

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: P672289

Luminaire Tested: **CCP-SA-1C-827-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672289
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-827-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

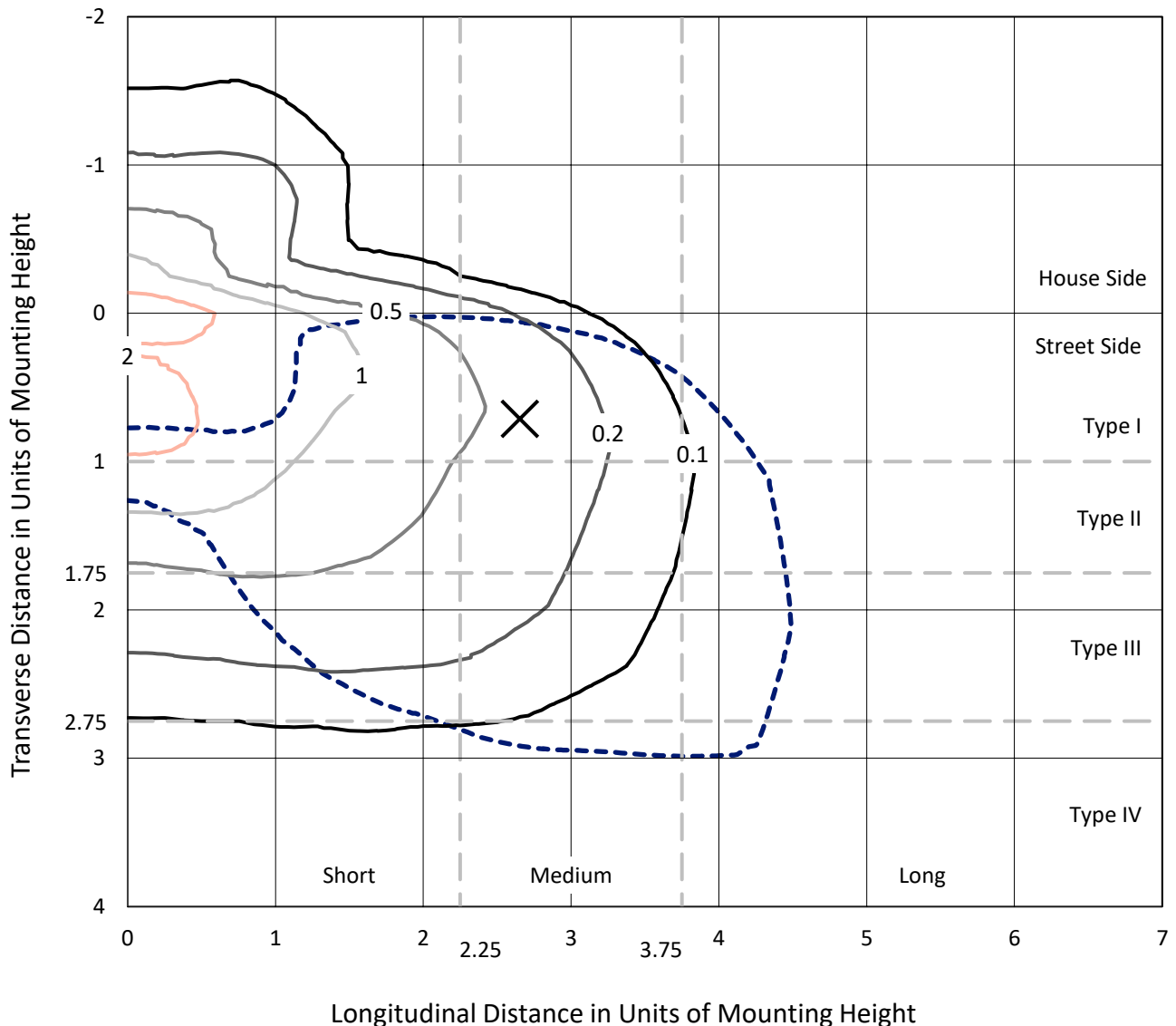
Lumens per Lamp: N/A
Luminaire Lumens: 3378 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

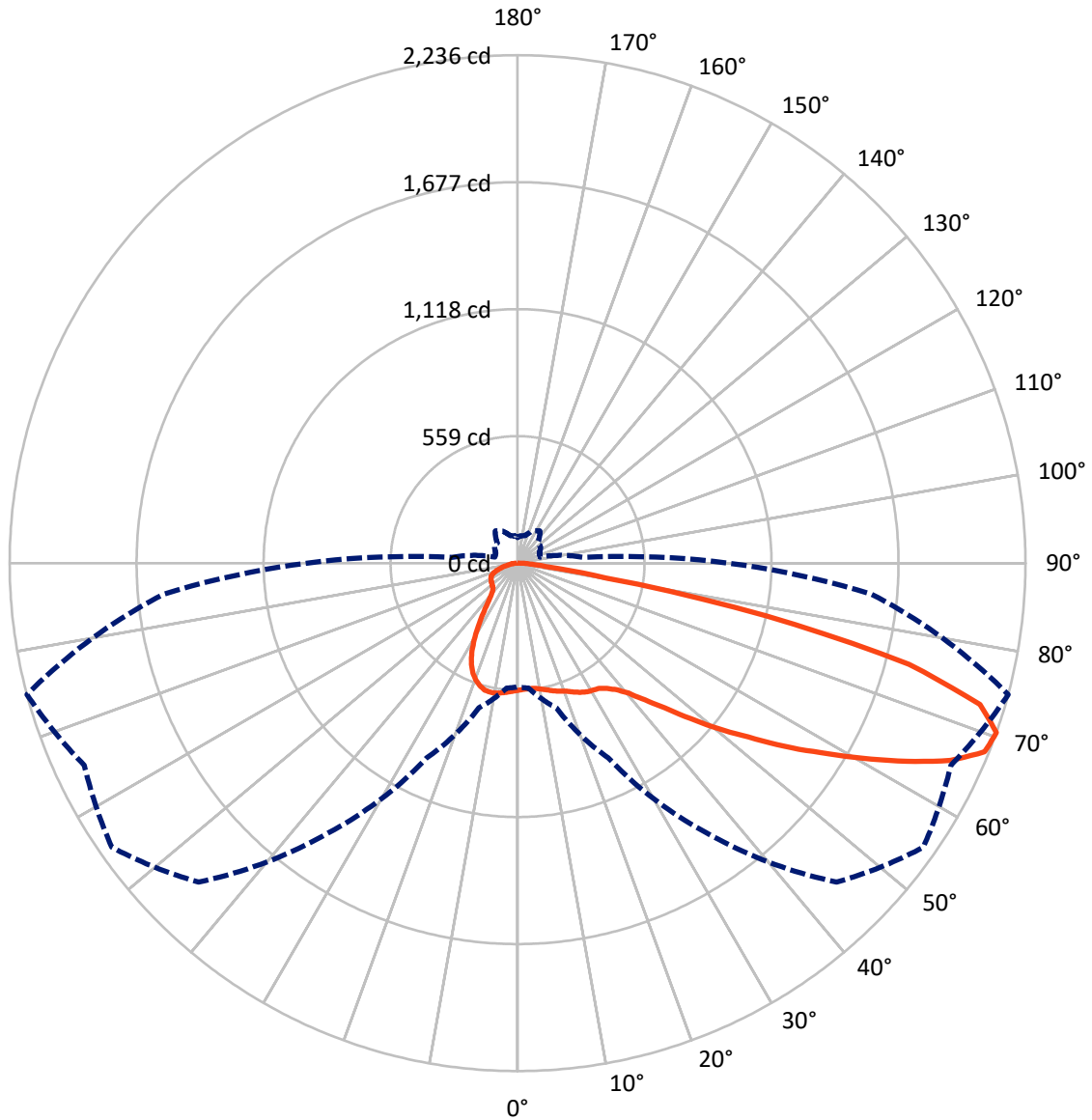
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 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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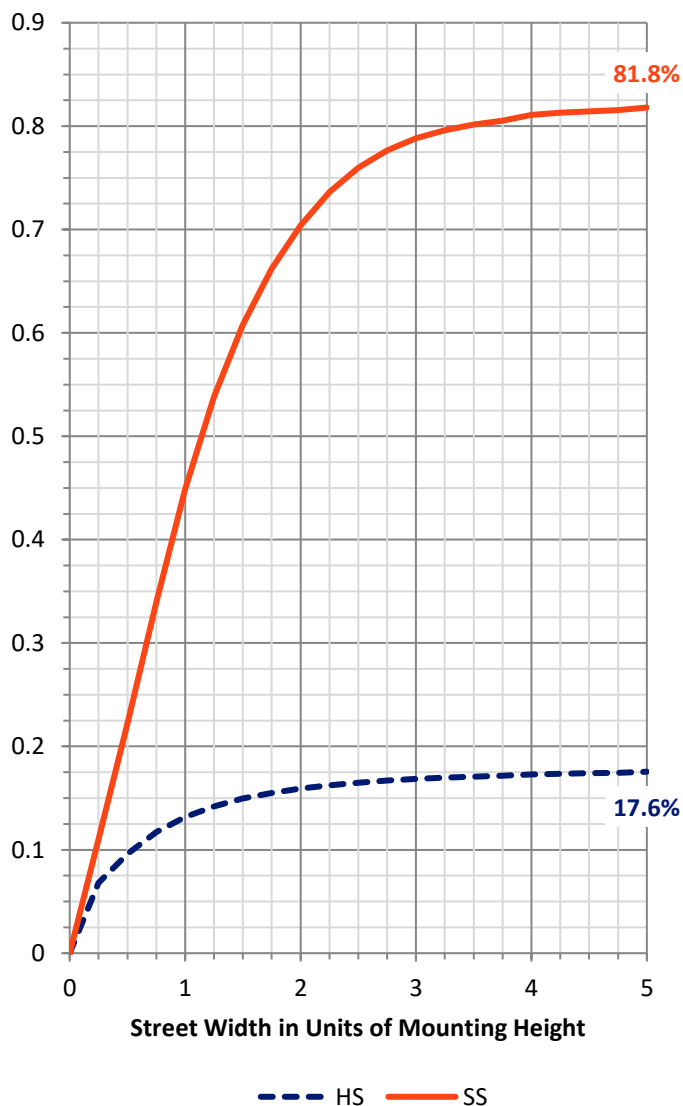
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.0	0.0	601.0
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	2777.0	0.0	2777.0
	% Fixture	82.2	0.0	82.2
Total	Lumens	3378.0	0.0	3378.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.5
10°-20°	134.1	4.0
20°-30°	226.0	6.7
30°-40°	343.3	10.2
40°-50°	491.8	14.6
50°-60°	652.0	19.3
60°-70°	816.0	24.2
70°-80°	595.8	17.6
80°-90°	68.7	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°	3378.0	100.0
0°-180°	3378.0	100.0



