

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: P675665

Luminaire Tested: **CCW-SA-1A-727-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675665
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-727-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL4 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

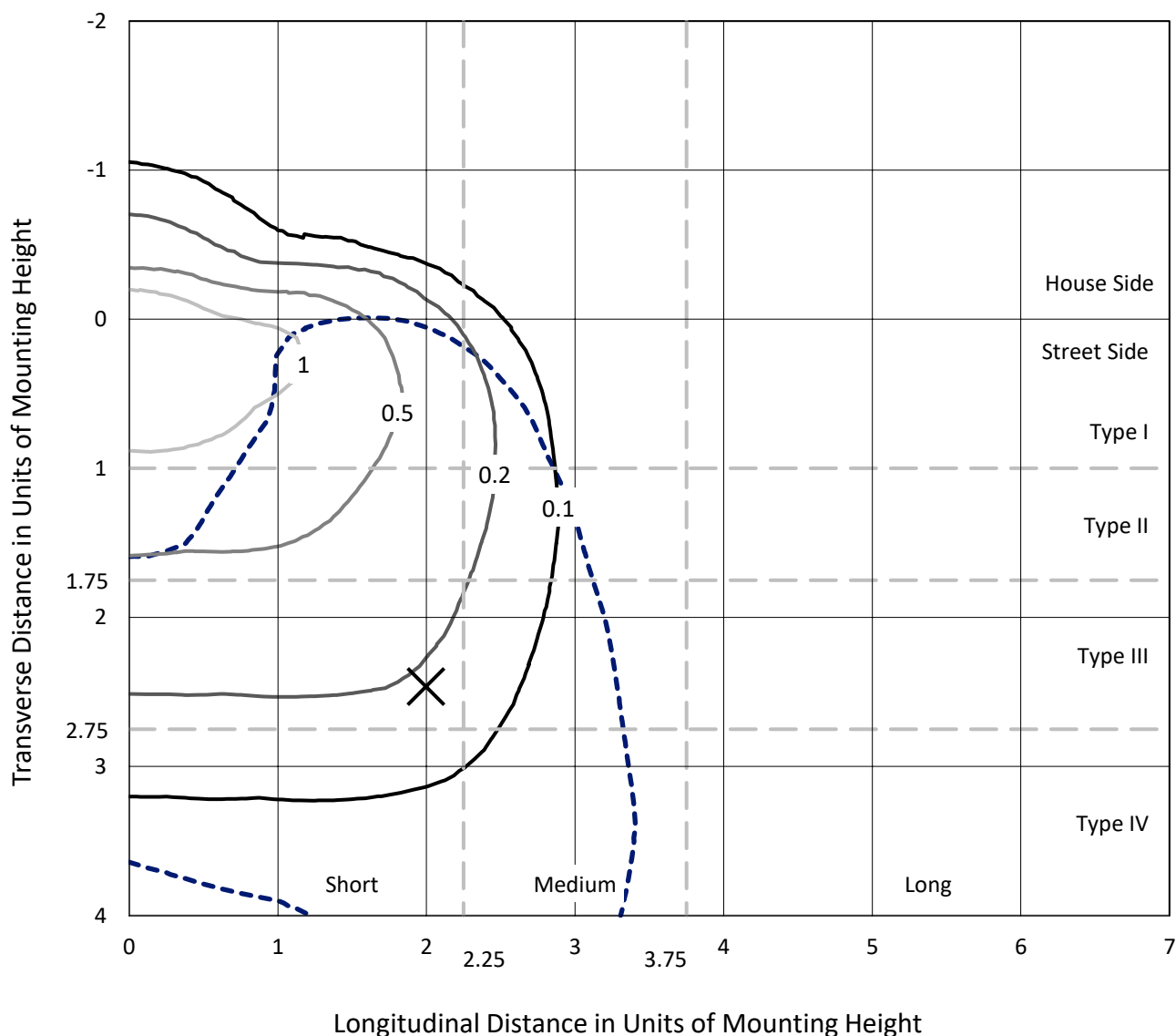
Lumens per Lamp: N/A
Luminaire Lumens: 2242 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

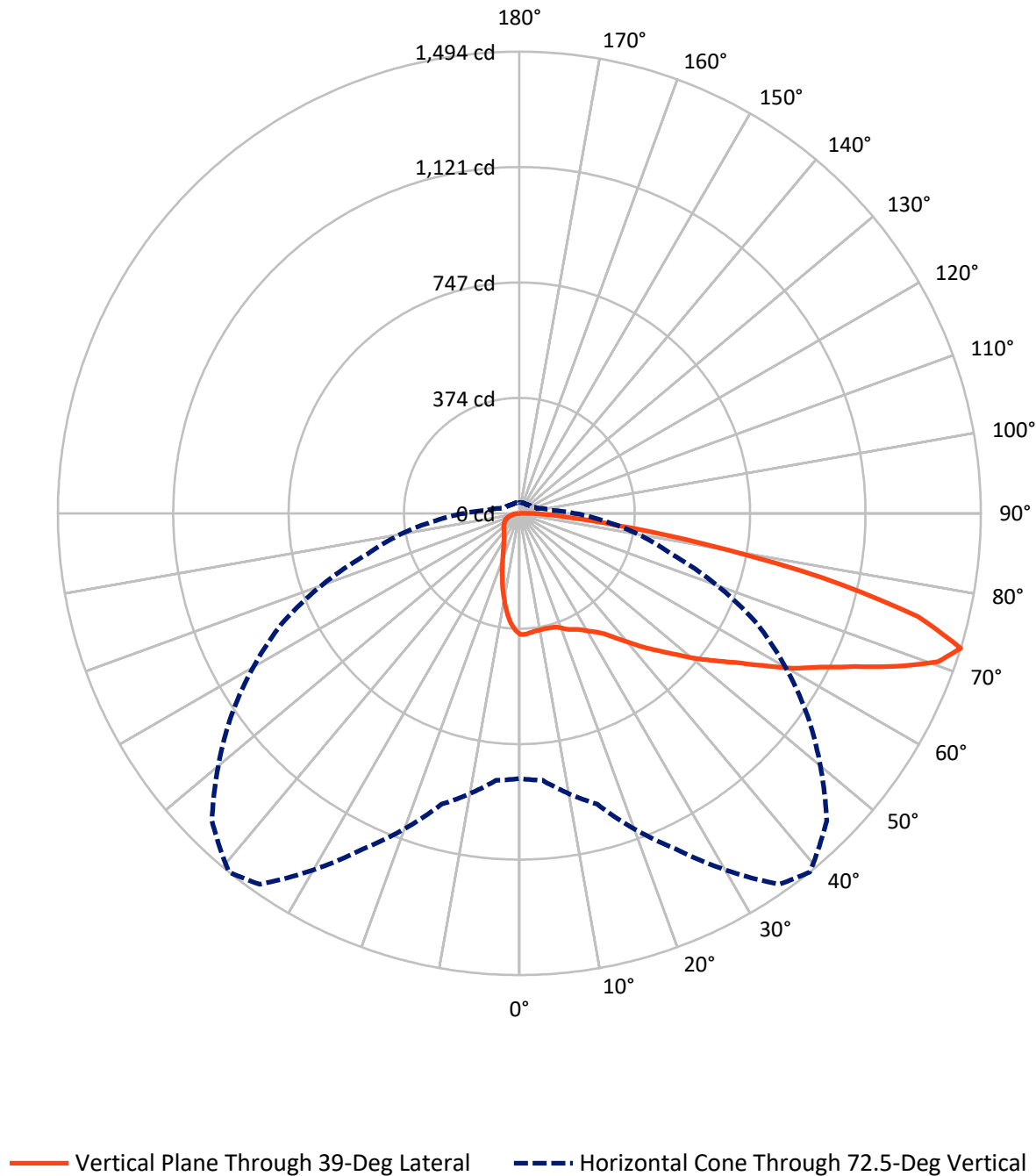
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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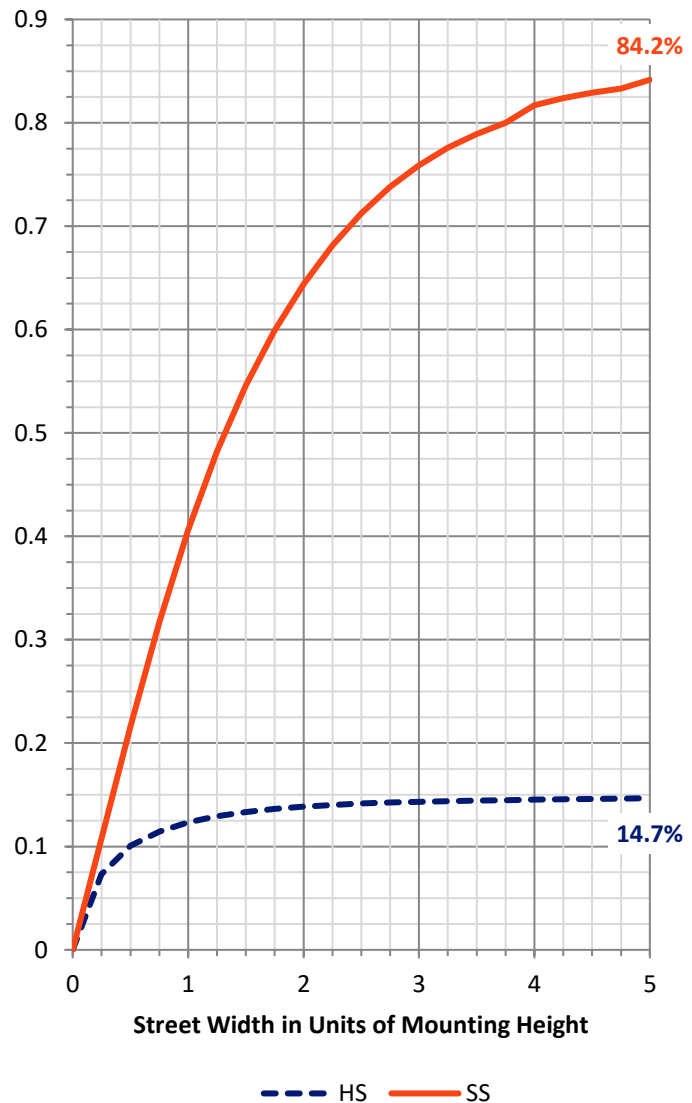
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	333.2	0.0	333.2
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	1908.8	0.0	1908.8
	% Fixture	85.1	0.0	85.1
Total	Lumens	2242.0	0.0	2242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	1.5
10°-20°	88.5	3.9
20°-30°	134.8	6.0
30°-40°	197.3	8.8
40°-50°	302.0	13.5
50°-60°	442.9	19.8
60°-70°	564.9	25.2
70°-80°	408.1	18.2
80°-90°	68.9	3.1
