

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: P671214

Luminaire Tested: **CCP-SA-1B-727-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671214
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-727-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL2
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2858.5 lumens
Efficiency: N/A
Efficacy: 119.1 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): 24
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

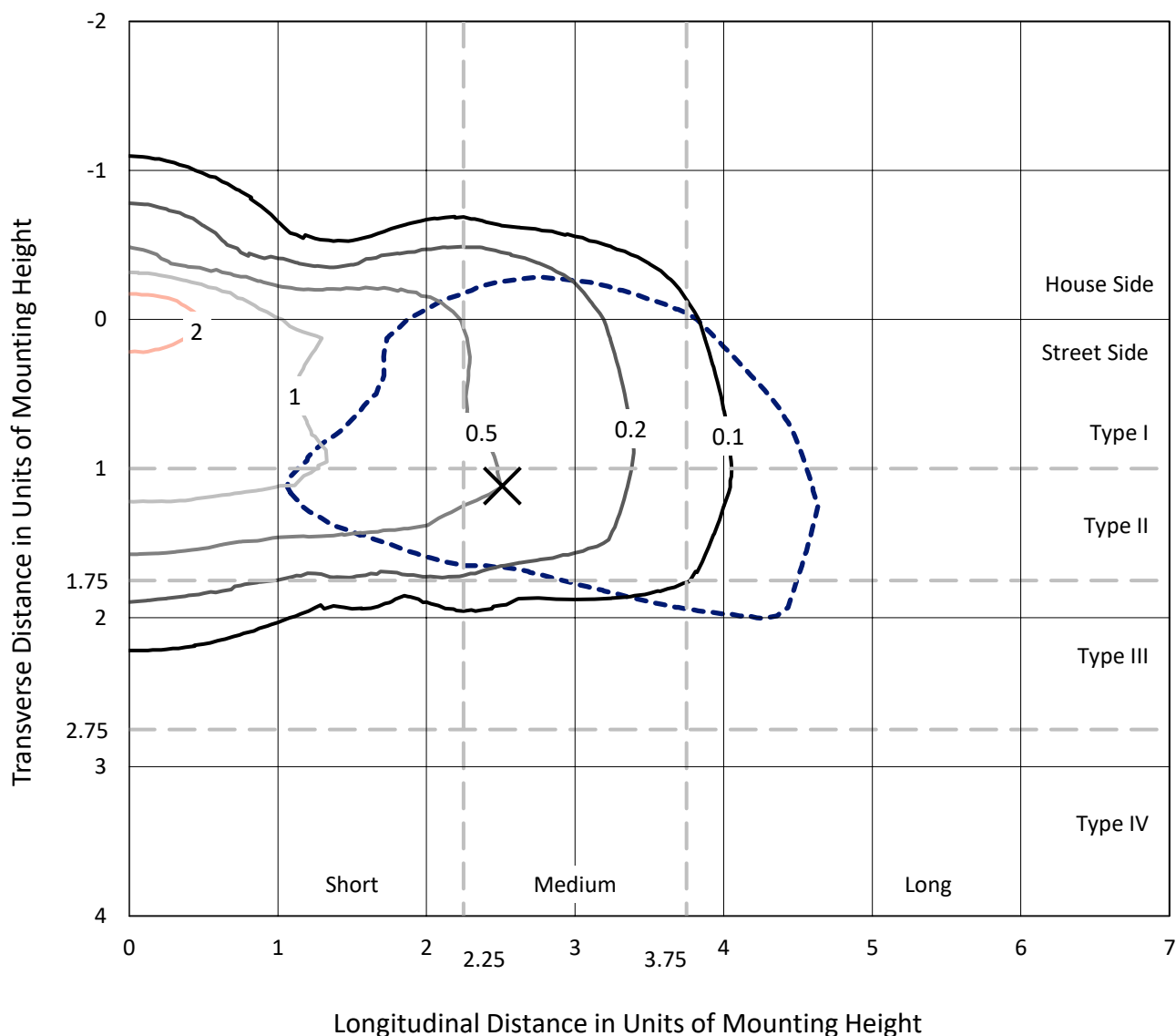
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

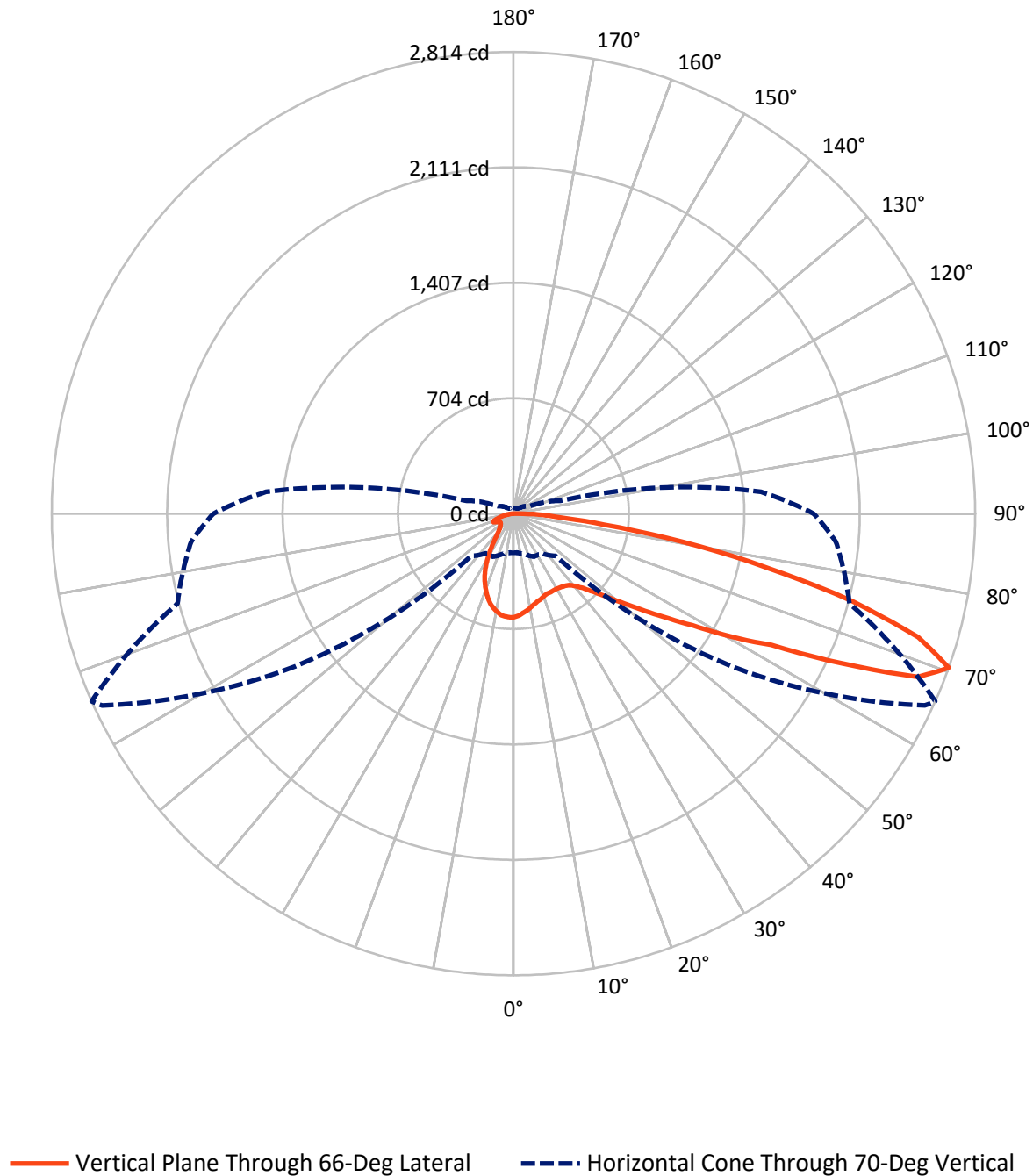
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	585.1	0.0	585.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2273.4	0.0	2273.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	2858.5	0.0	2858.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	2.0
10°-20°	137.5	4.8
20°-30°	188.8	6.6
30°-40°	253.1	8.9
40°-50°	367.3	12.8
50°-60°	558.2	19.5
60°-70°	689.4	24.1
70°-80°	512.7	17.9
80°-90°	95.6	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°	2858.5	100.0
0°-180°	2858.5	100.0

Coefficient of Utilization



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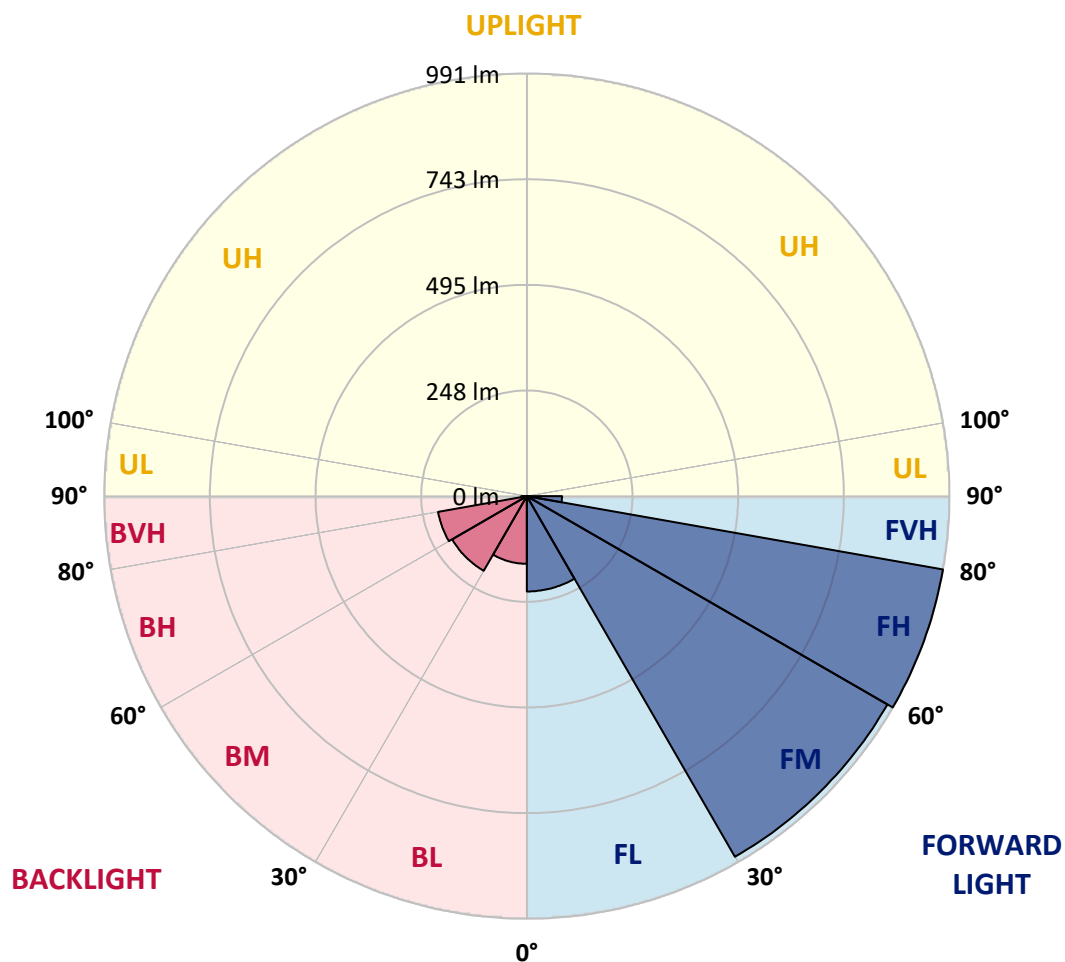
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.5	7.8			
FM	(30°-60°)	976.5	34.2			
