

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: P671235

Luminaire Tested: **CCP-SA-1A-735-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671235
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL2
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2670.5 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

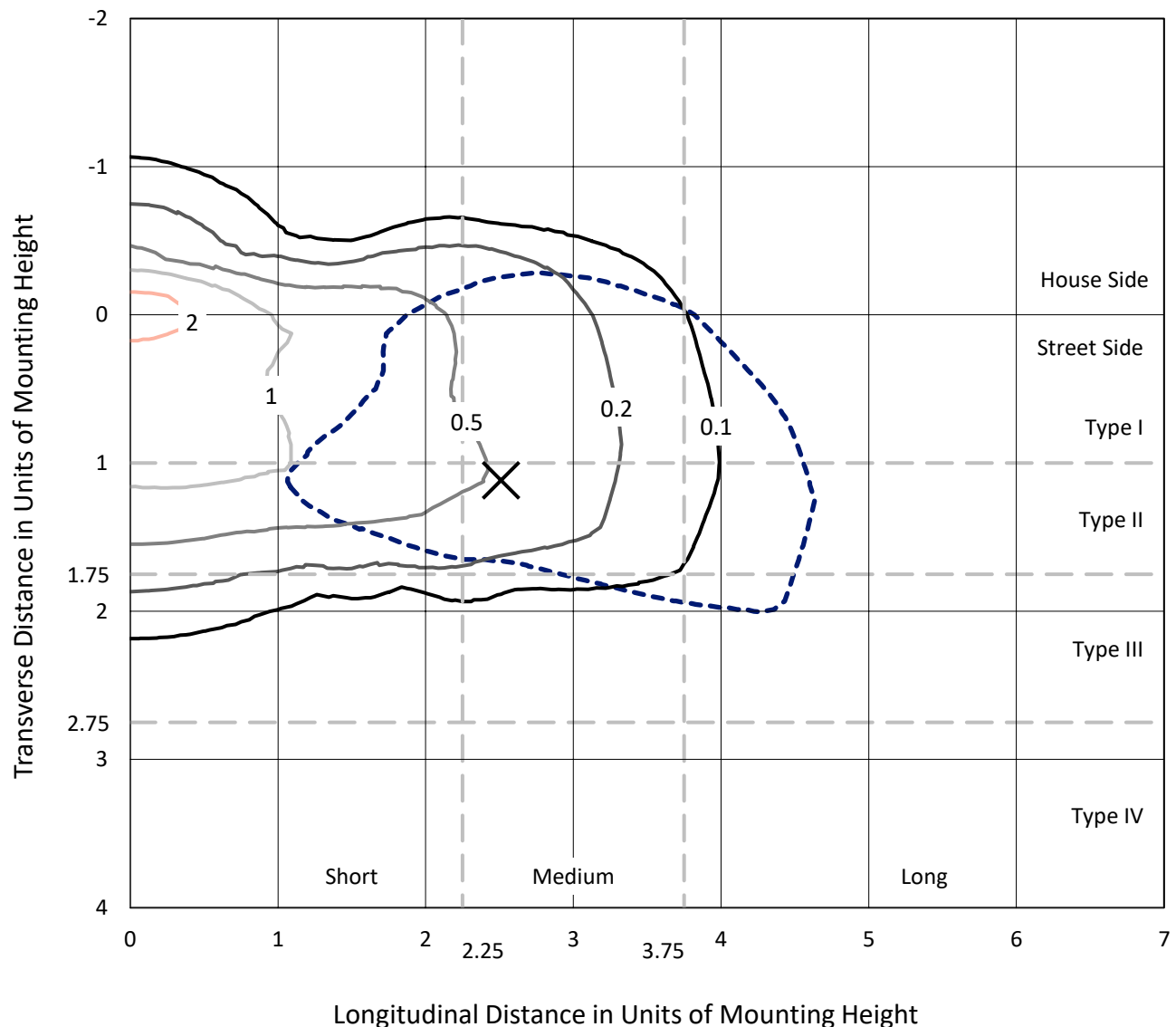
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

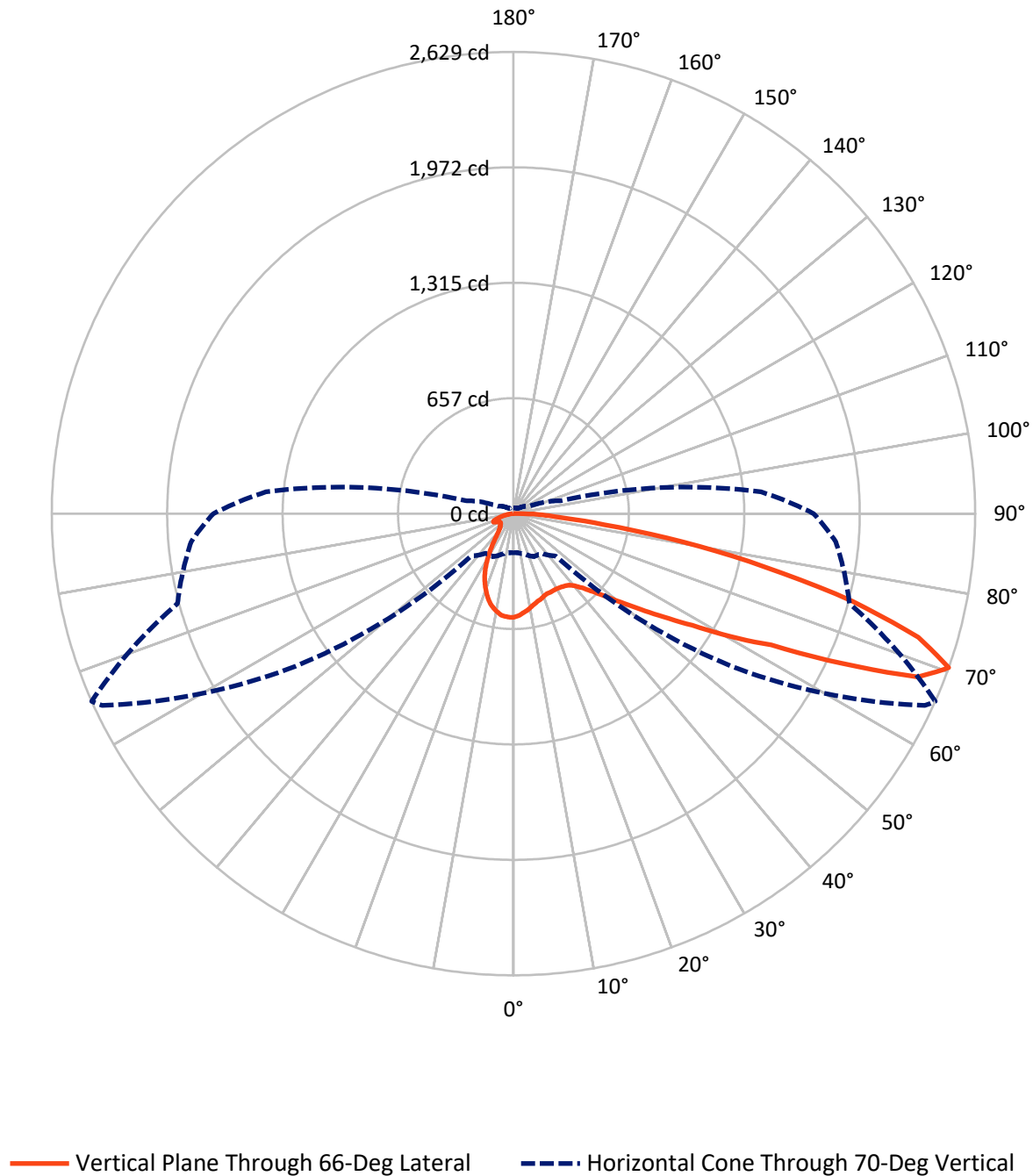
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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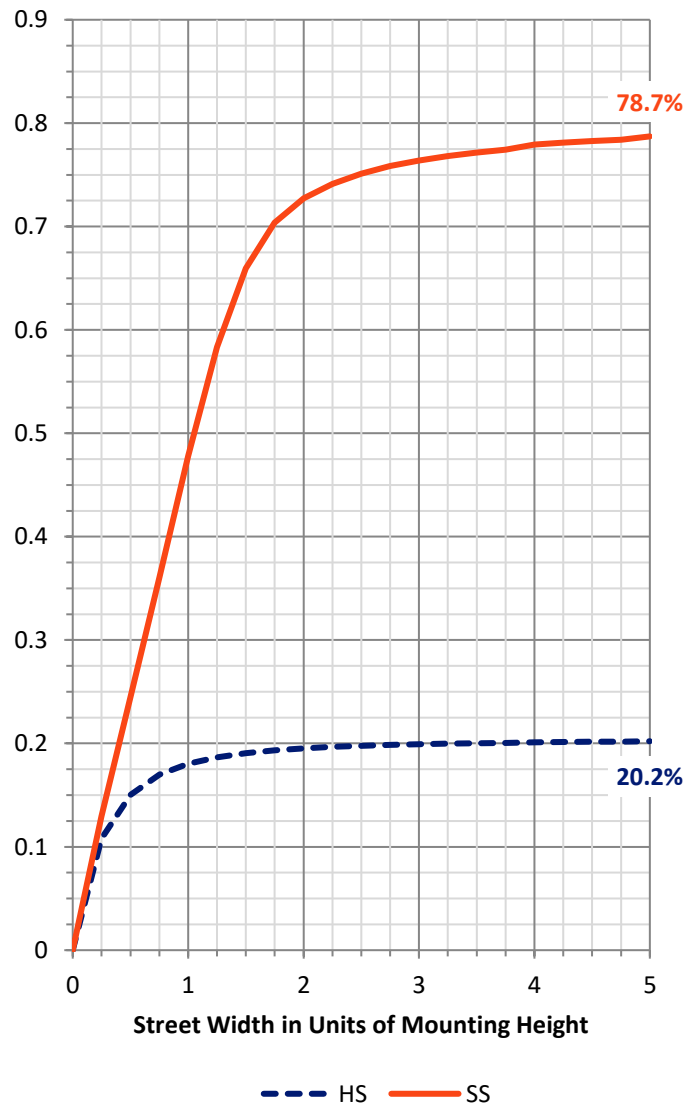
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	546.6	0.0	546.6
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2123.9	0.0	2123.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	2670.5	0.0	2670.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	2.0
10°-20°	128.4	4.8
20°-30°	176.4	6.6
30°-40°	236.5	8.9
40°-50°	343.1	12.8
50°-60°	521.5	19.5
60°-70°	644.1	24.1
70°-80°	479.0	17.9
80°-90°	89.3	3.3
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°	2670.5	100.0
