

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: P671347

Luminaire Tested: **CCP-SA-1B-722-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671347
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-722-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL3
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

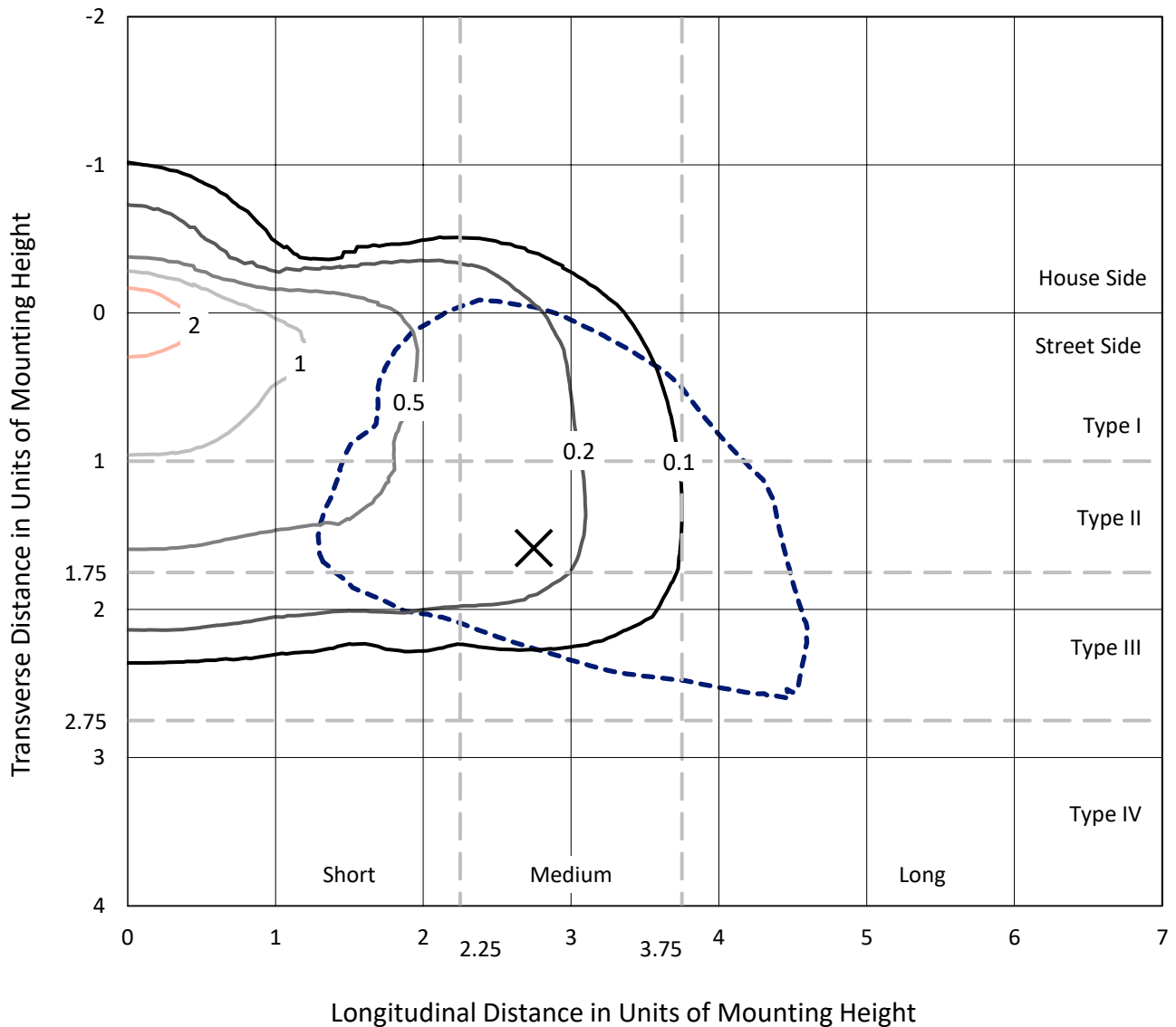
Lumens per Lamp: N/A
Luminaire Lumens: 2515.3 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): 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

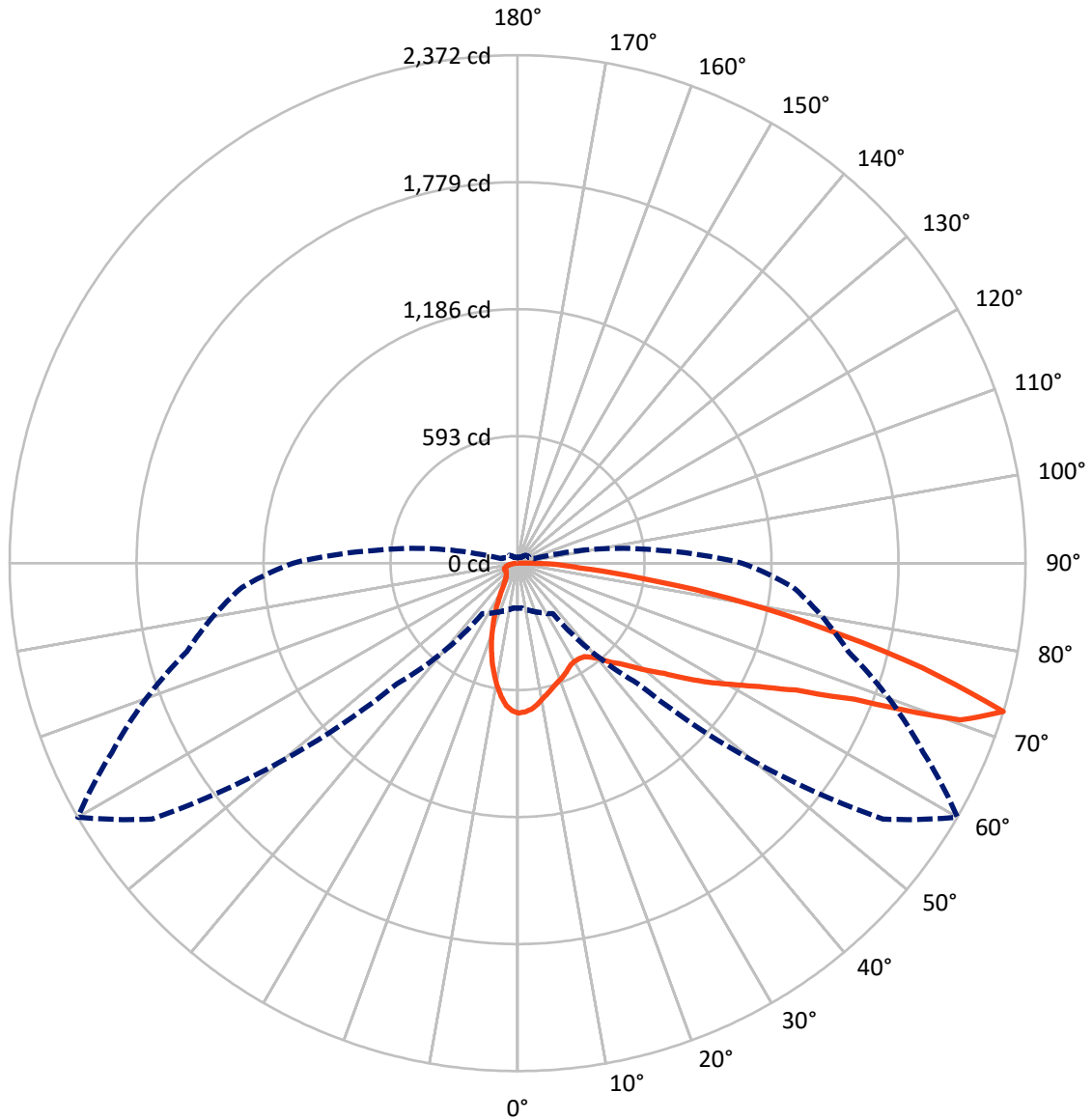
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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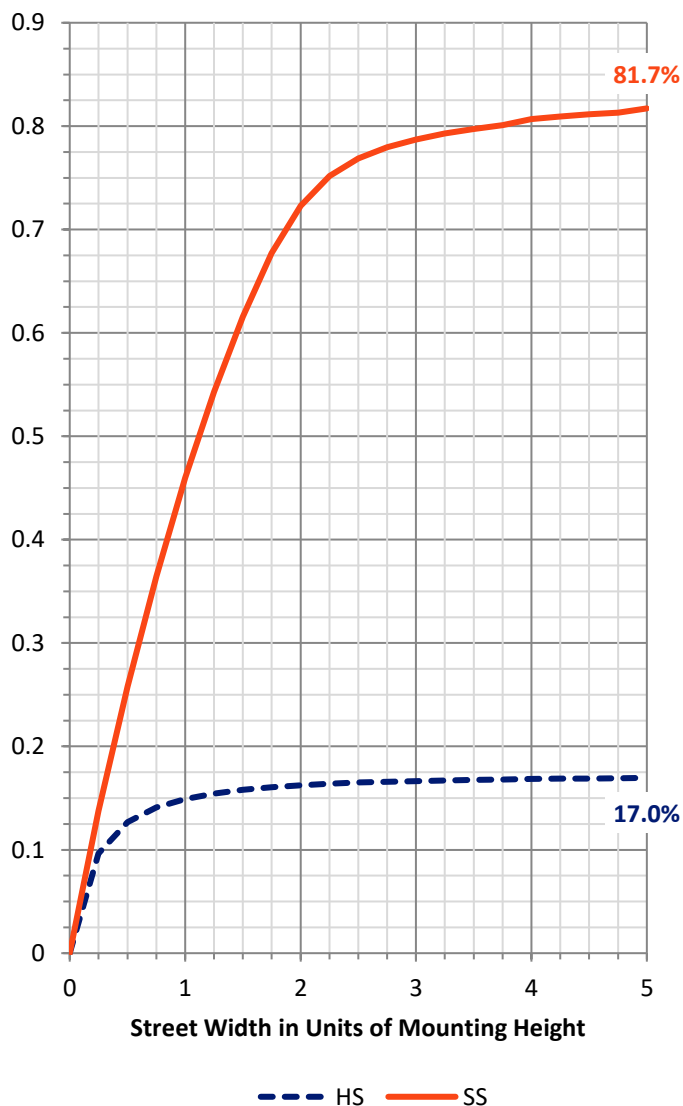
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.1	0.0	432.1
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	2083.2	0.0	2083.2
	% Fixture	82.8	0.0	82.8
Total	Lumens	2515.3	0.0	2515.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	2.4
10°-20°	137.7	5.5
20°-30°	176.2	7.0
30°-40°	225.4	9.0
40°-50°	309.1	12.3
50°-60°	447.1	17.8
60°-70°	613.3	24.4
70°-80°	460.3	18.3