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°	2242.0	100.0
0°-180°	2242.0	100.0

Coefficient of Utilization



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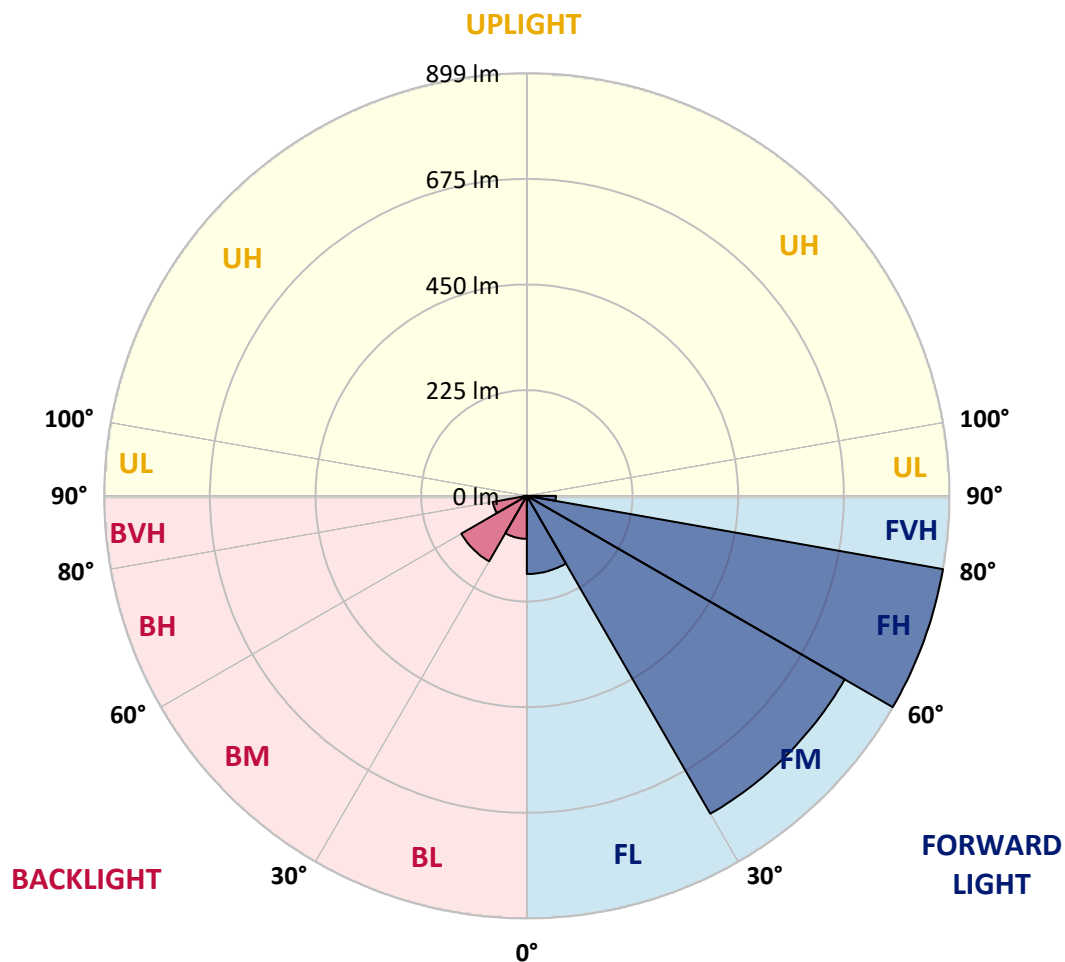
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.4	7.4			
FM	(30°-60°)	781.2	34.8			
FH	(60°-80°)	899.4	40.1			G1/1800
FVH	(80°-90°)	61.9	2.8			G1/100
BL	(0°-30°)	91.6	4.1	B0/110		
BM	(30°-60°)	161.0	7.2	B0/220		
BH	(60°-80°)	73.6	3.3	B0/110		G0/110
BVH	(80°-90°)	7.0	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5
2.5°	398.3	399.2	397.5	395.8	395.0	391.6	395.0	393.3	391.6	391.6	391.6
5°	393.3	394.1	394.1	392.5	393.3	387.4	386.6	387.4	384.9	383.2	382.3
7.5°	385.7	387.4	390.8	389.9	386.6	384.0	384.9	384.0	379.8	377.3	370.6
10°	379.8	381.5	383.2	384.9	384.0	383.2	382.3	379.0	378.1	372.2	365.5
12.5°	373.9	373.9	374.8	381.5	382.3	382.3	377.3	377.3	374.8	373.9	363.8
15°	368.0	370.6	377.3	379.0	382.3	384.0	381.5	381.5	377.3	371.4	363.8
17.5°	369.7	373.9	380.7	384.9	386.6	386.6	389.9	387.4	381.5	378.1	370.6
20°	378.1	379.0	387.4	395.0	396.7	396.7	393.3	390.8	386.6	380.7	370.6
