

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: P670725

Luminaire Tested: **CCP-SA-1A-835-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670725
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2248.7 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - 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

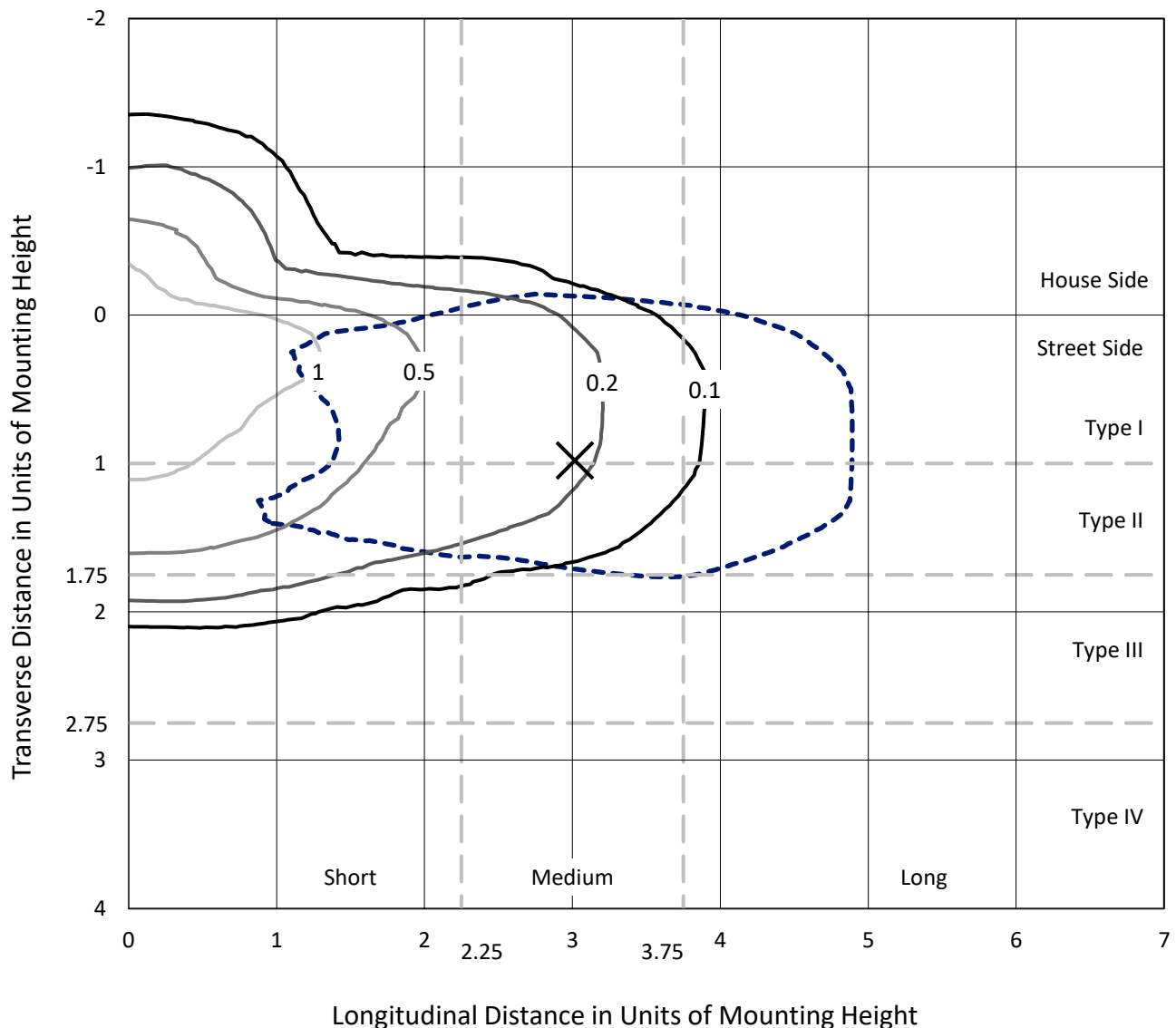
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

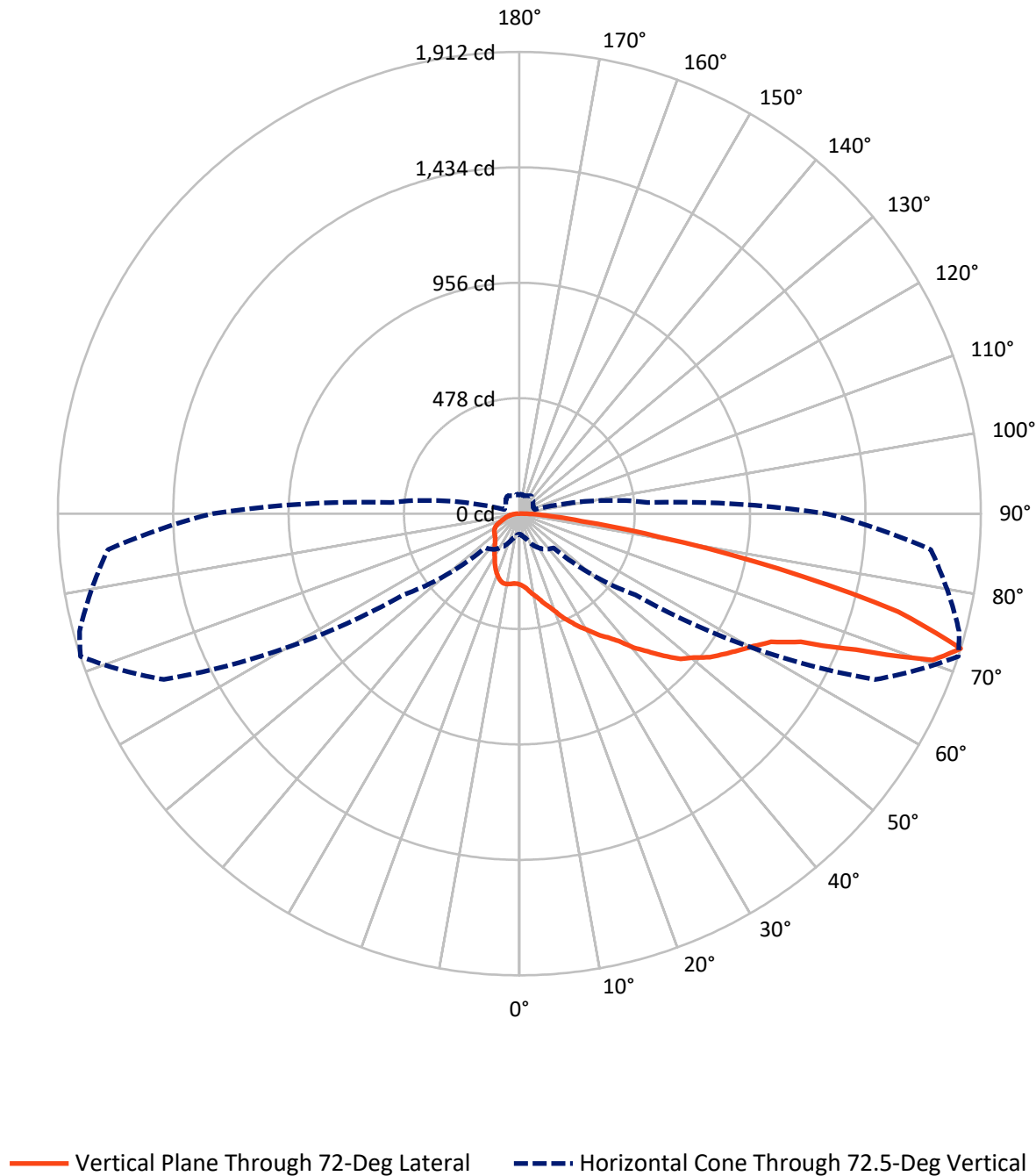


Based on 15 foot mounting height. Maximum calculated value = 1.6 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



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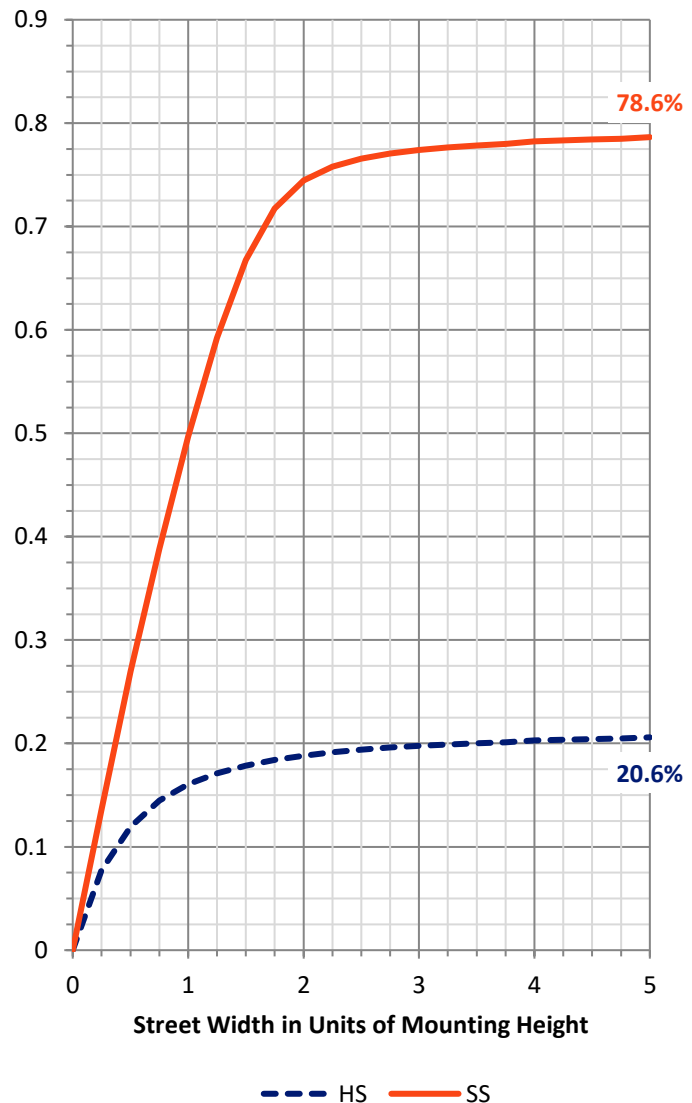
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.2	0.0	473.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	1775.4	0.0	1775.4
	% Fixture	79.0	0.0	79.0
Total	Lumens	2248.7	0.0	2248.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	1.3
10°-20°	90.2	4.0
20°-30°	156.1	6.9
30°-40°	230.6	10.3
40°-50°	343.0	15.3
50°-60°	470.2	20.9
60°-70°	510.1	22.7
70°-80°	359.6	16.0
80°-90°	59.7	2.7
