

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: P674845

Luminaire Tested: **CCW-SA-1A-750-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674845
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-750-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2791.5 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

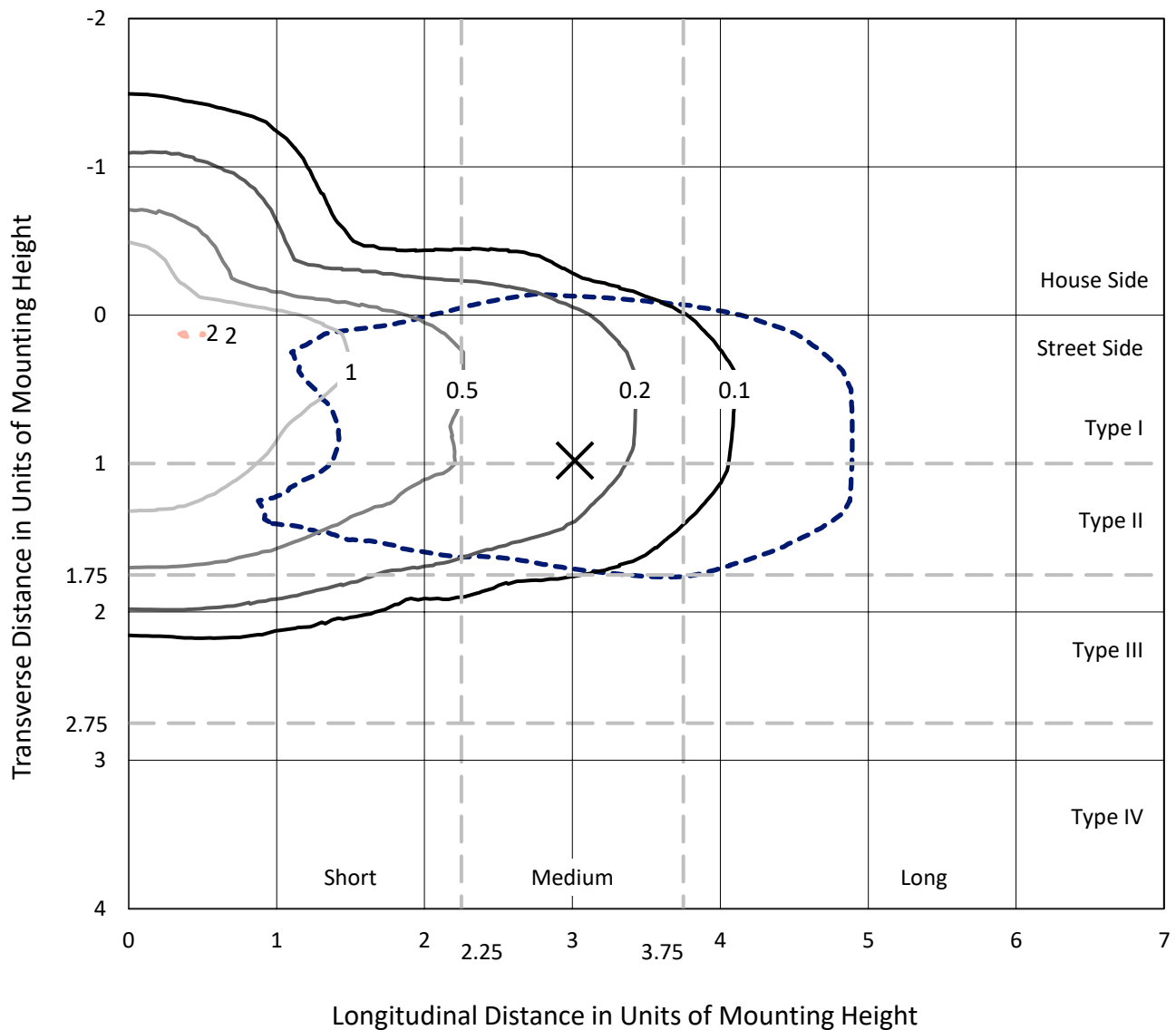
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

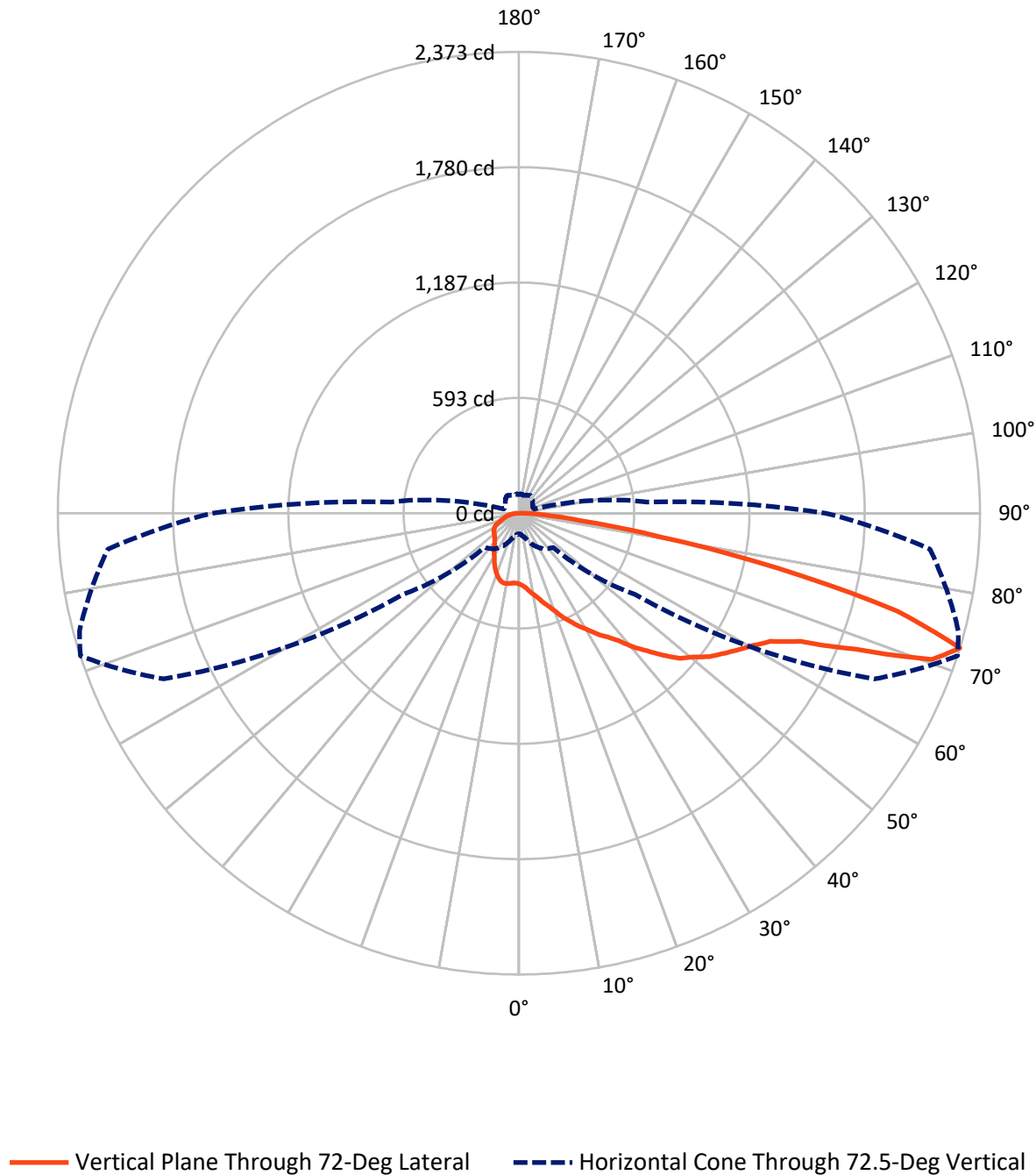
× Max cd
 - - - 1/2 Max cd



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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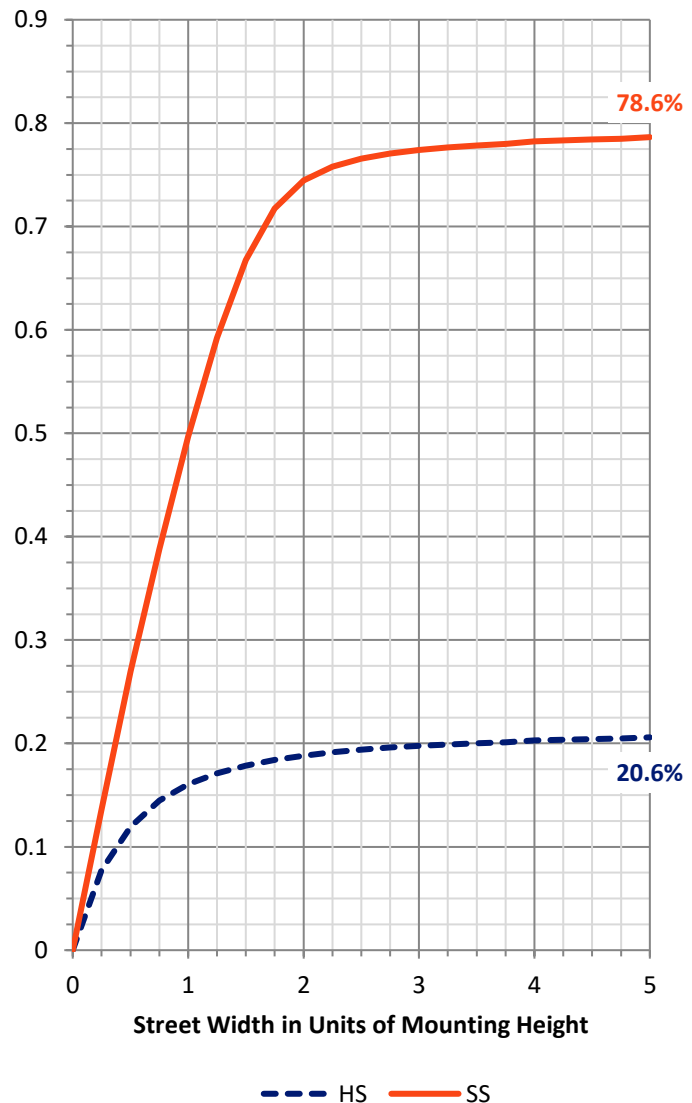
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.5	0.0	587.5
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2204.0	0.0	2204.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	2791.5	0.0	2791.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.3
10°-20°	112.0	4.0
20°-30°	193.8	6.9
30°-40°	286.3	10.3
40°-50°	425.8	15.3
50°-60°	583.7	20.9
60°-70°	633.2	22.7
70°-80°	446.4	16.0
80°-90°	74.2	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°	2791.5	100.0