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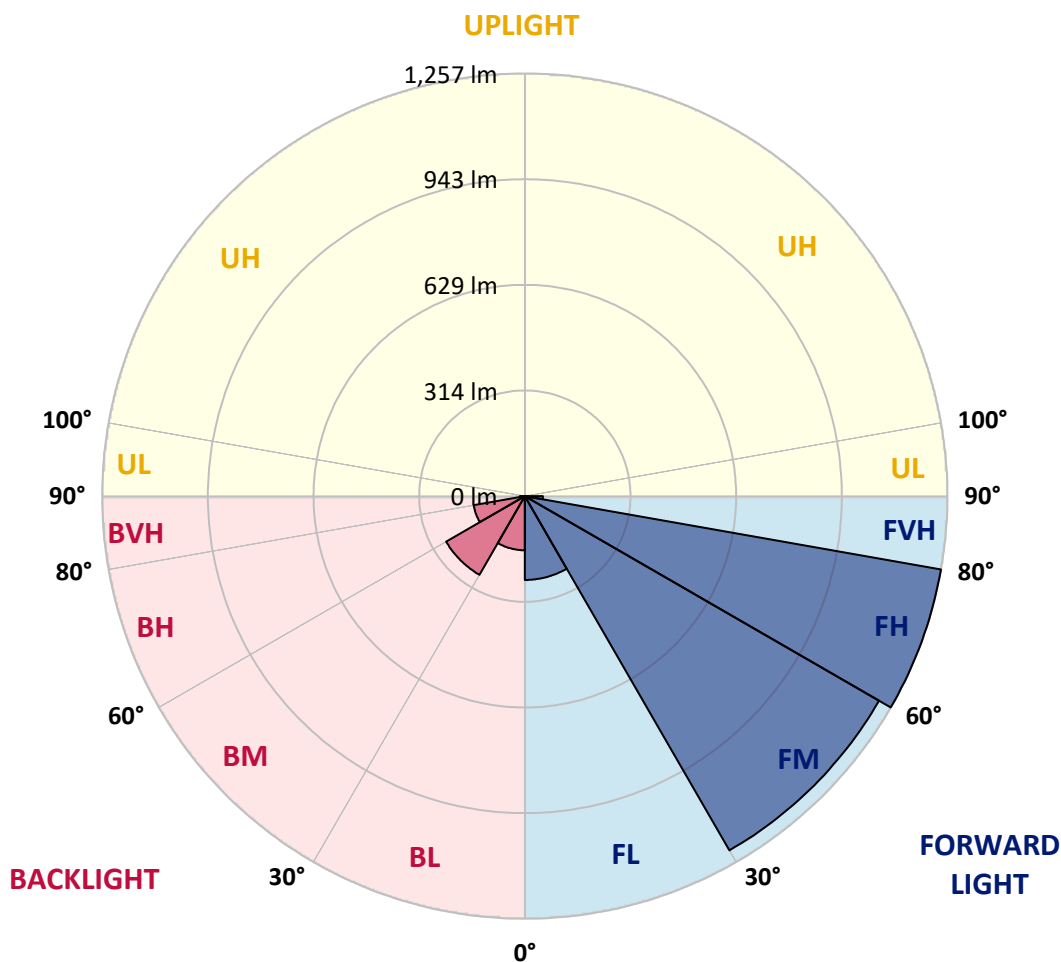
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.3	7.4			
FM (30°-60°)	1216.9	36.0			
FH (60°-80°)	1257.2	37.2			G1/1800
FVH (80°-90°)	53.6	1.6			G1/100
BL (0°-30°)	161.1	4.8	B1/500		
BM (30°-60°)	270.2	8.0	B1/1000		
BH (60°-80°)	154.6	4.6	B1/500		G1/500
BVH (80°-90°)	15.1	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°	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5
2.5°	528.9	531.8	534.5	537.2	539.4	545.2	546.4	552.7	554.4	555.9	557.8
5°	499.3	501.5	504.1	508.5	513.1	523.6	530.9	544.7	552.5	554.9	561.7
7.5°	483.2	484.0	487.6	491.2	496.6	506.8	516.8	538.4	554.0	556.6	571.2
10°	471.6	472.5	475.9	481.0	486.4	495.9	508.3	534.0	559.3	563.4	584.1
12.5°	467.4	466.9	470.8	474.2	481.8	493.7	506.6	534.3	566.6	572.4	602.8
15°	484.0	480.8	483.2	482.0	484.4	496.1	511.4	539.6	575.6	582.9	622.3
17.5°	520.4	517.7	516.0	505.6	498.8	505.3	519.9	547.2	585.1	592.9	639.8
20°	574.9	567.3	561.0	543.5	524.5	522.4	532.6	554.7	594.1	601.6	658.2
22.5°	636.8	630.8	620.6	589.9	560.5	545.9	548.6	568.5	607.2	615.5	679.4