FH	(60°-80°)	990.9	34.7			G1/1800
FVH	(80°-90°)	82.4	2.9			G1/100
BL	(0°-30°)	158.6	5.5	B1/500		
BM	(30°-60°)	202.1	7.1	B0/220		
BH	(60°-80°)	211.2	7.4	B1/500		G1/500
BVH	(80°-90°)	13.2	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°	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5
2.5°	600.7	603.9	604.9	607.1	612.4	616.6	623.0	626.2	623.0	627.3	627.3
5°	559.2	555.0	565.6	569.9	576.2	584.7	599.6	611.3	608.1	620.9	631.5
7.5°	524.1	524.1	527.3	536.9	544.3	557.1	573.0	591.1	596.4	613.5	629.4
10°	492.2	496.5	496.5	511.4	515.6	530.5	557.1	579.4	580.5	609.2	631.5
12.5°	475.2	473.1	483.7	488.0	500.8	515.6	536.9	564.5	565.6	596.4	627.3
15°	461.4	463.5	468.9	479.5	491.2	502.9	523.1	548.6	553.9	590.1	625.1
17.5°	462.5	463.5	463.5	471.0	480.6	494.4	513.5	543.3	546.5	581.6	622.0
20°	468.9	464.6	467.8	471.0	477.4	490.1	506.1	531.6	534.8	580.5	629.4
22.5°	482.7	479.5	478.4	477.4	476.3	483.7	503.9	525.2	528.4	575.2	632.6
25°	505.0	503.9	496.5	489.1	483.7	483.7	499.7	530.5	529.5	575.2	634.7
27.5°	531.6	531.6	530.5	516.7	500.8	492.2	502.9	528.4	527.3	575.2	640.0
30°	567.7	567.7	564.5	551.8	523.1	498.6	505.0	526.3	529.5	570.9	635.8
32.5°	607.1	606.0	609.2	597.5	567.7	528.4	517.8	530.5	533.7	575.2	636.8
35°	635.8	642.2	652.8	642.2	612.4	559.2	535.8	539.0	541.2	576.2	641.1