0°-180°	2791.5	100.0

Coefficient of Utilization



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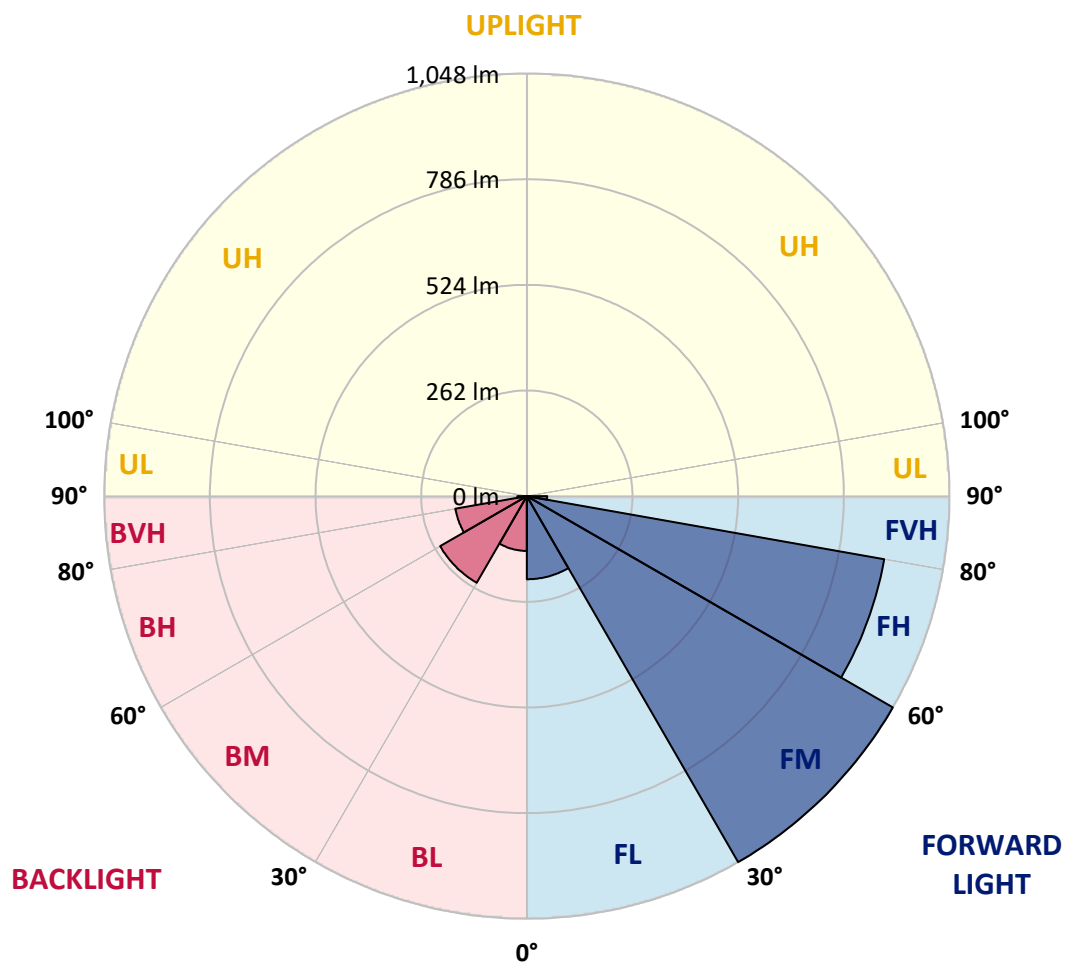
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.1	7.4			
FM	(30°-60°)	1047.7	37.5			
FH	(60°-80°)	899.6	32.2			G1/1800
FVH	(80°-90°)	50.6	1.8			G1/100
BL	(0°-30°)	135.8	4.9	B1/500		
BM	(30°-60°)	248.1	8.9	B1/1000		
BH	(60°-80°)	180.0	6.4	B1/500		G1/500
BVH	(80°-90°)	23.6	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°	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6
2.5°	393.5	393.5	390.4	389.4	389.4	381.1	382.2	377.0	372.9	372.9	368.8
5°	414.1	412.0	412.0	412.0	406.9	403.8	402.8	393.5	386.3	387.3	374.9
7.5°	419.2	420.3	421.3	426.4	423.4	425.4	423.4	413.1	407.9	402.8	391.4
10°	422.3	424.4	424.4	431.6	431.6	436.8	439.8	435.7	426.4	421.3	402.8
12.5°	429.5	426.4	430.6	435.7	440.9	450.1	459.4	455.3	449.1	442.9	422.3
15°	429.5	430.6	433.7	441.9	450.1	459.4	475.9	482.1	479.0	467.7	446.0
17.5°	417.2	414.1	428.5	444.0	459.4	470.7	492.4	506.8	504.7	500.6	467.7
20°	418.2	421.3	426.4	439.8	464.6	485.2	511.9	535.6	540.8	538.7	496.5