0°-180°	2670.5	100.0

Coefficient of Utilization



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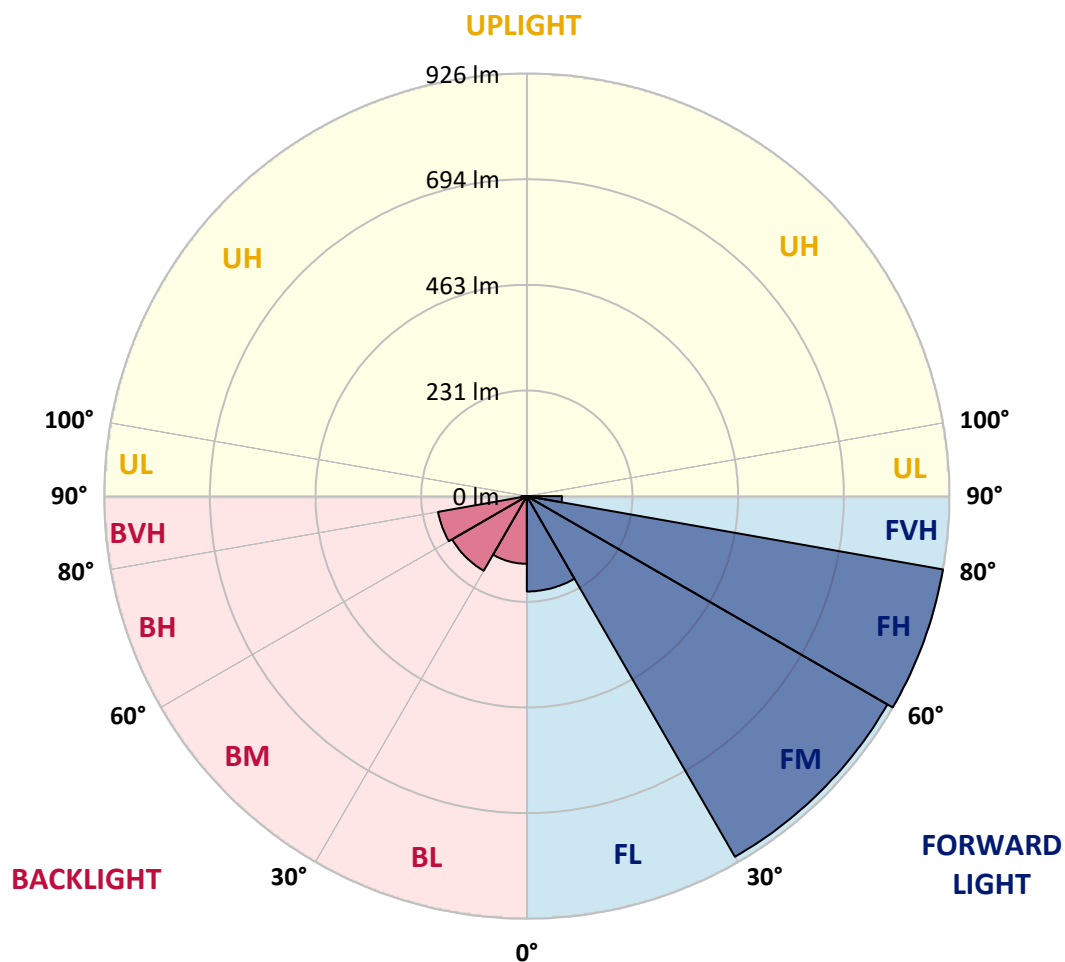
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.8	7.8			
FM	(30°-60°)	912.3	34.2			
FH	(60°-80°)	925.8	34.7			G1/1800
FVH	(80°-90°)	77.0	2.9			G1/100
BL	(0°-30°)	148.1	5.5	B1/500		
BM	(30°-60°)	188.8	7.1	B0/220		
BH	(60°-80°)	197.3	7.4	B1/500		G1/500
BVH	(80°-90°)	12.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
2.5°	561.2	564.2	565.2	567.2	572.1	576.1	582.1	585.0	582.1	586.0	586.0
5°	522.5	518.5	528.4	532.4	538.3	546.3	560.2	571.1	568.1	580.1	590.0
7.5°	489.7	489.7	492.7	501.6	508.6	520.5	535.4	552.3	557.2	573.1	588.0
10°	459.9	463.9	463.9	477.8	481.7	495.6	520.5	541.3	542.3	569.1	590.0
12.5°	444.0	442.0	451.9	455.9	467.8	481.7	501.6	527.4	528.4	557.2	586.0
15°	431.1	433.1	438.0	448.0	458.9	469.8	488.7	512.5	517.5	551.3	584.0
17.5°	432.1	433.1	433.1	440.0	449.0	461.9	479.7	507.6	510.5	543.3	581.1
20°	438.0	434.1	437.0	440.0	446.0	457.9	472.8	496.6	499.6	542.3	588.0
22.5°	450.9	448.0	447.0	446.0	445.0	451.9	470.8	490.7	493.7	537.4	591.0