37.5°	668.7	676.2	691.1	699.6	667.7	606.0	564.5	552.8	552.8	590.1	642.2
40°	716.6	709.1	734.7	749.5	736.8	663.4	609.2	578.4	579.4	608.1	656.0
42.5°	751.7	759.1	785.7	812.3	796.3	733.6	658.1	619.8	619.8	634.7	677.2
45°	791.0	799.5	836.7	868.6	880.3	817.6	725.1	679.4	677.2	686.8	715.5
47.5°	834.6	846.3	888.8	926.0	956.9	904.8	811.2	751.7	750.6	758.0	779.3
50°	884.6	888.8	923.9	991.9	1053.6	1020.6	916.5	853.7	848.4	851.6	880.3
52.5°	899.4	896.3	936.7	1010.0	1122.7	1162.0	1060.0	969.6	967.5	960.0	997.3
55°	845.2	855.9	895.2	988.7	1179.1	1329.0	1217.3	1128.0	1108.9	1088.7	1133.3
57.5°	736.8	737.8	782.5	893.1	1135.5	1467.2	1484.2	1283.2	1284.3	1230.1	1281.1
60°	573.0	569.9	604.9	704.9	1011.1	1509.7	1775.5	1531.0	1520.3	1371.5	1418.3
62.5°	413.6	407.2	414.6	473.1	755.9	1444.9	2061.5	1808.5	1763.8	1516.1	1552.2
65°	340.2	343.4	346.6	349.8	424.2	1191.8	2149.7	2261.4	2201.8	1685.1	1700.0
67.5°	281.7	283.9	297.7	316.8	314.7	703.8	2047.7	2680.3	2657.9	1894.6	1827.6
70°	239.2	238.2	254.1	289.2	294.5	365.7	1621.3	2766.4	2814.2	2120.0	1972.2
72.5°	191.4	193.5	207.3	254.1	289.2	308.3	933.5	2581.4	2580.3	2293.3	1894.6
75°	137.1	137.1	156.3	210.5	279.6	305.1	516.7	2095.5	2134.8	2155.0	1643.7
77.5°	90.4	94.6	109.5	157.3	262.6	298.8	327.5	1523.5	1572.4	1611.8	1257.7
80°	61.7	63.8	73.4	109.5	222.2	300.9	267.9	1024.9	1044.0	889.9	510.3
