

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: P674834

Luminaire Tested: **CCW-SA-1A-740-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674834
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-740-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2729 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

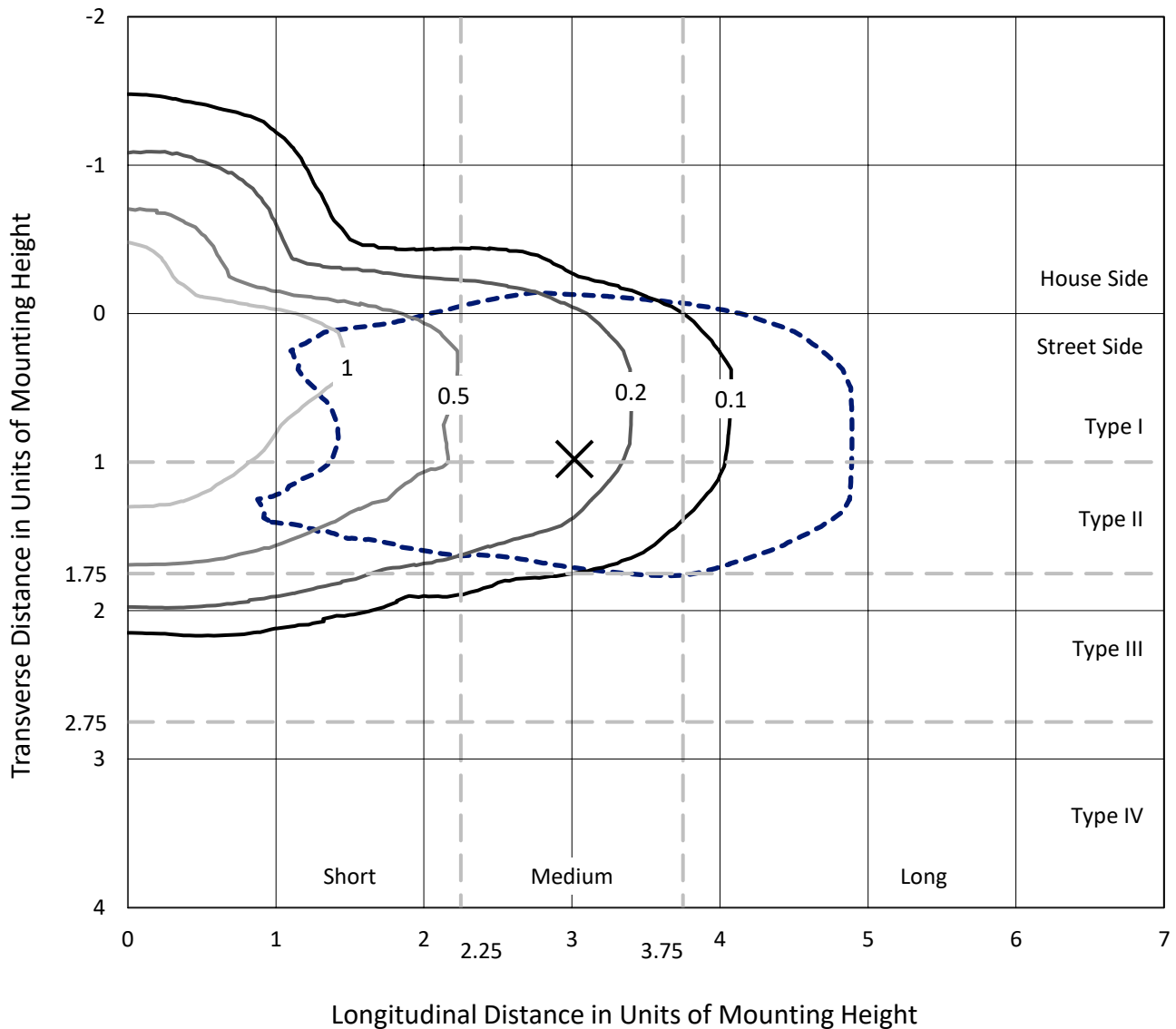
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

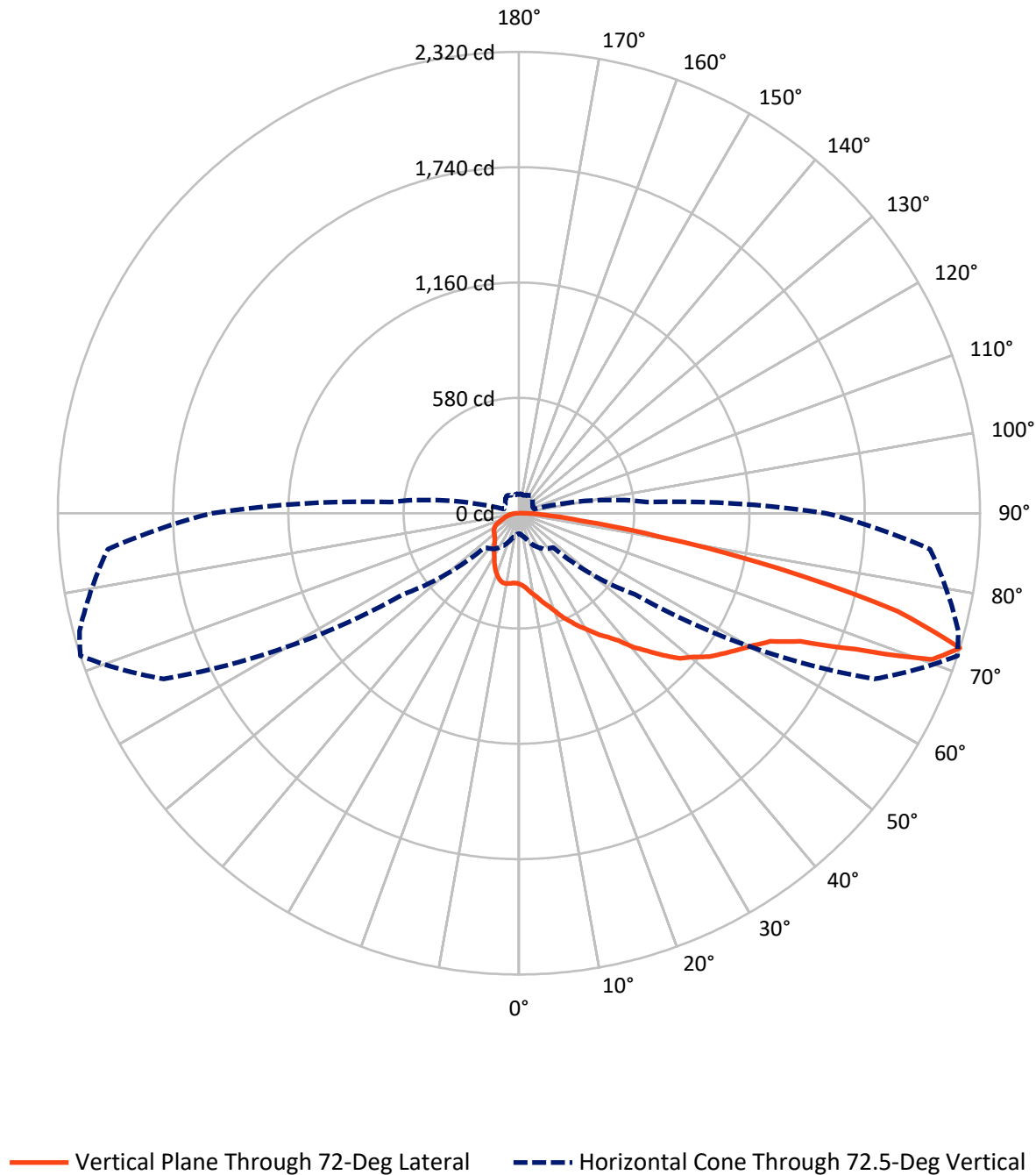


Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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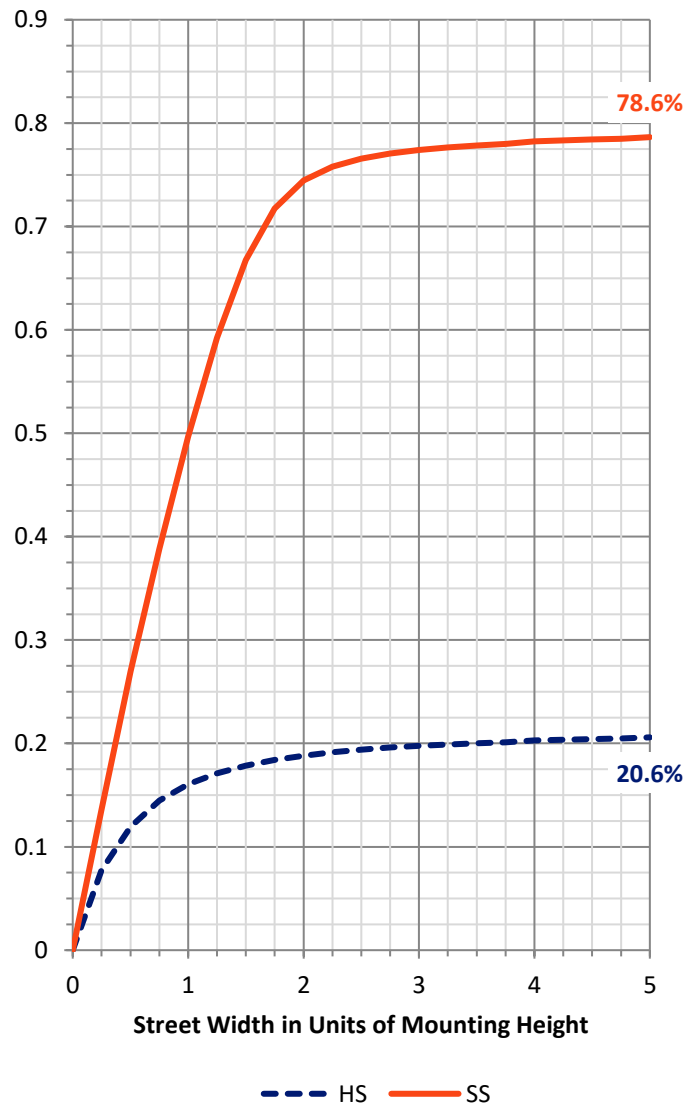
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.3	0.0	574.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2154.7	0.0	2154.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	2729.0	0.0	2729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	1.3
10°-20°	109.5	4.0
20°-30°	189.5	6.9
30°-40°	279.9	10.3
40°-50°	416.3	15.3
50°-60°	570.7	20.9
60°-70°	619.0	22.7
70°-80°	436.4	16.0
80°-90°	72.5	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°	2729.0	100.0
0°-180°	2729.0	100.0