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°	2248.7	100.0
0°-180°	2248.7	100.0

Coefficient of Utilization



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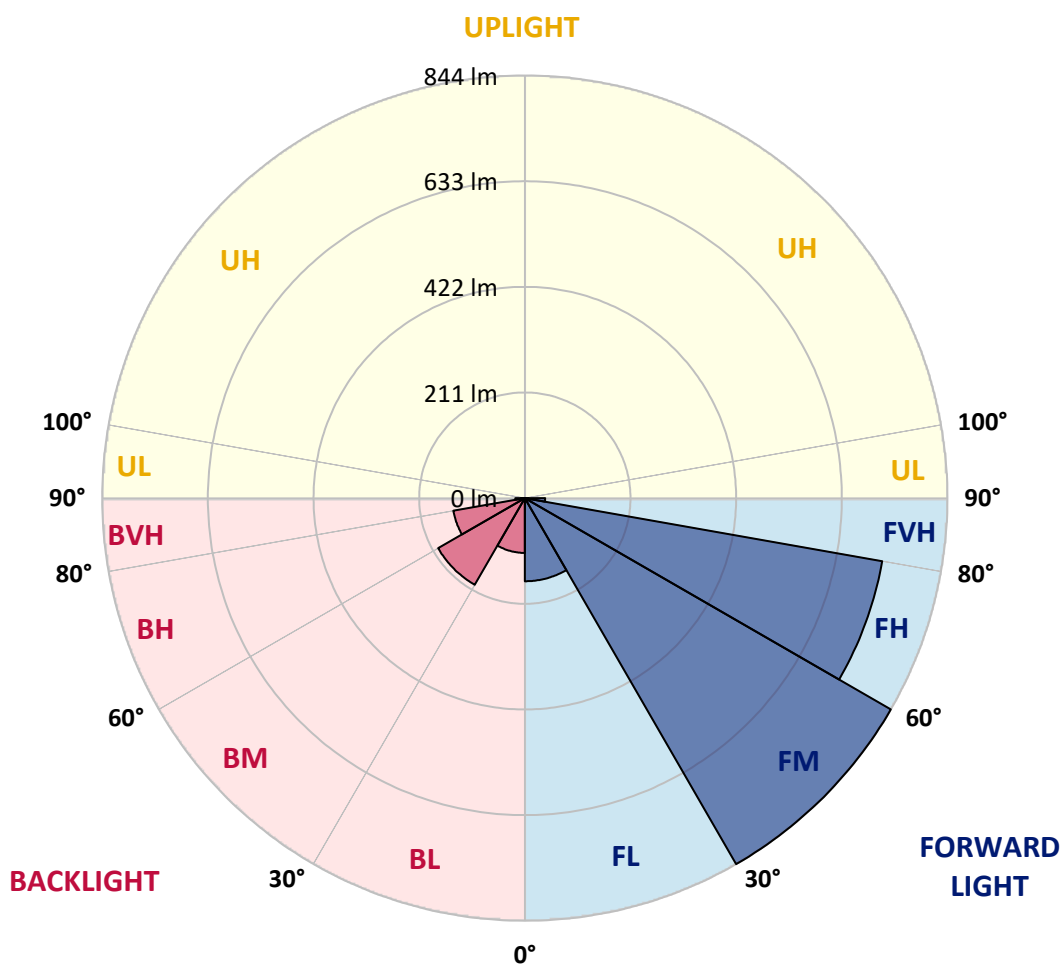
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.0	7.4			
FM	(30°-60°)	844.0	37.5			
FH	(60°-80°)	724.7	32.2			G1/1800
FVH	(80°-90°)	40.7	1.8			G1/100
BL	(0°-30°)	109.4	4.9	B0/110		
BM	(30°-60°)	199.9	8.9	B0/220		
BH	(60°-80°)	145.0	6.4	B1/500		G1/500
BVH	(80°-90°)	19.0	0.8			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7
2.5°	317.0	317.0	314.5	313.7	313.7	307.0	307.8	303.7	300.4	300.4	297.1
5°	333.6	331.9	331.9	331.9	327.8	325.3	324.4	317.0	311.2	312.0	302.0
7.5°	337.7	338.5	339.4	343.5	341.0	342.7	341.0	332.7	328.6	324.4	315.3
10°	340.2	341.9	341.9	347.7	347.7	351.8	354.3	351.0	343.5	339.4	324.4
12.5°	346.0	343.5	346.8	351.0	355.1	362.6	370.1	366.8	361.8	356.8	340.2
15°	346.0	346.8	349.3	356.0	362.6	370.1	383.4	388.3	385.8	376.7	359.3
17.5°	336.1	333.6	345.2	357.6	370.1	379.2	396.6	408.3	406.6	403.3	376.7
20°	336.9	339.4	343.5	354.3	374.2	390.8	412.4	431.5	435.6	434.0	400.0
