42.1	47.0	52.7	70.6	78.7	67.8	60.7	60.0	57.7
80°	106.8	42.9	32.1	35.1	37.5	60.5	71.7	57.9	49.4	48.6	46.0
82.5°	48.3	28.2	24.0	25.1	25.3	48.1	60.5	45.9	37.7	61.1	52.9
85°	22.5	18.2	15.6	14.9	15.0	32.1	44.0	31.6	42.9	33.4	25.4
87.5°	9.7	9.3	8.0	6.3	5.8	6.9	16.9	13.2	18.8	7.4	5.0
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)