82.5°	37.2	38.3	48.9	76.5	159.5	286.0	252.0	565.6	553.9	269.0	146.7
85°	20.2	21.3	30.8	51.0	105.3	249.8	247.7	277.5	258.4	98.9	61.7
87.5°	7.4	7.4	13.8	25.5	60.6	171.2	215.8	164.8	154.2	50.0	28.7
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°	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5
2.5°	632.6	632.6	632.6	632.6	631.5	627.3	630.5	629.4	623.0	624.1	619.8
5°	630.5	635.8	632.6	628.3	623.0	610.3	606.0	602.8	594.3	591.1	594.3
7.5°	635.8	631.5	629.4	622.0	600.7	589.0	574.1	556.0	543.3	540.1	543.3
10°	634.7	634.7	625.1	603.9	583.7	549.7	530.5	498.6	480.6	475.2	476.3
12.5°	630.5	633.7	618.8	584.7	546.5	505.0	469.9	435.9	404.0	391.2	389.1
15°	634.7	631.5	604.9	561.4	508.2	450.8	399.8	349.8	320.0	300.9	296.6
17.5°	628.3	625.1	586.9	529.5	458.2	384.9	321.1	266.9	237.1	229.6	229.6
20°	635.8	615.6	565.6	491.2	406.1	312.6	240.3	199.9	192.4	192.4	194.6
22.5°	634.7	613.5	547.5	454.0	343.4	236.0	178.6	166.9	168.0	176.5	175.4
25°	628.3	609.2	522.0	412.5	277.5	177.5	147.8	144.6	152.0	161.6	160.5
27.5°	627.3	597.5	498.6	363.6	211.6	140.3	128.6	128.6	136.1	144.6	143.5
30°	620.9	587.9	469.9	308.3	159.5	122.3	118.0	118.0	121.2	125.5	125.5
32.5°	619.8	575.2	438.0	250.9	127.6	110.6	108.4	109.5	109.5	111.6	110.6
35°	611.3	558.2	405.1	194.6	110.6	104.2	102.1	101.0	101.0	99.9	99.9
37.5°	608.1	547.5	371.0	151.0	103.1	98.9	96.7	93.6	92.5	92.5	91.4