Coefficient of Utilization



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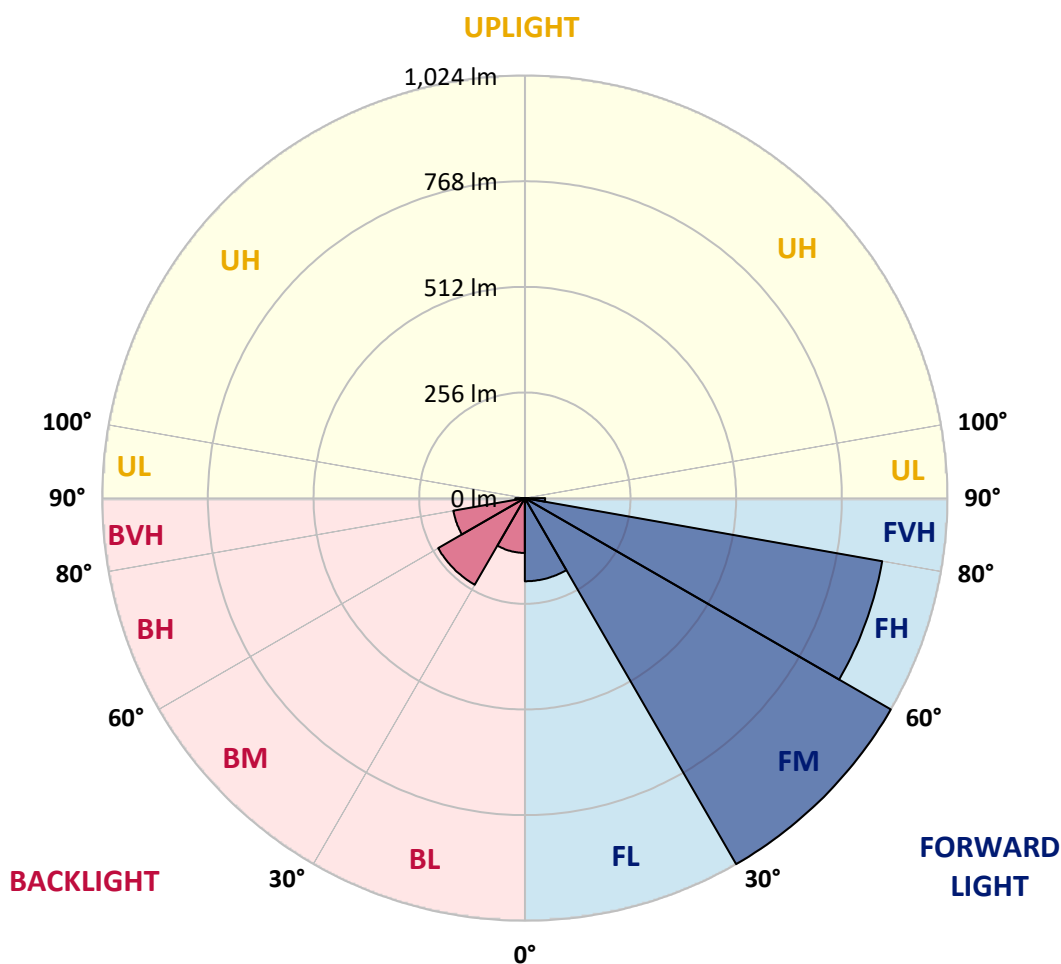
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.5	7.4			
FM	(30°-60°)	1024.2	37.5			
FH	(60°-80°)	879.5	32.2			G1/1800
FVH	(80°-90°)	49.4	1.8			G1/100
BL	(0°-30°)	132.7	4.9	B1/500		
BM	(30°-60°)	242.6	8.9	B1/1000		
BH	(60°-80°)	175.9	6.4	B1/500		G1/500
BVH	(80°-90°)	23.1	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°	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5
2.5°	384.7	384.7	381.7	380.7	380.7	372.6	373.6	368.6	364.5	364.5	360.5
5°	404.8	402.8	402.8	402.8	397.8	394.7	393.7	384.7	377.6	378.6	366.6
7.5°	409.9	410.9	411.9	416.9	413.9	415.9	413.9	403.8	398.8	393.7	382.7
10°	412.9	414.9	414.9	421.9	421.9	427.0	430.0	426.0	416.9	411.9	393.7
12.5°	419.9	416.9	420.9	426.0	431.0	440.1	449.1	445.1	439.1	433.0	412.9
15°	419.9	420.9	424.0	432.0	440.1	449.1	465.2	471.3	468.3	457.2	436.0
17.5°	407.8	404.8	418.9	434.0	449.1	460.2	481.4	495.4	493.4	489.4	457.2
20°	408.8	411.9	416.9	430.0	454.2	474.3	500.5	523.6	528.7	526.7	485.4
22.5°	427.0	428.0	433.0	439.1	458.2	484.4	523.6	560.9	570.0	564.9	516.6
