

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: P672287

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672287
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-827-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

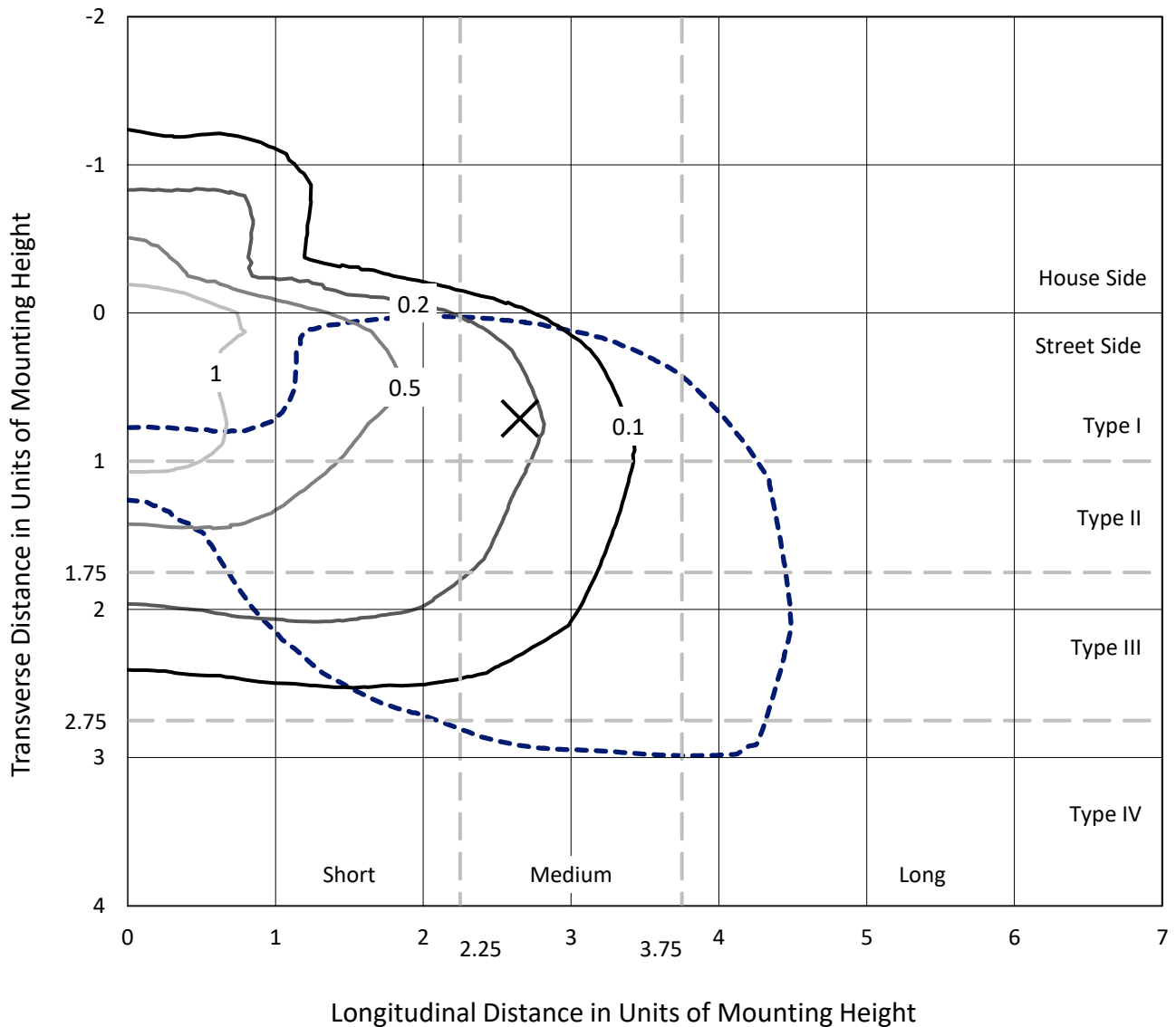
Lumens per Lamp: N/A
Luminaire Lumens: 2044 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

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

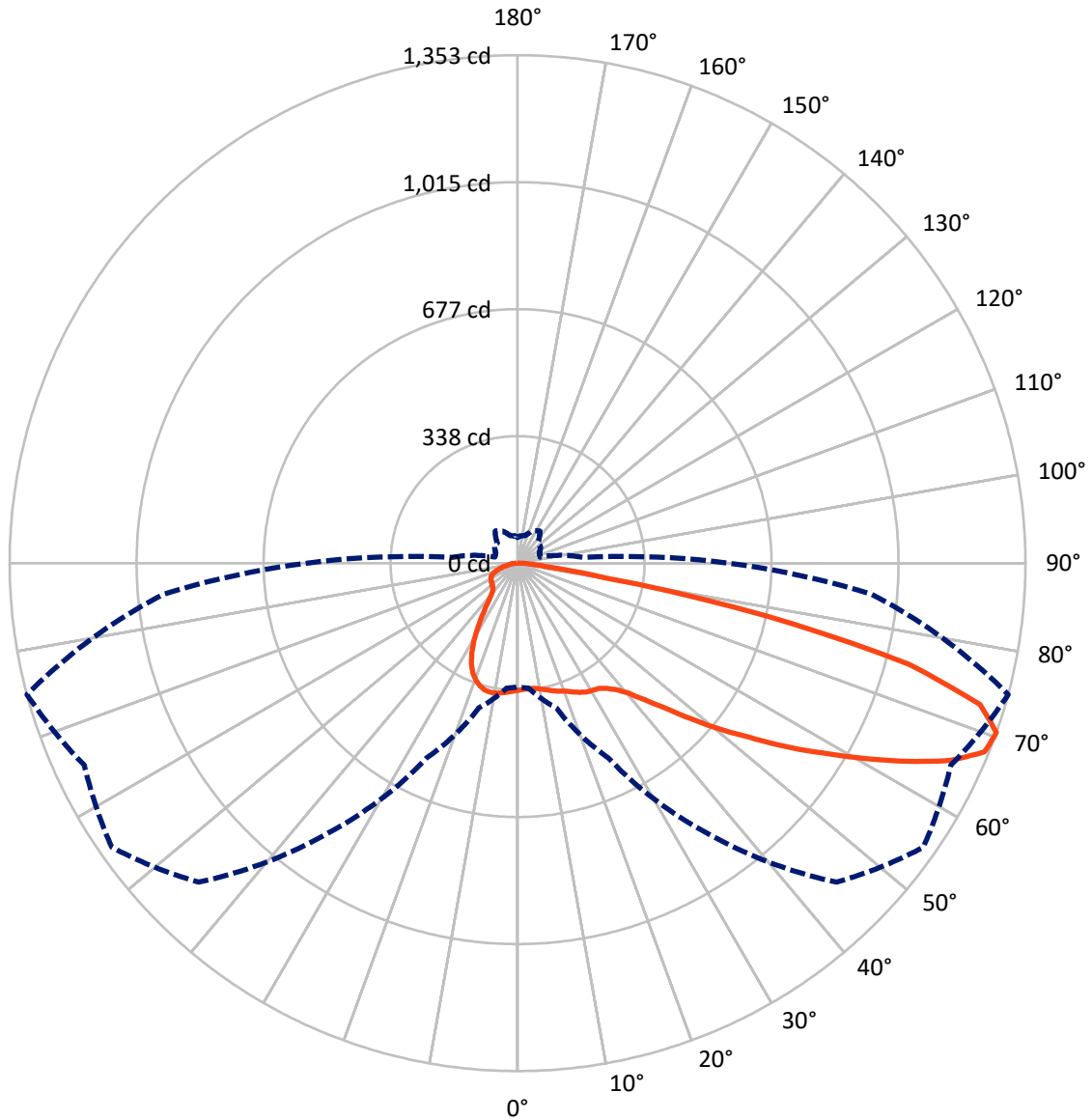
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 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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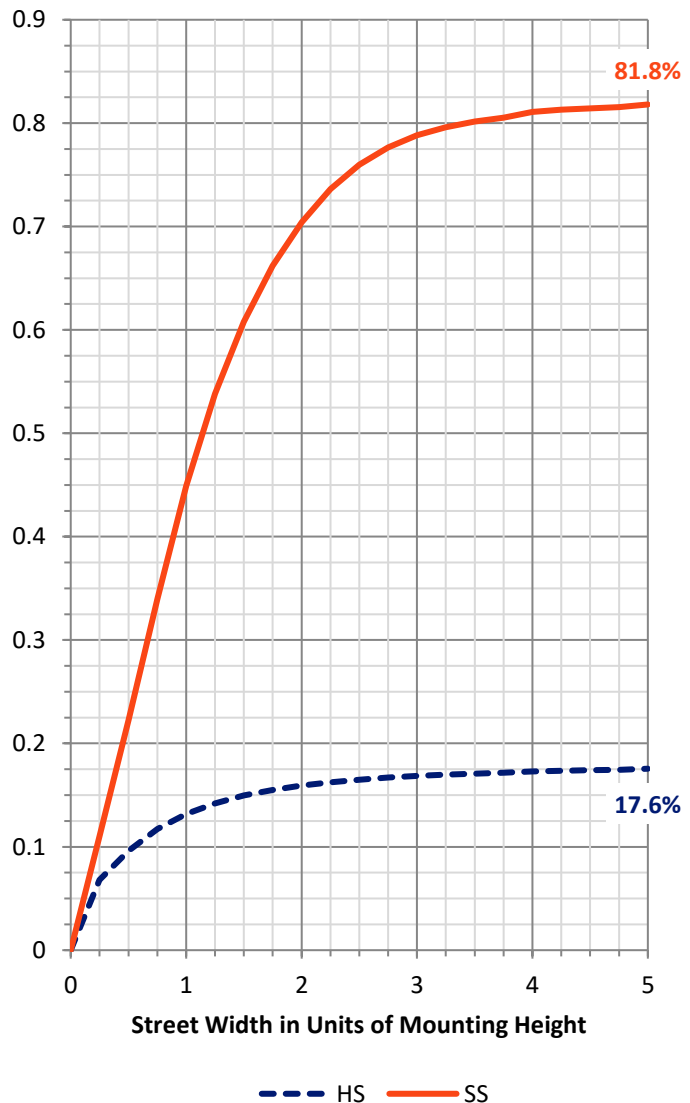
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	363.6	0.0	363.6
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	1680.4	0.0	1680.4
	% Fixture	82.2	0.0	82.2
Total	Lumens	2044.0	0.0	2044.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	1.5
10°-20°	81.2	4.0
20°-30°	136.8	6.7
30°-40°	207.7	10.2
40°-50°	297.6	14.6
50°-60°	394.5	19.3
60°-70°	493.7	24.2
70°-80°	360.5	17.6