25°	471.8	470.8	463.9	456.9	451.9	451.9	466.8	495.6	494.6	537.4	593.0
27.5°	496.6	496.6	495.6	482.7	467.8	459.9	469.8	493.7	492.7	537.4	597.9
30°	530.4	530.4	527.4	515.5	488.7	465.8	471.8	491.7	494.6	533.4	594.0
32.5°	567.2	566.2	569.1	558.2	530.4	493.7	483.7	495.6	498.6	537.4	595.0
35°	594.0	599.9	609.9	599.9	572.1	522.5	500.6	503.6	505.6	538.3	598.9
37.5°	624.8	631.7	645.6	653.6	623.8	566.2	527.4	516.5	516.5	551.3	599.9
40°	669.5	662.5	686.3	700.3	688.3	619.8	569.1	540.3	541.3	568.1	612.8
42.5°	702.2	709.2	734.0	758.9	744.0	685.4	614.8	579.1	579.1	593.0	632.7
45°	739.0	746.9	781.7	811.5	822.4	763.8	677.4	634.7	632.7	641.6	668.5
47.5°	779.7	790.6	830.4	865.1	893.9	845.3	757.9	702.2	701.2	708.2	728.1
50°	826.4	830.4	863.1	926.7	984.3	953.5	856.2	797.6	792.6	795.6	822.4
52.5°	840.3	837.3	875.1	943.6	1048.9	1085.6	990.3	905.9	903.9	896.9	931.7
55°	789.6	799.6	836.3	923.7	1101.5	1241.6	1137.3	1053.9	1036.0	1017.1	1058.8
57.5°	688.3	689.3	731.0	834.3	1060.8	1370.7	1386.6	1198.9	1199.9	1149.2	1196.9
60°	535.4	532.4	565.2	658.5	944.6	1410.4	1658.8	1430.3	1420.4	1281.3	1325.0