25°	445.1	453.2	453.2	457.2	464.2	491.4	538.8	591.1	604.2	605.2	548.8
27.5°	474.3	476.3	482.4	484.4	490.4	506.5	555.9	613.3	643.5	639.5	578.0
30°	508.5	509.5	513.6	511.6	512.6	532.7	572.0	638.4	679.7	680.7	609.2
32.5°	548.8	556.9	558.9	545.8	547.8	552.8	597.2	668.7	725.0	718.0	636.4
35°	608.2	611.3	605.2	599.2	584.1	581.0	623.3	698.9	764.3	772.4	676.7
37.5°	681.7	689.8	681.7	649.5	633.4	621.3	655.6	732.1	811.7	838.8	717.0
40°	750.2	749.2	741.2	712.0	683.8	674.7	701.9	778.4	885.2	911.3	775.4
42.5°	805.6	802.6	797.6	775.4	749.2	734.1	755.3	826.8	946.6	996.9	842.9
45°	853.9	849.9	850.9	825.7	800.6	808.6	808.6	882.1	1019.1	1081.5	920.4
47.5°	899.3	901.3	898.3	879.1	860.0	881.1	870.1	945.6	1090.6	1160.1	985.9
50°	951.6	955.7	945.6	933.5	916.4	937.5	923.4	1005.0	1136.9	1231.6	1064.4
52.5°	1001.0	1005.0	1014.1	999.0	981.8	999.0	966.7	1060.4	1198.3	1301.1	1124.8
55°	1013.1	1011.0	1061.4	1077.5	1086.6	1035.2	1005.0	1107.7	1246.7	1345.4	1193.3
57.5°	957.7	962.7	1031.2	1077.5	1174.2	1129.9	1048.3	1163.1	1297.0	1403.8	1256.7
60°	819.7	822.7	908.3	1018.1	1159.1	1218.5	1165.1	1234.6	1352.4	1453.1	1328.2