22.5°	351.8	352.7	356.8	361.8	377.5	399.1	431.5	462.2	469.7	465.5	425.7
25°	366.8	373.4	373.4	376.7	382.5	404.9	443.9	487.1	497.9	498.7	452.2
27.5°	390.8	392.5	397.5	399.1	404.1	417.4	458.0	505.3	530.2	526.9	476.3
30°	419.0	419.9	423.2	421.5	422.4	439.0	471.3	526.1	560.1	560.9	502.0
32.5°	452.2	458.9	460.5	449.7	451.4	455.5	492.1	551.0	597.4	591.6	524.4
35°	501.2	503.7	498.7	493.7	481.3	478.8	513.6	575.9	629.8	636.4	557.6
37.5°	561.8	568.4	561.8	535.2	521.9	512.0	540.2	603.2	668.8	691.2	590.8
40°	618.2	617.4	610.7	586.7	563.4	556.0	578.4	641.4	729.4	750.9	638.9
42.5°	663.8	661.3	657.2	638.9	617.4	604.9	622.3	681.2	780.0	821.5	694.5
45°	703.7	700.3	701.2	680.4	659.7	666.3	666.3	726.9	839.7	891.2	758.4
47.5°	741.0	742.7	740.2	724.4	708.6	726.1	716.9	779.2	898.6	955.9	812.4
50°	784.1	787.5	779.2	769.2	755.1	772.5	760.9	828.1	936.8	1014.8	877.1
52.5°	824.8	828.1	835.6	823.1	809.0	823.1	796.6	873.8	987.4	1072.1	926.9
55°	834.8	833.1	874.6	887.9	895.3	853.0	828.1	912.8	1027.3	1108.6	983.3
57.5°	789.1	793.3	849.7	887.9	967.5	931.0	863.8	958.4	1068.8	1156.7	1035.6
60°	675.4	677.9	748.5	838.9	955.1	1004.0	960.1	1017.3	1114.4	1197.4	1094.5