22.5°	383.2	389.1	399.2	403.4	408.5	408.5	404.2	398.3	392.5	386.6	375.6
25°	405.1	405.9	410.1	416.9	419.4	416.0	411.8	405.1	397.5	391.6	381.5
27.5°	420.2	424.5	429.5	432.9	428.7	426.1	422.8	415.2	409.3	404.2	389.9
30°	448.0	443.0	446.4	448.0	440.5	442.1	432.9	426.1	419.4	419.4	403.4
32.5°	464.9	469.1	465.7	464.9	459.0	458.1	452.2	444.7	440.5	445.5	423.6
35°	494.4	491.8	491.8	491.0	484.2	480.0	480.0	466.6	470.8	481.7	454.8
37.5°	509.5	508.7	513.7	517.9	511.2	513.7	511.2	505.3	507.0	526.4	493.5
40°	524.7	530.6	540.7	542.4	546.6	549.9	548.3	547.4	554.2	585.3	545.7
42.5°	539.0	544.0	559.2	572.7	582.8	593.7	594.6	594.6	616.5	661.1	608.9
45°	557.5	561.7	582.8	609.7	626.6	634.2	640.9	648.5	677.9	731.0	676.3
47.5°	582.8	586.2	611.4	645.1	677.9	682.2	695.6	704.1	748.7	802.6	745.3
50°	619.0	616.5	636.7	685.5	717.5	737.7	757.1	772.3	816.1	875.0	799.2
52.5°	648.5	648.5	663.6	728.5	772.3	791.6	811.9	832.9	883.4	947.4	843.0
55°	699.0	694.0	703.2	770.6	833.8	852.3	891.0	908.7	957.6	1001.3	880.1
57.5°	733.5	736.1	747.0	826.2	906.2	928.9	967.7	980.3	1023.2	1057.8	907.0