80°-90°	85.5	3.4
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°	2515.3	100.0
0°-180°	2515.3	100.0



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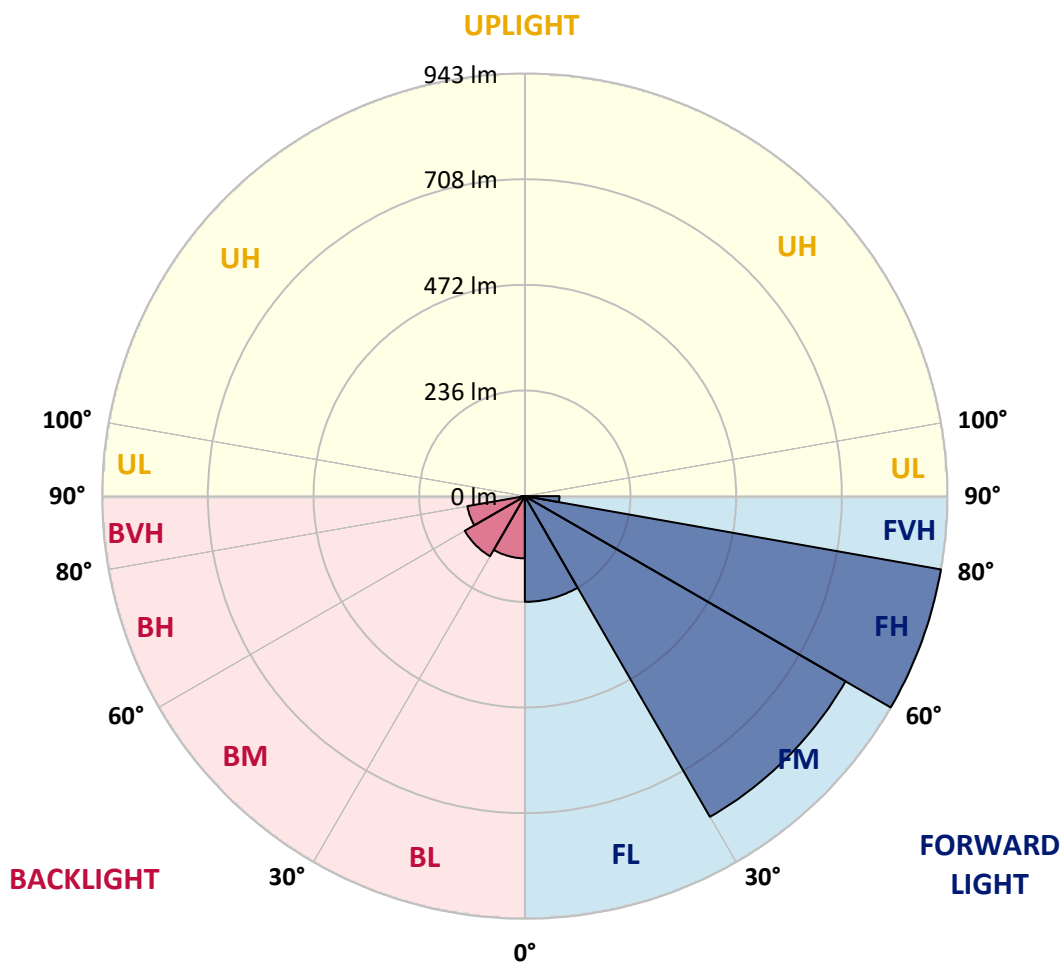
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.8	9.4			
FM (30°-60°)	826.7	32.9			
FH (60°-80°)	943.4	37.5			G1/1800
FVH (80°-90°)	77.2	3.1			G1/100
BL (0°-30°)	138.7	5.5	B1/500		
BM (30°-60°)	154.8	6.2	B0/220		
BH (60°-80°)	130.2	5.2	B1/500		G1/500
BVH (80°-90°)	8.3	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4
2.5°	685.4	692.0	693.8	693.8	699.4	692.9	702.3	694.8	696.6	699.4	697.6
5°	652.6	663.9	657.3	669.5	664.8	673.2	684.5	684.5	681.7	687.3	682.6
7.5°	620.8	617.0	628.3	628.3	635.8	647.0	656.4	665.7	666.7	668.5	667.6
10°	577.7	582.4	588.0	595.5	604.9	616.1	635.8	643.3	645.1	656.4	653.6
12.5°	542.1	548.7	552.4	567.4	575.8	591.8	614.2	624.5	625.5	641.4	641.4
15°	515.9	519.7	528.1	533.7	552.4	574.9	596.4	605.8	616.1	633.0	628.3
17.5°	498.1	502.8	506.6	514.0	531.8	550.6	584.3	589.9	602.1	626.4	620.8
20°	487.8	488.8	494.4	499.1	515.0	532.8	562.7	577.7	593.6	615.2	609.6