25°	715.1	714.9	694.0	652.6	608.2	578.8	573.2	590.7	622.0	630.0	696.9
27.5°	804.3	798.2	773.5	720.2	664.3	619.3	606.2	613.3	633.9	642.2	711.0
30°	880.6	881.4	856.1	798.0	724.1	659.0	634.2	629.6	641.7	650.0	724.1
32.5°	962.3	958.2	935.1	875.3	788.8	701.5	652.2	641.2	649.7	657.5	742.3
35°	1039.1	1034.5	1014.6	950.2	860.0	748.4	676.5	659.5	668.7	677.2	764.7
37.5°	1112.3	1113.0	1090.4	1028.9	929.0	803.8	712.4	686.9	696.9	706.4	798.7
40°	1176.2	1172.6	1155.1	1099.7	1000.7	860.2	753.0	724.4	743.8	752.5	841.8
42.5°	1196.6	1196.4	1203.2	1169.2	1076.1	927.3	803.6	782.7	810.2	823.3	894.5
45°	1178.9	1184.2	1223.6	1222.6	1151.4	1004.4	872.6	853.7	893.3	908.1	958.9
47.5°	1161.4	1169.4	1222.9	1253.3	1219.0	1089.2	957.5	943.4	1000.2	1021.6	1025.8
50°	1135.9	1143.4	1207.1	1257.7	1260.3	1175.0	1067.3	1049.6	1122.7	1144.6	1098.4
52.5°	1107.4	1113.3	1179.1	1254.5	1280.0	1242.1	1175.0	1169.9	1254.0	1271.7	1172.3
55°	950.4	975.2	1138.1	1247.7	1293.6	1293.4	1279.8	1296.5	1397.2	1423.7	1254.7
57.5°	860.2	873.4	1022.4	1243.8	1319.1	1340.8	1387.9	1423.9	1550.1	1573.9	1345.6
60°	830.8	842.5	964.3	1239.2	1369.9	1414.9	1493.7	1552.0	1714.4	1743.5	1447.2