62.5°	386.4	380.4	387.4	442.0	706.2	1349.8	1925.9	1689.5	1647.8	1416.4	1450.2
65°	317.8	320.8	323.8	326.8	396.3	1113.4	2008.4	2112.7	2057.1	1574.3	1588.2
67.5°	263.2	265.2	278.1	296.0	294.0	657.5	1913.0	2504.0	2483.2	1770.0	1707.4
70°	223.5	222.5	237.4	270.2	275.1	341.7	1514.7	2584.5	2629.2	1980.6	1842.5
72.5°	178.8	180.8	193.7	237.4	270.2	288.0	872.1	2411.6	2410.7	2142.5	1770.0
75°	128.1	128.1	146.0	196.7	261.2	285.1	482.7	1957.7	1994.5	2013.3	1535.6
77.5°	84.4	88.4	102.3	147.0	245.3	279.1	305.9	1423.3	1469.0	1505.8	1175.0
80°	57.6	59.6	68.5	102.3	207.6	281.1	250.3	957.5	975.4	831.4	476.8
82.5°	34.8	35.8	45.7	71.5	149.0	267.2	235.4	528.4	517.5	251.3	137.1
85°	18.9	19.9	28.8	47.7	98.3	233.4	231.4	259.2	241.4	92.4	57.6
87.5°	7.0	7.0	12.9	23.8	56.6	159.9	201.6	154.0	144.0	46.7	26.8
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°	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
2.5°	591.0	591.0	591.0	591.0	590.0	586.0	589.0	588.0	582.1	583.0	579.1
5°	589.0	594.0	591.0	587.0	582.1	570.1	566.2	563.2	555.2	552.3	555.2
7.5°	594.0	590.0	588.0	581.1	561.2	550.3	536.4	519.5	507.6	504.6	507.6