22.5°	489.7	486.0	485.0	491.6	494.4	511.2	547.8	563.7	586.1	611.4	602.1
25°	493.4	494.4	492.5	486.9	487.8	502.8	527.2	547.8	573.0	610.5	591.8
27.5°	502.8	507.5	500.0	494.4	488.8	494.4	519.7	534.6	562.7	615.2	590.8
30°	512.2	516.9	515.0	506.6	495.3	493.4	511.2	530.0	557.1	618.9	590.8
32.5°	526.2	532.8	526.2	529.0	515.9	507.5	514.0	530.9	562.7	632.0	591.8
35°	542.1	547.8	549.6	543.1	540.3	524.3	528.1	536.5	568.4	647.0	601.1
37.5°	559.9	566.5	572.1	573.0	563.7	554.3	552.4	557.1	582.4	673.2	611.4
40°	572.1	575.8	587.1	596.4	599.3	586.1	585.2	585.2	607.7	696.6	630.2
42.5°	592.7	590.8	606.7	623.6	628.3	620.8	622.7	630.2	643.3	730.3	660.1
45°	603.0	601.1	619.9	647.9	669.5	665.7	667.6	670.4	682.6	783.7	710.7
47.5°	617.0	618.9	646.1	677.9	700.4	713.5	723.8	722.9	732.2	838.0	766.9
50°	631.1	634.8	667.6	701.3	740.6	763.1	778.1	788.4	797.8	895.1	831.5
52.5°	658.2	662.0	698.5	735.0	785.6	818.4	855.8	854.9	855.8	952.3	896.1
55°	697.6	698.5	720.0	762.2	830.5	890.5	942.0	947.6	931.7	1023.4	970.0
57.5°	742.5	746.3	765.0	796.8	866.1	959.7	1038.4	1049.6	1006.6	1081.5	1037.5