80°-90°	41.6	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°	2044.0	100.0
0°-180°	2044.0	100.0



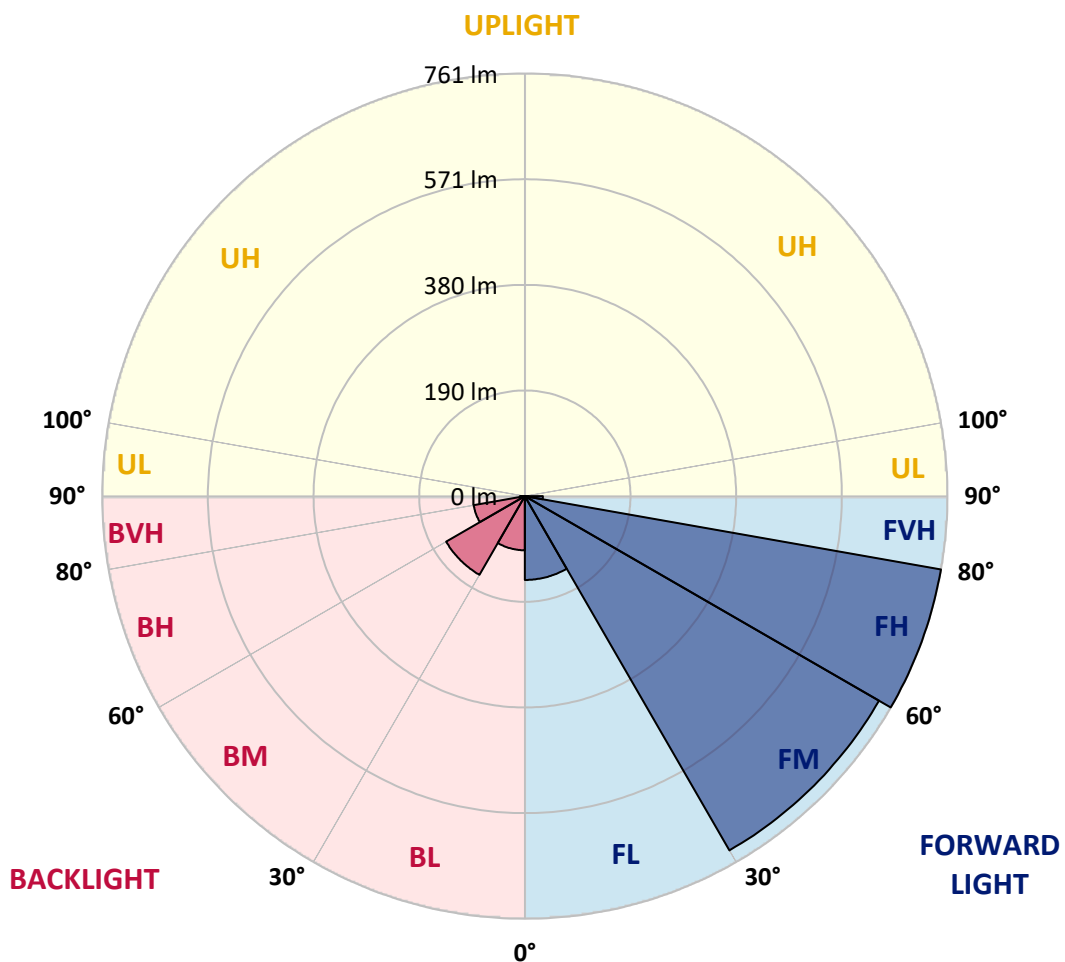
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.9	7.4			
FM (30°-60°)	736.3	36.0			
FH (60°-80°)	760.7	37.2			G1/1800
FVH (80°-90°)	32.4	1.6			G1/100
BL (0°-30°)	97.5	4.8	B0/110		
BM (30°-60°)	163.5	8.0	B0/220		
BH (60°-80°)	93.5	4.6	B0/110		G0/110
BVH (80°-90°)	9.1	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
2.5°	320.1	321.8	323.4	325.1	326.4	329.9	330.6	334.5	335.5	336.4	337.6
5°	302.1	303.4	305.0	307.7	310.5	316.8	321.2	329.6	334.3	335.8	339.9
7.5°	292.4	292.8	295.0	297.3	300.5	306.7	312.7	325.8	335.2	336.8	345.6
10°	285.3	285.9	288.0	291.1	294.3	300.0	307.5	323.1	338.4	340.9	353.4
12.5°	282.8	282.5	284.9	287.0	291.5	298.7	306.5	323.3	342.8	346.4	364.8
15°	292.8	290.9	292.4	291.7	293.1	300.2	309.5	326.5	348.3	352.7	376.5
17.5°	314.9	313.3	312.3	305.9	301.8	305.8	314.6	331.1	354.0	358.7	387.1
20°	347.8	343.3	339.5	328.9	317.4	316.1	322.3	335.6	359.5	364.0	398.3
22.5°	385.4	381.7	375.5	357.0	339.2	330.3	332.0	344.0	367.4	372.4	411.1
