

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: P675465

Luminaire Tested: **CCW-SA-1A-835-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675465
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-835-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

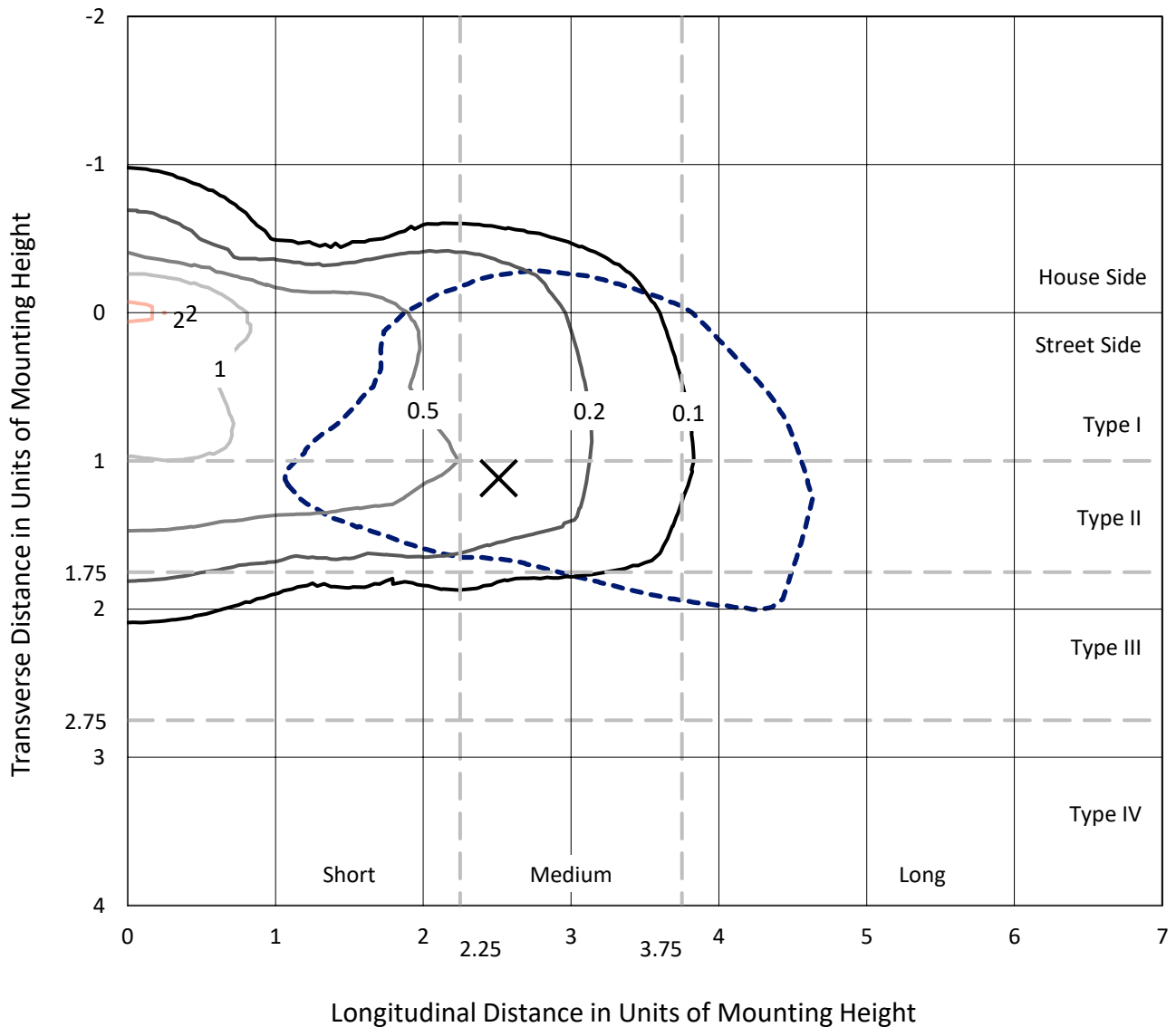
Lumens per Lamp: N/A
Luminaire Lumens: 2231.1 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

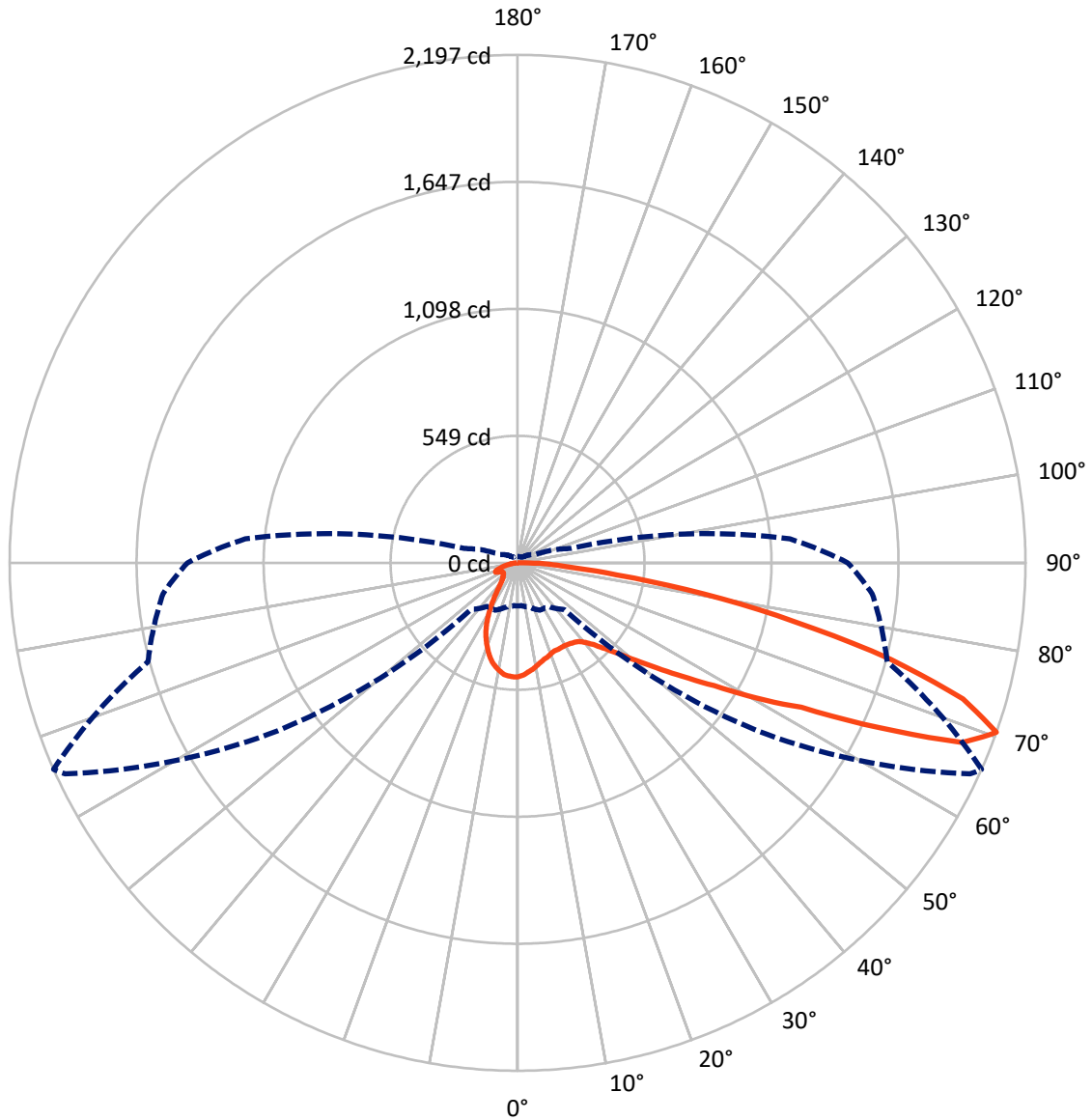
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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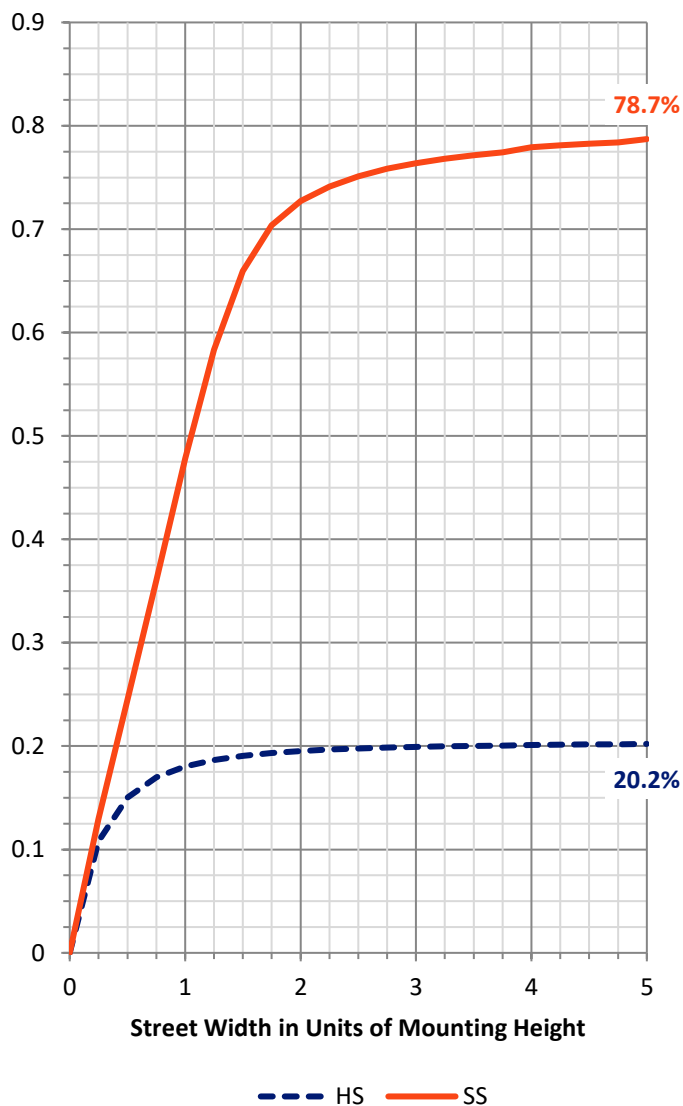
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	456.7	0.0	456.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	1774.4	0.0	1774.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	2231.1	0.0	2231.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	2.0
10°-20°	107.3	4.8
20°-30°	147.4	6.6
30°-40°	197.6	8.9
40°-50°	286.7	12.8
50°-60°	435.7	19.5
60°-70°	538.1	24.1
70°-80°	400.2	17.9
80°-90°	74.6	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°	2231.1	100.0