22.5°	436.8	437.8	442.9	449.1	468.7	495.5	535.6	573.7	583.0	577.9	528.4
25°	455.3	463.5	463.5	467.7	474.9	502.7	551.1	604.7	618.0	619.1	561.4
27.5°	485.2	487.2	493.4	495.5	501.6	518.1	568.6	627.3	658.2	654.1	591.3
30°	520.2	521.2	525.3	523.3	524.3	544.9	585.1	653.1	695.3	696.3	623.2
32.5°	561.4	569.6	571.7	558.3	560.4	565.5	610.8	684.0	741.7	734.4	651.0
35°	622.2	625.3	619.1	612.9	597.4	594.4	637.6	714.9	781.8	790.1	692.2
37.5°	697.4	705.6	697.4	664.4	647.9	635.6	670.6	748.9	830.2	858.0	733.4
40°	767.4	766.4	758.1	728.3	699.4	690.1	718.0	796.2	905.4	932.2	793.2
42.5°	824.1	821.0	815.8	793.2	766.4	750.9	772.6	845.7	968.3	1019.8	862.2
45°	873.5	869.4	870.4	844.7	818.9	827.1	827.1	902.3	1042.4	1106.3	941.5
47.5°	919.9	921.9	918.8	899.3	879.7	901.3	890.0	967.2	1115.6	1186.6	1008.4
50°	973.4	977.5	967.2	954.9	937.4	959.0	944.6	1028.0	1163.0	1259.8	1088.8
52.5°	1023.9	1028.0	1037.3	1021.8	1004.3	1021.8	988.9	1084.7	1225.8	1330.9	1150.6
55°	1036.3	1034.2	1085.7	1102.2	1111.4	1058.9	1028.0	1133.1	1275.2	1376.2	1220.6
57.5°	979.6	984.7	1054.8	1102.2	1201.1	1155.7	1072.3	1189.7	1326.7	1435.9	1285.5
60°	838.5	841.6	929.1	1041.4	1185.6	1246.4	1191.8	1262.9	1383.4	1486.4	1358.7