62.5°	547.8	571.0	677.7	849.9	1052.3	1242.7	1351.4	1355.4	1419.9	1515.6	1425.9
65°	289.0	300.1	383.7	522.6	797.6	1159.1	1526.6	1595.1	1554.8	1630.4	1566.9
67.5°	189.3	193.3	238.7	317.2	460.2	845.9	1546.8	2011.0	1825.7	1848.9	1792.5
70°	141.0	143.0	176.2	234.6	285.0	452.1	1267.8	2205.4	2204.3	2142.9	2060.3
72.5°	103.7	106.7	129.9	179.2	219.5	243.7	713.0	1972.7	2320.2	2288.9	2076.5
75°	81.6	83.6	95.7	139.0	177.2	160.1	361.5	1461.2	1967.7	2117.7	1900.2
77.5°	66.5	68.5	75.5	100.7	142.0	123.9	173.2	942.6	1334.3	1524.6	1454.1
80°	55.4	55.4	60.4	71.5	109.8	93.7	102.7	529.7	719.0	793.5	659.6
82.5°	47.3	46.3	50.4	52.4	81.6	67.5	66.5	239.7	316.2	335.3	247.7
85°	30.2	31.2	47.3	45.3	53.4	46.3	37.3	113.8	149.0	152.1	92.6
87.5°	12.1	12.1	20.1	25.2	30.2	28.2	18.1	51.4	65.5	65.5	26.2
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°	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5	356.5
2.5°	359.5	355.5	352.5	350.4	345.4	340.4	341.4	340.4	336.3	334.3	334.3
5°	363.5	359.5	354.5	346.4	341.4	335.3	337.3	333.3	329.3	332.3	327.3
7.5°	373.6	366.6	359.5	347.4	339.4	330.3	326.3	324.3	321.2	319.2	319.2