0°-180°	2231.1	100.0

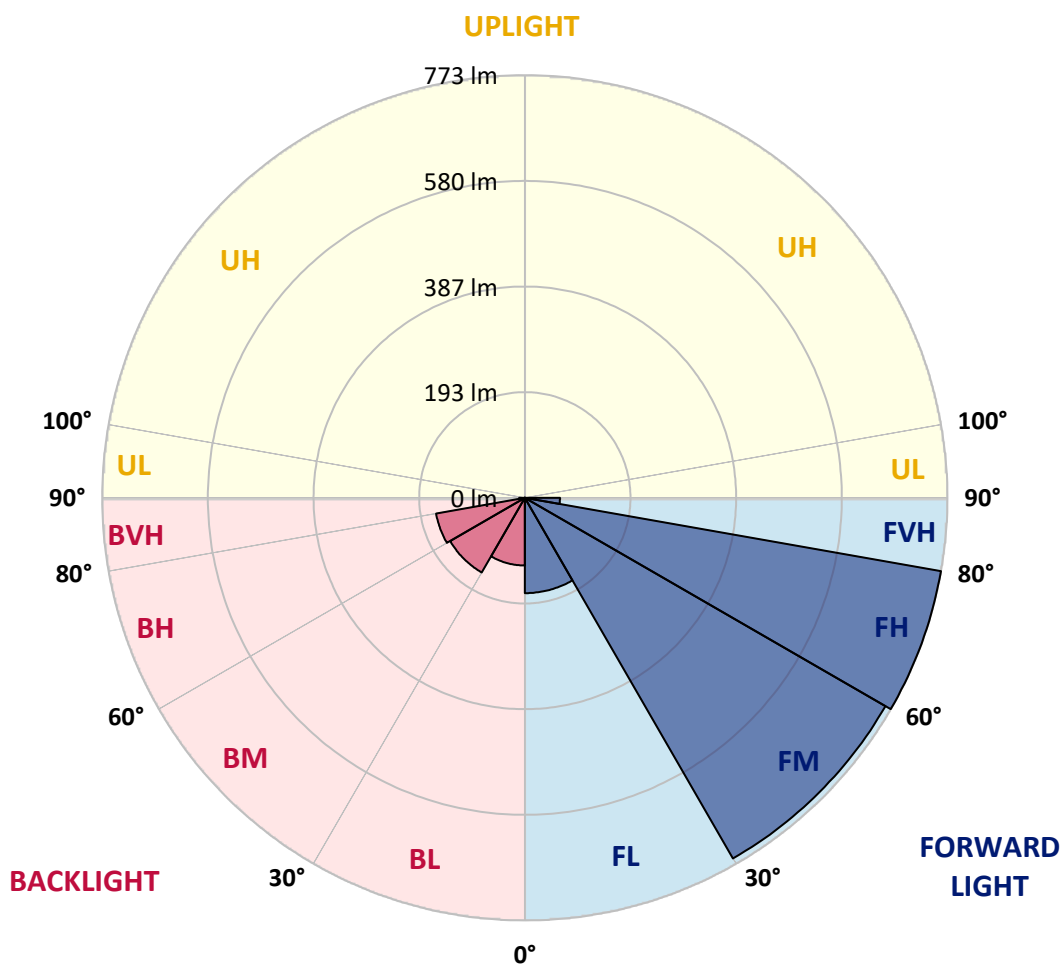


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.5	7.8			
FM (30°-60°)	762.2	34.2			
FH (60°-80°)	773.4	34.7			G1/1800
FVH (80°-90°)	64.3	2.9			G1/100
BL (0°-30°)	123.8	5.5	B1/500		
BM (30°-60°)	157.8	7.1	B0/220		
BH (60°-80°)	164.9	7.4	B1/500		G1/500
BVH (80°-90°)	10.3	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°	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9
2.5°	468.8	471.3	472.2	473.8	478.0	481.3	486.3	488.8	486.3	489.6	489.6
5°	436.5	433.2	441.5	444.8	449.8	456.4	468.0	477.1	474.7	484.6	492.9
7.5°	409.1	409.1	411.6	419.1	424.9	434.8	447.3	461.4	465.5	478.8	491.3
10°	384.2	387.5	387.5	399.1	402.5	414.1	434.8	452.3	453.1	475.5	492.9
12.5°	370.9	369.3	377.6	380.9	390.8	402.5	419.1	440.6	441.5	465.5	489.6
15°	360.1	361.8	365.9	374.2	383.4	392.5	408.3	428.2	432.3	460.5	487.9
17.5°	361.0	361.8	361.8	367.6	375.1	385.9	400.8	424.0	426.5	453.9	485.4
20°	365.9	362.6	365.1	367.6	372.6	382.5	395.0	414.9	417.4	453.1	491.3
22.5°	376.7	374.2	373.4	372.6	371.8	377.6	393.3	409.9	412.4	448.9	493.7