60°	779.0	770.6	794.2	887.7	986.2	1018.2	1050.2	1057.8	1089.8	1094.0	919.7
62.5°	822.8	821.1	841.3	949.1	1072.1	1094.8	1127.7	1136.1	1149.6	1122.6	902.0
65°	849.8	860.7	898.6	1016.5	1169.8	1195.0	1227.9	1211.0	1195.9	1097.4	815.2
67.5°	886.8	891.9	950.0	1089.8	1282.6	1320.5	1349.2	1282.6	1169.8	993.8	686.4
70°	895.2	908.7	984.5	1166.4	1398.9	1437.6	1439.3	1258.2	1074.6	808.5	497.7
72.5°	858.2	867.4	974.4	1198.4	1465.4	1494.0	1407.3	1137.8	851.4	509.5	271.2
75°	721.7	747.9	848.1	1099.9	1343.3	1332.3	1192.5	868.3	511.2	225.7	114.5
77.5°	502.8	503.6	608.0	800.1	1005.6	1003.0	850.6	503.6	219.0	91.0	67.4
80°	223.2	239.2	302.3	431.2	610.6	610.6	496.0	250.1	109.5	59.0	46.3
82.5°	131.4	136.4	161.7	201.3	297.3	313.3	237.5	166.8	75.0	37.1	28.6
85°	96.8	105.3	120.4	121.3	140.6	143.2	131.4	144.9	51.4	20.2	23.6
87.5°	72.4	77.5	96.0	80.0	75.0	70.7	80.8	148.2	19.4	10.1	7.6
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°	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5
2.5°	388.2	388.2	386.6	383.2	383.2	376.5	378.1	379.8	375.6	375.6	376.5
5°	382.3	379.0	374.8	369.7	366.3	357.1	355.4	349.5	348.7	347.0	344.4