10°	387.7	377.6	364.5	346.4	333.3	319.2	317.2	313.2	310.2	310.2	309.2
12.5°	401.8	390.7	368.6	339.4	317.2	307.1	306.1	307.1	309.2	310.2	311.2
15°	419.9	401.8	367.6	326.3	304.1	300.1	305.1	309.2	313.2	317.2	316.2
17.5°	437.0	415.9	358.5	310.2	293.0	294.0	303.1	311.2	319.2	323.3	324.3
20°	460.2	429.0	345.4	291.0	282.0	291.0	303.1	313.2	322.2	327.3	328.3
22.5°	486.4	444.1	328.3	273.9	272.9	282.0	294.0	309.2	319.2	328.3	327.3
25°	509.5	454.2	306.1	259.8	261.8	267.9	282.0	298.1	308.1	318.2	315.2
27.5°	524.7	456.2	283.0	249.7	249.7	255.8	268.9	278.9	288.0	296.1	297.1
30°	541.8	452.1	256.8	236.6	236.6	244.7	249.7	255.8	260.8	262.8	264.8
32.5°	561.9	443.1	240.7	226.6	226.6	232.6	235.6	233.6	232.6	227.6	230.6
35°	581.0	430.0	222.5	213.5	217.5	220.5	219.5	213.5	207.4	198.4	195.4
37.5°	604.2	416.9	206.4	199.4	206.4	207.4	207.4	200.4	192.3	181.3	181.3
40°	639.5	406.8	193.3	190.3	197.4	196.4	191.3	186.3	189.3	183.3	183.3
42.5°	676.7	402.8	181.3	182.3	185.3	186.3	181.3	175.2	187.3	180.3	181.3
45°	723.0	405.8	173.2	172.2	179.2	178.2	175.2	170.2	174.2	156.1	151.1
47.5°	766.3	411.9	169.2	165.1	173.2	175.2	171.2	160.1	154.1	143.0	141.0