60°	784.7	787.5	816.5	853.0	927.9	1046.8	1135.8	1148.9	1102.1	1152.6	1107.7
62.5°	736.9	750.9	802.4	885.8	1036.5	1178.8	1259.4	1267.8	1194.8	1224.7	1182.6
65°	589.9	599.3	673.2	808.1	1044.0	1418.6	1450.4	1427.9	1322.1	1317.4	1295.9
67.5°	328.7	336.1	386.7	528.1	879.2	1508.4	1861.4	1696.6	1519.7	1456.9	1449.5
70°	259.4	261.2	267.8	296.8	487.8	1329.6	2185.4	2192.9	1842.7	1648.9	1482.2
72.5°	210.7	209.7	229.4	254.7	288.4	797.8	2083.4	2371.7	2089.9	1598.3	1291.2
75°	161.1	163.9	189.1	225.7	264.0	375.5	1554.3	1951.3	1957.9	1489.7	1089.0
77.5°	122.7	123.6	151.7	199.4	258.4	265.0	1014.1	1454.1	1460.7	1153.6	600.2
80°	91.8	91.8	115.2	168.5	251.9	244.4	624.5	1008.4	912.9	405.4	131.1
82.5°	52.4	56.2	76.8	128.3	228.5	235.0	352.1	577.7	385.8	110.5	60.9
85°	28.1	29.0	46.8	86.1	188.2	224.7	268.7	287.5	153.6	59.0	28.1
87.5°	10.3	10.3	21.5	44.0	118.9	166.7	213.5	183.5	88.0	27.2	14.0
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°	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4
2.5°	699.4	695.7	692.9	695.7	685.4	680.7	686.3	683.5	677.9	675.1	673.2
5°	685.4	680.7	676.0	673.2	662.0	650.8	645.1	633.9	624.5	627.3	621.7