62.5°	804.1	818.2	940.7	1202.5	1431.4	1532.3	1619.8	1690.6	1887.7	1922.2	1548.4
65°	749.6	759.6	897.4	1171.6	1489.8	1699.8	1801.9	1843.2	2055.7	2094.5	1615.5
67.5°	655.6	665.0	799.9	1100.6	1527.7	1874.1	2001.0	2001.2	2185.5	2217.3	1629.5
70°	545.0	552.3	659.5	946.0	1448.7	1985.9	2180.6	2104.5	2222.2	2236.0	1562.5
72.5°	389.6	396.0	483.0	699.3	1187.9	1895.2	2221.4	2100.1	2133.2	2128.8	1371.7
75°	240.2	252.3	295.8	426.8	738.2	1491.2	1999.3	1903.0	1791.2	1779.0	1032.8
77.5°	156.5	162.9	200.0	251.8	325.7	856.1	1518.5	1426.8	1131.0	1116.9	555.2
80°	94.1	104.5	131.0	158.2	147.5	327.4	867.0	708.8	399.6	395.2	170.6
82.5°	50.6	60.0	92.4	98.0	82.9	115.7	314.0	230.4	127.9	126.4	63.9
85°	40.1	44.7	66.4	62.0	46.9	58.6	122.5	96.0	65.6	64.2	24.1
87.5°	24.3	30.6	50.3	41.8	23.3	21.1	56.1	45.5	30.9	28.7	9.5
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°	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5
2.5°	561.5	562.7	563.9	561.5	562.5	561.3	561.3	561.3	558.1	557.1	560.0
5°	566.8	568.5	569.5	562.0	557.4	550.6	545.0	536.5	531.6	528.4	528.4
7.5°	577.8	579.7	575.3	558.6	542.3	524.1	505.3	489.8	478.6	473.7	475.2