25°	432.7	432.6	419.9	394.9	368.0	350.2	346.8	357.4	376.4	381.2	421.7
27.5°	486.7	483.0	468.0	435.8	402.0	374.8	366.8	371.1	383.6	388.6	430.2
30°	532.9	533.3	518.0	482.9	438.2	398.7	383.7	380.9	388.3	393.3	438.2
32.5°	582.3	579.8	565.8	529.6	477.3	424.5	394.6	388.0	393.2	397.9	449.2
35°	628.8	626.0	613.9	574.9	520.4	452.9	409.3	399.0	404.6	409.8	462.7
37.5°	673.0	673.5	659.8	622.6	562.1	486.4	431.1	415.7	421.7	427.4	483.3
40°	711.7	709.5	698.9	665.4	605.5	520.5	455.7	438.3	450.1	455.4	509.3
42.5°	724.1	723.9	728.1	707.5	651.1	561.1	486.3	473.6	490.2	498.2	541.3
45°	713.3	716.6	740.4	739.8	696.7	607.7	528.0	516.6	540.5	549.5	580.2
47.5°	702.8	707.6	740.0	758.4	737.6	659.1	579.4	570.8	605.2	618.2	620.7
50°	687.3	691.9	730.4	761.0	762.6	711.0	645.8	635.1	679.4	692.6	664.7
52.5°	670.1	673.6	713.5	759.1	774.5	751.6	711.0	707.9	758.8	769.5	709.4
55°	575.1	590.1	688.6	755.0	782.8	782.6	774.4	784.5	845.4	861.5	759.2
57.5°	520.5	528.5	618.6	752.6	798.2	811.3	839.8	861.6	937.9	952.4	814.2
60°	502.7	509.8	583.5	749.8	829.0	856.2	903.8	939.1	1037.4	1055.0	875.7