25°	394.2	393.3	387.5	381.7	377.6	377.6	390.0	414.1	413.2	448.9	495.4
27.5°	414.9	414.9	414.1	403.3	390.8	384.2	392.5	412.4	411.6	448.9	499.6
30°	443.1	443.1	440.6	430.7	408.3	389.2	394.2	410.8	413.2	445.6	496.2
32.5°	473.8	473.0	475.5	466.4	443.1	412.4	404.1	414.1	416.6	448.9	497.1
35°	496.2	501.2	509.5	501.2	478.0	436.5	418.2	420.7	422.4	449.8	500.4
37.5°	522.0	527.8	539.4	546.0	521.1	473.0	440.6	431.5	431.5	460.5	501.2
40°	559.3	553.5	573.4	585.0	575.1	517.8	475.5	451.4	452.3	474.7	512.0
42.5°	586.7	592.5	613.2	634.0	621.5	572.6	513.7	483.8	483.8	495.4	528.6
45°	617.4	624.0	653.1	678.0	687.1	638.1	565.9	530.3	528.6	536.1	558.5
47.5°	651.4	660.5	693.7	722.8	746.8	706.2	633.2	586.7	585.9	591.7	608.3
50°	690.4	693.7	721.1	774.2	822.3	796.6	715.3	666.3	662.2	664.7	687.1
52.5°	702.0	699.5	731.1	788.3	876.3	907.0	827.3	756.8	755.1	749.3	778.4
55°	659.7	668.0	698.7	771.7	920.3	1037.3	950.1	880.4	865.5	849.7	884.6
57.5°	575.1	575.9	610.7	697.0	886.2	1145.1	1158.4	1001.6	1002.4	960.1	999.9
60°	447.3	444.8	472.2	550.2	789.2	1178.3	1385.8	1194.9	1186.6	1070.5	1107.0