50°	805.6	425.0	165.1	157.1	165.1	169.2	162.1	150.0	143.0	135.9	135.9
52.5°	842.9	444.1	163.1	148.0	155.1	160.1	156.1	144.0	135.9	132.9	129.9
55°	881.1	461.2	160.1	142.0	144.0	154.1	153.1	137.0	128.9	128.9	127.9
57.5°	935.5	484.4	156.1	131.9	135.9	147.0	147.0	133.9	124.9	125.9	126.9
60°	990.9	511.6	152.1	121.8	124.9	140.0	142.0	129.9	121.8	122.9	121.8
62.5°	1079.5	561.9	144.0	109.8	115.8	130.9	135.9	124.9	117.8	119.8	119.8
65°	1213.4	648.5	126.9	99.7	106.7	122.9	129.9	119.8	111.8	117.8	115.8
67.5°	1428.9	767.3	106.7	91.6	100.7	114.8	122.9	113.8	106.7	115.8	112.8
70°	1622.3	825.7	91.6	84.6	91.6	105.7	114.8	107.8	100.7	109.8	105.7
72.5°	1543.7	647.5	79.6	76.5	83.6	95.7	106.7	99.7	92.6	97.7	93.7
75°	1332.3	515.6	69.5	68.5	74.5	86.6	97.7	92.6	85.6	87.6	85.6
77.5°	1010.0	426.0	59.4	58.4	63.4	77.5	87.6	83.6	76.5	75.5	75.5
80°	451.1	209.5	49.3	49.3	52.4	66.5	74.5	72.5	65.5	64.4	63.4
82.5°	148.0	79.6	40.3	38.3	42.3	55.4	66.5	64.4	57.4	55.4	53.4
85°	59.4	38.3	29.2	29.2	33.2	46.3	59.4	55.4	46.3	41.3	41.3
87.5°	20.1	16.1	15.1	15.1	21.1	31.2	44.3	37.3	33.2	29.2	30.2
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)