7.5°	370.6	365.5	357.9	350.3	339.4	331.0	320.9	312.4	309.1	306.6	305.7
10°	359.6	358.8	346.1	331.0	314.1	298.1	283.0	272.0	265.3	261.1	260.2
12.5°	359.6	352.9	335.2	314.1	289.7	266.1	246.8	231.6	222.3	215.6	213.1
15°	357.9	351.2	327.6	295.6	267.8	235.8	208.9	192.9	179.4	172.6	173.5
17.5°	359.6	349.5	316.7	282.1	243.4	208.9	176.9	157.5	144.0	139.0	138.1
20°	360.5	347.8	308.2	263.6	218.1	179.4	149.1	130.5	120.4	117.1	117.1
22.5°	358.8	342.8	295.6	241.7	196.2	155.0	129.7	113.7	107.0	102.7	104.4
25°	366.3	341.9	283.8	223.2	171.0	134.7	115.4	103.6	99.4	96.8	97.7
27.5°	368.0	341.9	274.5	202.1	149.1	119.6	104.4	96.8	93.5	91.8	91.0
30°	374.8	343.6	263.6	181.1	131.4	107.8	96.0	91.8	89.3	88.4	88.4
32.5°	393.3	348.7	251.8	163.4	116.2	97.7	90.1	86.7	85.1	84.2	85.1
35°	415.2	362.1	239.2	144.9	105.3	91.0	85.1	82.5	81.7	81.7	81.7
37.5°	448.9	382.3	228.2	129.7	96.0	84.2	80.0	79.2	78.3	79.2	79.2
40°	487.6	404.2	218.1	117.9	89.3	80.0	75.8	75.8	75.0	75.8	76.6
42.5°	532.3	431.2	208.0	106.1	83.4	76.6	73.3	72.4	71.6	73.3	74.1
45°	593.7	468.2	201.3	99.4	79.2	73.3	69.9	69.9	69.1	69.1	70.7