62.5°	486.5	495.1	569.2	727.6	866.2	927.2	980.2	1023.0	1142.2	1163.1	936.9
65°	453.6	459.6	543.0	708.9	901.5	1028.5	1090.3	1115.3	1243.9	1267.4	977.5
67.5°	396.7	402.4	484.0	666.0	924.4	1134.0	1210.8	1210.9	1322.4	1341.7	986.0
70°	329.8	334.2	399.0	572.4	876.6	1201.7	1319.5	1273.4	1344.6	1353.0	945.4
72.5°	235.8	239.6	292.3	423.2	718.8	1146.8	1344.2	1270.8	1290.8	1288.1	830.0
75°	145.3	152.7	179.0	258.3	446.7	902.4	1209.8	1151.5	1083.8	1076.5	625.0
77.5°	94.7	98.5	121.0	152.4	197.1	518.0	918.8	863.4	684.4	675.8	335.9
80°	56.9	63.2	79.3	95.8	89.3	198.1	524.6	428.9	241.8	239.2	103.3
82.5°	30.6	36.3	55.9	59.3	50.2	70.0	190.0	139.4	77.4	76.5	38.7
85°	24.3	27.1	40.2	37.5	28.4	35.4	74.1	58.1	39.7	38.8	14.6
87.5°	14.7	18.5	30.4	25.3	14.1	12.8	34.0	27.5	18.7	17.4	5.7
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°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
2.5°	339.8	340.5	341.2	339.8	340.3	339.6	339.6	339.6	337.7	337.1	338.9
5°	343.0	344.0	344.6	340.1	337.3	333.1	329.8	324.6	321.7	319.8	319.8
7.5°	349.6	350.8	348.1	338.0	328.1	317.1	305.8	296.4	289.6	286.7	287.5