7.5°	670.4	665.7	651.7	638.6	616.1	593.6	583.3	567.4	561.8	557.1	554.3
10°	651.7	643.3	621.7	595.5	562.7	537.5	511.2	492.5	472.9	464.4	467.2
12.5°	628.3	623.6	589.9	549.6	503.7	461.6	430.7	400.8	374.5	360.5	356.7
15°	618.0	603.9	555.2	501.9	443.8	391.4	345.5	293.1	262.2	247.2	247.2
17.5°	606.7	580.5	522.5	449.4	383.0	315.5	250.9	203.2	178.8	170.4	170.4
20°	589.0	559.9	484.1	399.8	319.3	237.8	179.8	153.6	146.1	140.5	141.4
22.5°	575.8	540.3	448.5	351.1	252.8	177.0	141.4	133.0	130.2	128.3	129.2
25°	560.9	516.9	411.1	298.7	198.5	139.5	122.7	118.9	120.8	121.7	121.7
27.5°	548.7	497.2	372.7	242.5	149.8	118.0	110.5	109.6	113.3	115.2	116.1
30°	540.3	479.4	335.2	191.0	119.9	104.9	101.1	101.1	105.8	107.7	108.6
32.5°	531.8	464.4	294.9	146.1	102.1	93.6	92.7	93.6	96.4	96.4	97.4
35°	534.6	450.4	256.6	118.0	91.8	86.1	86.1	86.1	87.1	88.0	88.0
37.5°	540.3	446.6	215.4	99.3	84.3	80.5	80.5	79.6	80.5	79.6	80.5
40°	545.9	441.0	177.9	88.0	79.6	76.8	75.8	74.0	73.0	73.0	74.0
42.5°	569.3	448.5	146.1	80.5	75.8	74.0	71.2	69.3	68.4	68.4	68.4
45°	599.3	462.6	120.8	76.8	73.0	68.4	66.5	65.5	63.7	64.6	65.5