62.5°	560.4	584.1	693.2	869.4	1076.4	1271.1	1382.4	1386.5	1452.4	1550.3	1458.6
65°	295.6	307.0	392.5	534.6	815.8	1185.6	1561.6	1631.6	1590.4	1667.7	1602.8
67.5°	193.7	197.8	244.1	324.5	470.7	865.3	1582.2	2057.1	1867.5	1891.2	1833.5
70°	144.2	146.3	180.3	240.0	291.5	462.5	1296.9	2255.9	2254.8	2192.0	2107.5
72.5°	106.1	109.2	132.9	183.4	224.6	249.3	729.3	2017.9	2373.3	2341.4	2124.0
75°	83.4	85.5	97.9	142.1	181.3	163.8	369.8	1494.6	2012.8	2166.2	1943.7
77.5°	68.0	70.0	77.3	103.0	145.2	126.7	177.2	964.1	1364.8	1559.5	1487.4
80°	56.7	56.7	61.8	73.1	112.3	95.8	105.1	541.8	735.5	811.7	674.7
82.5°	48.4	47.4	51.5	53.6	83.4	69.0	68.0	245.2	323.4	343.0	253.4
85°	30.9	31.9	48.4	46.4	54.6	47.4	38.1	116.4	152.5	155.5	94.8
87.5°	12.4	12.4	20.6	25.8	30.9	28.8	18.5	52.5	67.0	67.0	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°	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6
2.5°	367.7	363.6	360.5	358.5	353.3	348.2	349.2	348.2	344.0	342.0	342.0
5°	371.9	367.7	362.6	354.3	349.2	343.0	345.1	341.0	336.8	339.9	334.8
7.5°	382.2	374.9	367.7	355.4	347.1	337.9	333.7	331.7	328.6	326.5	326.5