10°	593.0	593.0	584.0	564.2	545.3	513.5	495.6	465.8	449.0	444.0	445.0
12.5°	589.0	592.0	578.1	546.3	510.5	471.8	439.0	407.2	377.4	365.5	363.5
15°	593.0	590.0	565.2	524.4	474.8	421.1	373.5	326.8	299.0	281.1	277.1
17.5°	587.0	584.0	548.3	494.6	428.1	359.6	300.0	249.3	221.5	214.5	214.5
20°	594.0	575.1	528.4	458.9	379.4	292.0	224.5	186.7	179.8	179.8	181.8
22.5°	593.0	573.1	511.5	424.1	320.8	220.5	166.9	155.9	156.9	164.9	163.9
25°	587.0	569.1	487.7	385.4	259.2	165.9	138.1	135.1	142.0	151.0	150.0
27.5°	586.0	558.2	465.8	339.7	197.7	131.1	120.2	120.2	127.1	135.1	134.1
30°	580.1	549.3	439.0	288.0	149.0	114.2	110.3	110.3	113.2	117.2	117.2
32.5°	579.1	537.4	409.2	234.4	119.2	103.3	101.3	102.3	102.3	104.3	103.3
35°	571.1	521.5	378.4	181.8	103.3	97.3	95.4	94.4	94.4	93.4	93.4
37.5°	568.1	511.5	346.6	141.0	96.3	92.4	90.4	87.4	86.4	86.4	85.4
40°	571.1	501.6	315.9	114.2	90.4	88.4	85.4	81.4	80.5	80.5	80.5
42.5°	582.1	500.6	284.1	99.3	87.4	84.4	80.5	76.5	75.5	76.5	75.5
45°	606.9	508.6	253.3	92.4	83.4	80.5	75.5	72.5	71.5	72.5	72.5