62.5°	322.8	317.8	323.6	369.3	590.0	1127.7	1609.0	1411.5	1376.7	1183.3	1211.5
65°	265.5	268.0	270.5	273.0	331.1	930.2	1677.9	1765.0	1718.6	1315.3	1326.9
67.5°	219.9	221.6	232.3	247.3	245.6	549.3	1598.2	2092.0	2074.5	1478.7	1426.5
70°	186.7	185.9	198.3	225.7	229.9	285.5	1265.5	2159.2	2196.5	1654.7	1539.3
72.5°	149.4	151.0	161.8	198.3	225.7	240.6	728.6	2014.8	2014.0	1789.9	1478.7
75°	107.0	107.0	122.0	164.3	218.2	238.2	403.3	1635.6	1666.3	1682.0	1282.9
77.5°	70.5	73.9	85.5	122.8	205.0	233.2	255.6	1189.1	1227.3	1258.0	981.7
80°	48.1	49.8	57.3	85.5	173.4	234.8	209.1	799.9	814.9	694.6	398.3
82.5°	29.0	29.9	38.2	59.7	124.5	223.2	196.7	441.5	432.3	209.9	114.5
85°	15.8	16.6	24.1	39.8	82.2	195.0	193.3	216.6	201.6	77.2	48.1
87.5°	5.8	5.8	10.8	19.9	47.3	133.6	168.5	128.6	120.3	39.0	22.4
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°	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9
2.5°	493.7	493.7	493.7	493.7	492.9	489.6	492.1	491.3	486.3	487.1	483.8
5°	492.1	496.2	493.7	490.4	486.3	476.3	473.0	470.5	463.9	461.4	463.9
7.5°	496.2	492.9	491.3	485.4	468.8	459.7	448.1	434.0	424.0	421.5	424.0