10°	593.8	594.6	580.0	549.1	514.3	480.6	454.1	433.4	419.5	412.5	411.5
12.5°	612.5	609.4	580.9	528.2	476.7	431.2	398.9	372.1	354.4	347.6	344.2
15°	631.0	623.5	577.3	503.2	433.9	379.2	337.9	312.6	301.7	298.5	297.3
17.5°	647.5	633.4	565.1	467.2	384.3	318.4	288.0	279.0	280.3	283.2	284.4
20°	662.6	641.0	547.6	424.4	322.3	271.0	263.5	271.8	278.6	282.9	283.7
22.5°	679.1	648.3	523.3	372.4	271.5	249.1	258.1	267.6	274.4	278.8	279.5
25°	691.8	648.0	489.1	310.6	239.4	243.3	254.0	262.5	267.6	270.8	270.5
27.5°	699.8	642.2	444.1	259.8	226.8	239.2	249.4	255.0	257.9	260.3	260.1
30°	702.2	631.0	387.5	222.4	221.0	235.3	243.1	246.5	248.7	251.1	251.1
32.5°	707.1	613.8	325.0	201.5	216.6	231.4	236.0	238.7	237.0	230.9	229.7
35°	712.4	594.6	265.9	191.8	212.4	228.7	233.1	226.1	207.6	205.2	204.2
37.5°	722.9	576.8	215.8	185.0	211.5	230.2	233.8	205.6	190.1	182.5	181.3
40°	740.6	559.1	182.3	180.1	212.7	236.5	224.1	195.9	170.1	155.8	153.4
42.5°	764.0	537.4	163.3	177.7	216.1	246.7	220.7	182.1	153.9	144.1	142.7
45°	791.0	508.7	154.4	177.2	220.2	251.8	221.7	170.9	146.6	139.0	138.6
47.5°	818.9	480.6	150.5	176.7	225.3	249.6	208.3	167.5	143.7	141.5	142.9