62.5°	451.4	470.5	558.4	700.3	867.1	1023.9	1113.6	1116.9	1170.0	1248.8	1175.0
65°	238.1	247.3	316.1	430.7	657.2	955.1	1257.9	1314.4	1281.2	1343.4	1291.1
67.5°	156.0	159.3	196.7	261.4	379.2	697.0	1274.5	1657.1	1504.4	1523.5	1477.0
70°	116.2	117.8	145.2	193.3	234.8	372.6	1044.7	1817.2	1816.4	1765.8	1697.7
72.5°	85.5	88.0	107.0	147.7	180.9	200.8	587.5	1625.5	1911.8	1886.1	1711.0
75°	67.2	68.9	78.8	114.5	146.0	131.9	297.9	1204.0	1621.4	1745.0	1565.8
77.5°	54.8	56.4	62.2	83.0	117.0	102.1	142.7	776.7	1099.5	1256.3	1198.2
80°	45.6	45.6	49.8	58.9	90.4	77.2	84.6	436.5	592.5	653.9	543.5
82.5°	39.0	38.2	41.5	43.1	67.2	55.6	54.8	197.5	260.6	276.3	204.1
85°	24.9	25.7	39.0	37.3	44.0	38.2	30.7	93.8	122.8	125.3	76.3
87.5°	10.0	10.0	16.6	20.7	24.9	23.2	14.9	42.3	53.9	53.9	21.6
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°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7
2.5°	296.2	292.9	290.4	288.8	284.6	280.5	281.3	280.5	277.1	275.5	275.5
5°	299.5	296.2	292.1	285.4	281.3	276.3	278.0	274.7	271.3	273.8	269.7
7.5°	307.8	302.0	296.2	286.3	279.6	272.2	268.8	267.2	264.7	263.0	263.0