47.5°	645.1	503.6	201.3	92.6	76.6	70.7	67.4	67.4	65.7	66.5	66.5
50°	688.1	533.9	205.5	91.0	73.3	68.2	65.7	64.0	63.2	63.2	63.2
52.5°	716.7	552.5	208.9	89.3	71.6	64.8	63.2	62.3	60.6	59.8	60.6
55°	745.3	565.1	209.7	89.3	69.1	61.5	59.8	59.8	58.1	57.3	57.3
57.5°	756.3	560.0	197.9	87.6	67.4	59.0	57.3	56.4	55.6	54.7	54.7
60°	751.2	541.5	171.8	83.4	65.7	57.3	53.9	53.9	53.9	52.2	53.1
62.5°	716.7	478.4	138.1	76.6	63.2	53.9	50.5	52.2	52.2	51.4	51.4
65°	625.7	395.0	112.0	70.7	59.8	51.4	48.0	50.5	51.4	50.5	49.7
67.5°	500.3	304.0	92.6	64.0	55.6	47.2	44.6	47.2	48.0	47.2	47.2
70°	343.6	196.2	75.0	57.3	49.7	43.0	40.4	42.1	42.1	43.0	43.0
72.5°	177.7	106.1	61.5	48.8	43.0	38.7	36.2	36.2	35.4	35.4	35.4
75°	88.4	72.4	51.4	41.3	36.2	32.8	31.2	29.5	29.5	29.5	29.5
77.5°	61.5	55.6	42.1	32.8	29.5	26.9	26.9	24.4	24.4	24.4	24.4
80°	46.3	43.8	32.0	25.3	22.7	21.1	21.1	20.2	20.2	19.4	19.4
82.5°	32.8	35.4	24.4	18.5	16.8	16.0	16.0	15.2	15.2	13.5	13.5
85°	26.1	29.5	18.5	13.5	12.6	10.9	10.9	10.1	10.1	9.3	8.4
87.5°	7.6	16.0	7.6	5.1	5.1	5.1	5.1	4.2	4.2	3.4	3.4
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)