47.5°	644.2	484.1	105.8	74.0	70.2	64.6	62.7	60.9	60.9	62.7	62.7
50°	703.2	519.7	96.4	71.2	67.4	61.8	59.0	58.1	58.1	60.9	60.9
52.5°	766.9	560.9	92.7	70.2	64.6	59.0	56.2	55.2	55.2	59.0	59.0
55°	830.5	611.4	95.5	70.2	62.7	56.2	53.4	51.5	52.4	55.2	55.2
57.5°	900.8	665.7	109.6	70.2	60.9	55.2	51.5	48.7	49.6	50.6	50.6
60°	977.5	736.9	133.9	70.2	59.9	53.4	48.7	44.9	44.9	45.9	45.9
62.5°	1055.3	807.1	168.5	71.2	60.9	52.4	44.9	41.2	40.3	41.2	41.2
65°	1157.3	919.5	203.2	71.2	63.7	50.6	42.1	37.5	36.5	36.5	37.5
67.5°	1300.6	1000.0	157.3	68.4	65.5	50.6	39.3	34.6	32.8	32.8	32.8
70°	1224.7	843.6	100.2	63.7	62.7	52.4	37.5	31.8	30.0	29.0	29.0
72.5°	1048.7	675.1	80.5	59.9	58.1	51.5	35.6	30.0	27.2	26.2	26.2
75°	840.8	532.8	70.2	54.3	50.6	43.1	32.8	27.2	25.3	23.4	23.4
77.5°	412.0	222.8	53.4	47.8	43.1	32.8	29.0	25.3	22.5	20.6	20.6
80°	103.0	77.7	39.3	37.5	31.8	25.3	23.4	21.5	19.7	17.8	17.8
82.5°	55.2	45.9	28.1	25.3	21.5	17.8	17.8	16.9	15.9	14.0	13.1
85°	28.1	27.2	18.7	16.9	14.0	11.2	12.2	12.2	11.2	8.4	8.4
87.5°	15.0	15.0	9.4	7.5	6.6	5.6	5.6	5.6	4.7	3.7	3.7
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)