50°	849.0	448.5	147.3	175.5	229.5	249.6	201.0	166.7	144.6	149.5	154.4
52.5°	877.2	421.5	143.7	171.9	231.2	245.3	198.8	169.4	146.1	144.9	146.3
55°	911.5	407.6	141.7	166.7	228.0	231.9	196.2	176.7	147.3	137.3	137.3
57.5°	950.7	404.7	138.8	159.9	217.8	213.4	195.9	181.1	144.1	134.9	133.2
60°	997.8	411.0	135.1	151.4	205.4	199.1	194.2	181.1	139.0	130.8	131.5
62.5°	1036.0	410.3	133.0	143.9	188.9	184.2	191.1	178.7	137.1	130.3	130.0
65°	1045.0	394.7	126.6	134.2	168.4	166.3	187.7	172.6	134.4	127.6	125.7
67.5°	1014.6	359.5	117.2	121.3	146.8	147.1	181.6	164.6	130.8	126.2	123.0
70°	928.3	290.7	103.1	105.7	123.5	126.6	172.6	155.1	124.7	119.8	112.3
72.5°	776.9	209.0	86.8	87.5	98.2	106.5	157.0	142.2	115.7	104.3	96.3
75°	575.1	138.8	70.7	69.8	73.7	86.5	134.2	127.9	104.0	86.5	82.4
77.5°	304.1	82.2	54.4	54.7	52.3	66.4	106.5	111.1	92.4	72.9	68.8
80°	104.0	49.3	39.1	40.8	36.9	47.4	79.0	92.4	79.0	60.8	53.7
82.5°	47.6	30.1	28.0	29.2	26.5	32.1	54.2	70.0	63.0	44.2	35.7
85°	24.1	18.0	18.0	19.7	17.5	16.5	29.9	46.4	46.2	30.4	26.3
87.5°	10.0	8.8	8.3	9.5	8.3	6.3	8.5	16.8	24.3	18.2	11.7
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)