47.5°	647.6	530.4	225.5	88.4	80.5	76.5	71.5	68.5	68.5	68.5	68.5
50°	715.2	572.1	198.7	85.4	78.5	73.5	68.5	64.6	63.6	63.6	64.6
52.5°	816.5	643.6	176.8	83.4	75.5	69.5	64.6	61.6	59.6	58.6	59.6
55°	938.6	747.9	169.8	81.4	71.5	66.5	61.6	57.6	55.6	55.6	54.6
57.5°	1069.7	863.1	181.8	79.5	68.5	62.6	57.6	53.6	51.6	50.7	50.7
60°	1211.8	999.2	225.5	78.5	65.6	58.6	53.6	50.7	47.7	46.7	46.7
62.5°	1340.9	1122.4	303.9	77.5	63.6	54.6	49.7	45.7	43.7	42.7	42.7
65°	1487.9	1259.5	380.4	81.4	62.6	51.6	45.7	41.7	39.7	38.7	38.7
67.5°	1616.0	1378.7	425.1	91.4	65.6	47.7	40.7	37.7	36.8	35.8	35.8
70°	1709.4	1415.4	285.1	100.3	70.5	44.7	36.8	34.8	32.8	32.8	32.8
72.5°	1584.3	1263.4	168.9	94.4	66.5	41.7	32.8	30.8	29.8	29.8	28.8
75°	1354.8	1075.7	130.1	76.5	53.6	35.8	28.8	26.8	25.8	25.8	24.8
77.5°	1000.2	770.8	96.3	60.6	41.7	28.8	24.8	23.8	22.8	21.9	21.9
80°	391.3	337.7	65.6	44.7	30.8	22.8	20.9	19.9	18.9	17.9	17.9
82.5°	121.2	102.3	37.7	29.8	21.9	17.9	16.9	15.9	14.9	13.9	13.9
85°	52.6	50.7	24.8	18.9	14.9	11.9	11.9	10.9	9.9	8.9	8.9
87.5°	25.8	24.8	13.9	8.9	7.9	6.0	6.0	5.0	4.0	4.0	4.0
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)