10°	319.5	311.2	300.4	285.4	274.7	263.0	261.4	258.1	255.6	255.6	254.7
12.5°	331.1	322.0	303.7	279.6	261.4	253.1	252.3	253.1	254.7	255.6	256.4
15°	346.0	331.1	302.9	268.8	250.6	247.3	251.4	254.7	258.1	261.4	260.6
17.5°	360.1	342.7	295.4	255.6	241.5	242.3	249.8	256.4	263.0	266.4	267.2
20°	379.2	353.5	284.6	239.8	232.3	239.8	249.8	258.1	265.5	269.7	270.5
22.5°	400.8	365.9	270.5	225.7	224.9	232.3	242.3	254.7	263.0	270.5	269.7
25°	419.9	374.2	252.3	214.1	215.7	220.7	232.3	245.6	253.9	262.2	259.7
27.5°	432.3	375.9	233.2	205.8	205.8	210.8	221.6	229.8	237.3	244.0	244.8
30°	446.4	372.6	211.6	195.0	195.0	201.6	205.8	210.8	214.9	216.6	218.2
32.5°	463.0	365.1	198.3	186.7	186.7	191.7	194.2	192.5	191.7	187.5	190.0
35°	478.8	354.3	183.4	175.9	179.2	181.7	180.9	175.9	170.9	163.5	161.0
37.5°	497.9	343.5	170.1	164.3	170.1	170.9	170.9	165.1	158.5	149.4	149.4
40°	526.9	335.2	159.3	156.8	162.6	161.8	157.7	153.5	156.0	151.0	151.0
42.5°	557.6	331.9	149.4	150.2	152.7	153.5	149.4	144.4	154.3	148.5	149.4
45°	595.8	334.4	142.7	141.9	147.7	146.9	144.4	140.2	143.6	128.6	124.5
47.5°	631.5	339.4	139.4	136.1	142.7	144.4	141.1	131.9	127.0	117.8	116.2