10°	495.4	495.4	487.9	471.3	455.6	429.0	414.1	389.2	375.1	370.9	371.8
12.5°	492.1	494.6	483.0	456.4	426.5	394.2	366.8	340.2	315.3	305.4	303.7
15°	495.4	492.9	472.2	438.1	396.7	351.8	312.0	273.0	249.8	234.8	231.5
17.5°	490.4	487.9	458.1	413.2	357.7	300.4	250.6	208.3	185.0	179.2	179.2
20°	496.2	480.5	441.5	383.4	317.0	244.0	187.5	156.0	150.2	150.2	151.9
22.5°	495.4	478.8	427.4	354.3	268.0	184.2	139.4	130.3	131.1	137.7	136.9
25°	490.4	475.5	407.4	322.0	216.6	138.6	115.3	112.9	118.7	126.1	125.3
27.5°	489.6	466.4	389.2	283.8	165.1	109.5	100.4	100.4	106.2	112.9	112.0
30°	484.6	458.9	366.8	240.6	124.5	95.4	92.1	92.1	94.6	97.9	97.9
32.5°	483.8	448.9	341.9	195.8	99.6	86.3	84.6	85.5	85.5	87.1	86.3
35°	477.1	435.7	316.2	151.9	86.3	81.3	79.7	78.8	78.8	78.0	78.0
37.5°	474.7	427.4	289.6	117.8	80.5	77.2	75.5	73.0	72.2	72.2	71.4
40°	477.1	419.1	263.9	95.4	75.5	73.9	71.4	68.0	67.2	67.2	67.2
42.5°	486.3	418.2	237.3	83.0	73.0	70.5	67.2	63.9	63.1	63.9	63.1
45°	507.0	424.9	211.6	77.2	69.7	67.2	63.1	60.6	59.7	60.6	60.6
47.5°	541.0	443.1	188.4	73.9	67.2	63.9	59.7	57.3	57.3	57.3	57.3