10°	359.3	359.8	350.9	332.3	311.2	290.8	274.7	262.2	253.9	249.6	249.0
12.5°	370.6	368.7	351.5	319.6	288.4	260.9	241.4	225.2	214.4	210.3	208.3
15°	381.8	377.3	349.3	304.5	262.5	229.4	204.4	189.1	182.5	180.6	179.9
17.5°	391.8	383.3	342.0	282.7	232.5	192.7	174.3	168.9	169.6	171.4	172.1
20°	400.9	387.9	331.4	256.8	195.0	164.0	159.4	164.4	168.6	171.2	171.6
22.5°	410.9	392.3	316.7	225.3	164.3	150.8	156.2	161.9	166.1	168.7	169.1
25°	418.6	392.1	295.9	188.0	144.9	147.2	153.7	158.8	161.9	163.8	163.7
27.5°	423.4	388.6	268.7	157.2	137.2	144.7	150.9	154.3	156.1	157.5	157.4
30°	424.9	381.8	234.4	134.6	133.7	142.4	147.1	149.1	150.5	151.9	151.9
32.5°	427.9	371.4	196.6	121.9	131.1	140.0	142.8	144.4	143.4	139.7	139.0
35°	431.1	359.8	160.9	116.0	128.5	138.4	141.1	136.8	125.6	124.1	123.5
37.5°	437.4	349.0	130.6	111.9	128.0	139.3	141.5	124.4	115.0	110.5	109.7
40°	448.2	338.3	110.3	109.0	128.7	143.1	135.6	118.5	103.0	94.3	92.8
42.5°	462.3	325.2	98.8	107.5	130.8	149.3	133.6	110.2	93.1	87.2	86.3
45°	478.6	307.8	93.4	107.2	133.3	152.4	134.1	103.4	88.7	84.1	83.8
47.5°	495.5	290.8	91.0	106.9	136.3	151.1	126.0	101.3	86.9	85.6	86.5