50°	663.8	350.2	136.1	129.4	136.1	139.4	133.6	123.6	117.8	112.0	112.0
52.5°	694.5	365.9	134.4	122.0	127.8	131.9	128.6	118.7	112.0	109.5	107.0
55°	726.1	380.0	131.9	117.0	118.7	127.0	126.1	112.8	106.2	106.2	105.4
57.5°	770.9	399.1	128.6	108.7	112.0	121.1	121.1	110.4	102.9	103.7	104.6
60°	816.5	421.5	125.3	100.4	102.9	115.3	117.0	107.0	100.4	101.2	100.4
62.5°	889.5	463.0	118.7	90.4	95.4	107.9	112.0	102.9	97.1	98.7	98.7
65°	999.9	534.4	104.6	82.1	88.0	101.2	107.0	98.7	92.1	97.1	95.4
67.5°	1177.5	632.3	88.0	75.5	83.0	94.6	101.2	93.8	88.0	95.4	92.9
70°	1336.8	680.4	75.5	69.7	75.5	87.1	94.6	88.8	83.0	90.4	87.1
72.5°	1272.0	533.5	65.6	63.1	68.9	78.8	88.0	82.1	76.3	80.5	77.2
75°	1097.8	424.8	57.3	56.4	61.4	71.4	80.5	76.3	70.5	72.2	70.5
77.5°	832.3	351.0	49.0	48.1	52.3	63.9	72.2	68.9	63.1	62.2	62.2
80°	371.7	172.6	40.7	40.7	43.1	54.8	61.4	59.7	53.9	53.1	52.3
82.5°	122.0	65.6	33.2	31.5	34.9	45.6	54.8	53.1	47.3	45.6	44.0
85°	49.0	31.5	24.1	24.1	27.4	38.2	49.0	45.6	38.2	34.0	34.0
87.5°	16.6	13.3	12.4	12.4	17.4	25.7	36.5	30.7	27.4	24.1	24.9
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)