40°	611.3	536.9	338.1	122.3	96.7	94.6	91.4	87.2	86.1	86.1	86.1
42.5°	623.0	535.8	304.1	106.3	93.6	90.4	86.1	81.9	80.8	81.9	80.8
45°	649.6	544.3	271.1	98.9	89.3	86.1	80.8	77.6	76.5	77.6	77.6
47.5°	693.2	567.7	241.3	94.6	86.1	81.9	76.5	73.4	73.4	73.4	73.4
50°	765.5	612.4	212.6	91.4	84.0	78.7	73.4	69.1	68.0	68.0	69.1
52.5°	873.9	688.9	189.2	89.3	80.8	74.4	69.1	65.9	63.8	62.7	63.8
55°	1004.7	800.6	181.8	87.2	76.5	71.2	65.9	61.7	59.5	59.5	58.5
57.5°	1145.0	923.9	194.6	85.1	73.4	67.0	61.7	57.4	55.3	54.2	54.2
60°	1297.1	1069.6	241.3	84.0	70.2	62.7	57.4	54.2	51.0	50.0	50.0
62.5°	1435.3	1201.4	325.3	82.9	68.0	58.5	53.2	48.9	46.8	45.7	45.7
65°	1592.6	1348.1	407.2	87.2	67.0	55.3	48.9	44.7	42.5	41.5	41.5
67.5°	1729.8	1475.7	455.0	97.8	70.2	51.0	43.6	40.4	39.3	38.3	38.3
70°	1829.7	1515.0	305.1	107.4	75.5	47.8	39.3	37.2	35.1	35.1	35.1
72.5°	1695.8	1352.4	180.7	101.0	71.2	44.7	35.1	33.0	31.9	31.9	30.8
75°	1450.2	1151.4	139.3	81.9	57.4	38.3	30.8	28.7	27.6	27.6	26.6
77.5°	1070.6	825.0	103.1	64.9	44.7	30.8	26.6	25.5	24.5	23.4	23.4
80°	418.9	361.5	70.2	47.8	33.0	24.5	22.3	21.3	20.2	19.1	19.1
82.5°	129.7	109.5	40.4	31.9	23.4	19.1	18.1	17.0	15.9	14.9	14.9
85°	56.3	54.2	26.6	20.2	15.9	12.8	12.8	11.7	10.6	9.6	9.6
87.5°	27.6	26.6	14.9	9.6	8.5	6.4	6.4	5.3	4.3	4.3	4.3
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)