10°	396.6	386.3	372.9	354.3	341.0	326.5	324.5	320.4	317.3	317.3	316.2
12.5°	411.0	399.7	377.0	347.1	324.5	314.2	313.1	314.2	316.2	317.3	318.3
15°	429.5	411.0	376.0	333.7	311.1	307.0	312.1	316.2	320.4	324.5	323.4
17.5°	447.1	425.4	366.7	317.3	299.8	300.8	310.1	318.3	326.5	330.7	331.7
20°	470.7	438.8	353.3	297.7	288.4	297.7	310.1	320.4	329.6	334.8	335.8
22.5°	497.5	454.3	335.8	280.2	279.1	288.4	300.8	316.2	326.5	335.8	334.8
25°	521.2	464.6	313.1	265.8	267.8	274.0	288.4	304.9	315.2	325.5	322.4
27.5°	536.7	466.6	289.5	255.5	255.5	261.6	275.0	285.3	294.6	302.8	303.9
30°	554.2	462.5	262.7	242.1	242.1	250.3	255.5	261.6	266.8	268.8	270.9
32.5°	574.8	453.2	246.2	231.8	231.8	237.9	241.0	239.0	237.9	232.8	235.9
35°	594.4	439.8	227.6	218.4	222.5	225.6	224.6	218.4	212.2	202.9	199.8
37.5°	618.0	426.4	211.2	204.0	211.2	212.2	212.2	205.0	196.7	185.4	185.4
40°	654.1	416.1	197.8	194.7	201.9	200.9	195.7	190.6	193.7	187.5	187.5
42.5°	692.2	412.0	185.4	186.4	189.5	190.6	185.4	179.2	191.6	184.4	185.4
45°	739.6	415.1	177.2	176.1	183.4	182.3	179.2	174.1	178.2	159.7	154.5
47.5°	783.9	421.3	173.1	168.9	177.2	179.2	175.1	163.8	157.6	146.3	144.2