50°	513.8	271.4	89.1	106.2	138.8	151.1	121.6	100.9	87.5	90.5	93.4
52.5°	530.8	255.0	86.9	104.0	139.9	148.4	120.3	102.5	88.4	87.7	88.5
55°	551.6	246.7	85.7	100.9	138.0	140.3	118.7	106.9	89.1	83.1	83.1
57.5°	575.2	244.9	84.0	96.8	131.8	129.1	118.5	109.6	87.2	81.6	80.6
60°	603.8	248.7	81.8	91.6	124.3	120.5	117.5	109.6	84.1	79.1	79.6
62.5°	626.9	248.3	80.5	87.1	114.3	111.5	115.6	108.1	83.0	78.8	78.7
65°	632.3	238.9	76.6	81.2	101.9	100.6	113.5	104.4	81.3	77.2	76.0
67.5°	613.9	217.5	70.9	73.4	88.8	89.0	109.9	99.6	79.1	76.3	74.4
70°	561.7	175.9	62.4	64.0	74.7	76.6	104.4	93.8	75.5	72.5	68.0
72.5°	470.1	126.5	52.5	52.9	59.4	64.4	95.0	86.0	70.0	63.1	58.2
75°	348.0	84.0	42.8	42.2	44.6	52.4	81.2	77.4	63.0	52.4	49.9
77.5°	184.0	49.7	32.9	33.1	31.6	40.2	64.4	67.2	55.9	44.1	41.6
80°	63.0	29.9	23.7	24.7	22.4	28.7	47.8	55.9	47.8	36.8	32.5
82.5°	28.8	18.2	16.9	17.6	16.0	19.4	32.8	42.4	38.1	26.8	21.6
85°	14.6	10.9	10.9	11.9	10.6	10.0	18.1	28.1	27.9	18.4	15.9
87.5°	6.0	5.3	5.0	5.7	5.0	3.8	5.1	10.1	14.7	11.0	7.1
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)