50°	597.5	478.0	166.0	71.4	65.6	61.4	57.3	53.9	53.1	53.1	53.9
52.5°	682.1	537.7	147.7	69.7	63.1	58.1	53.9	51.4	49.8	49.0	49.8
55°	784.2	624.9	141.9	68.0	59.7	55.6	51.4	48.1	46.5	46.5	45.6
57.5°	893.7	721.1	151.9	66.4	57.3	52.3	48.1	44.8	43.2	42.3	42.3
60°	1012.4	834.8	188.4	65.6	54.8	49.0	44.8	42.3	39.8	39.0	39.0
62.5°	1120.3	937.7	253.9	64.7	53.1	45.6	41.5	38.2	36.5	35.7	35.7
65°	1243.1	1052.2	317.8	68.0	52.3	43.2	38.2	34.9	33.2	32.4	32.4
67.5°	1350.1	1151.8	355.2	76.3	54.8	39.8	34.0	31.5	30.7	29.9	29.9
70°	1428.1	1182.5	238.2	83.8	58.9	37.3	30.7	29.0	27.4	27.4	27.4
72.5°	1323.6	1055.5	141.1	78.8	55.6	34.9	27.4	25.7	24.9	24.9	24.1
75°	1131.9	898.7	108.7	63.9	44.8	29.9	24.1	22.4	21.6	21.6	20.7
77.5°	835.6	643.9	80.5	50.6	34.9	24.1	20.7	19.9	19.1	18.3	18.3
80°	326.9	282.1	54.8	37.3	25.7	19.1	17.4	16.6	15.8	14.9	14.9
82.5°	101.2	85.5	31.5	24.9	18.3	14.9	14.1	13.3	12.4	11.6	11.6
85°	44.0	42.3	20.7	15.8	12.4	10.0	10.0	9.1	8.3	7.5	7.5
87.5°	21.6	20.7	11.6	7.5	6.6	5.0	5.0	4.1	3.3	3.3	3.3
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)