50°	824.1	434.7	168.9	160.7	168.9	173.1	165.8	153.5	146.3	139.1	139.1
52.5°	862.2	454.3	166.9	151.4	158.6	163.8	159.7	147.3	139.1	136.0	132.9
55°	901.3	471.8	163.8	145.2	147.3	157.6	156.6	140.1	131.8	131.8	130.8
57.5°	956.9	495.5	159.7	134.9	139.1	150.4	150.4	137.0	127.7	128.8	129.8
60°	1013.6	523.3	155.5	124.6	127.7	143.2	145.2	132.9	124.6	125.7	124.6
62.5°	1104.2	574.8	147.3	112.3	118.5	133.9	139.1	127.7	120.5	122.6	122.6
65°	1241.2	663.4	129.8	102.0	109.2	125.7	132.9	122.6	114.3	120.5	118.5
67.5°	1461.7	784.9	109.2	93.7	103.0	117.4	125.7	116.4	109.2	118.5	115.4
70°	1659.4	844.7	93.7	86.5	93.7	108.2	117.4	110.2	103.0	112.3	108.2
72.5°	1579.1	662.3	81.4	78.3	85.5	97.9	109.2	102.0	94.8	99.9	95.8
75°	1362.8	527.4	71.1	70.0	76.2	88.6	99.9	94.8	87.6	89.6	87.6
77.5°	1033.2	435.7	60.8	59.7	64.9	79.3	89.6	85.5	78.3	77.3	77.3
80°	461.5	214.3	50.5	50.5	53.6	68.0	76.2	74.2	67.0	65.9	64.9
82.5°	151.4	81.4	41.2	39.1	43.3	56.7	68.0	65.9	58.7	56.7	54.6
85°	60.8	39.1	29.9	29.9	34.0	47.4	60.8	56.7	47.4	42.2	42.2
87.5°	20.6	16.5	15.5	15.5	21.6	31.9	45.3	38.1	34.0	29.9	30.9
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)