

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: P670891

Luminaire Tested: **CCP-SA-1A-850-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670891
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-850-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2412.1 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

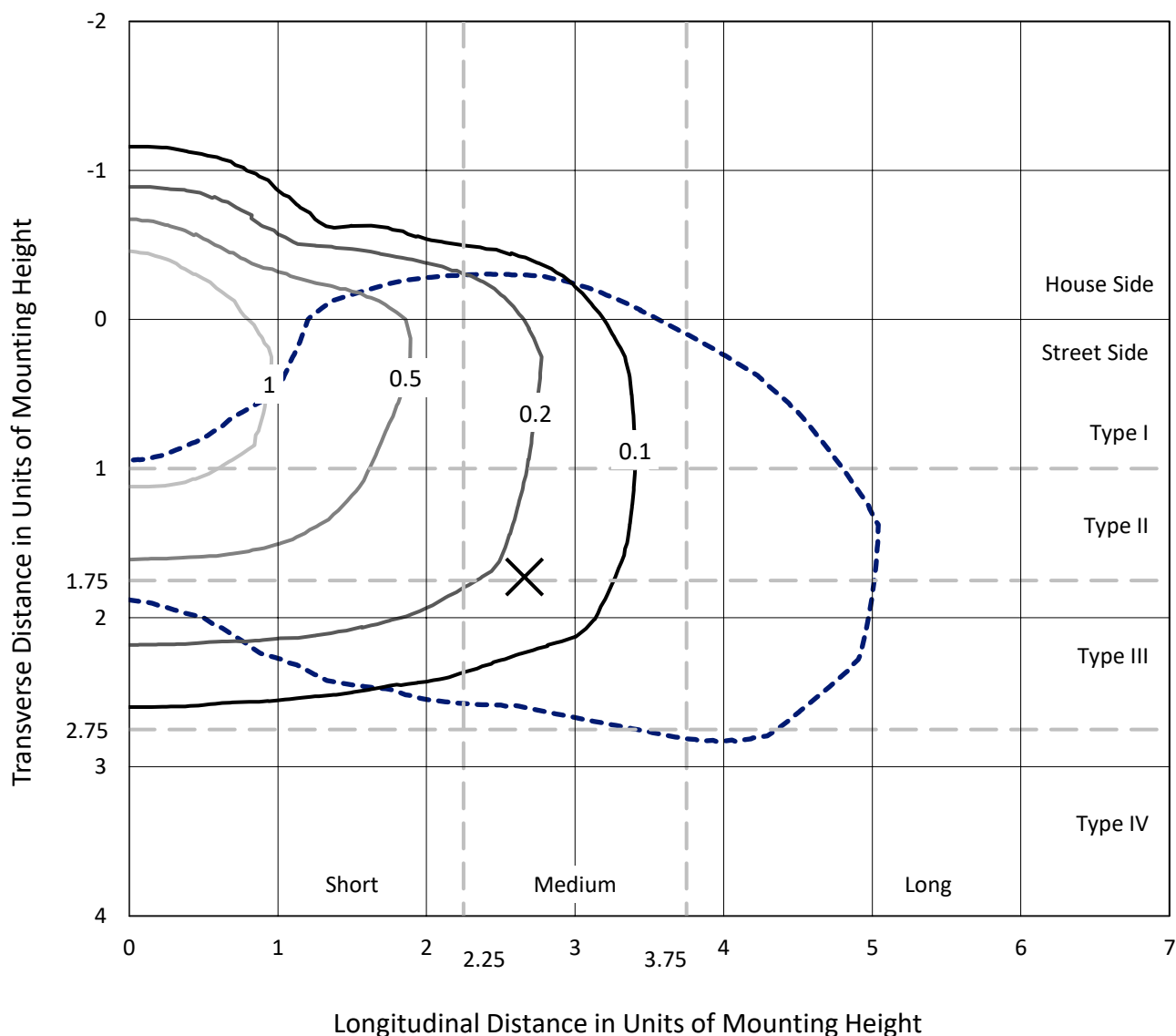
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

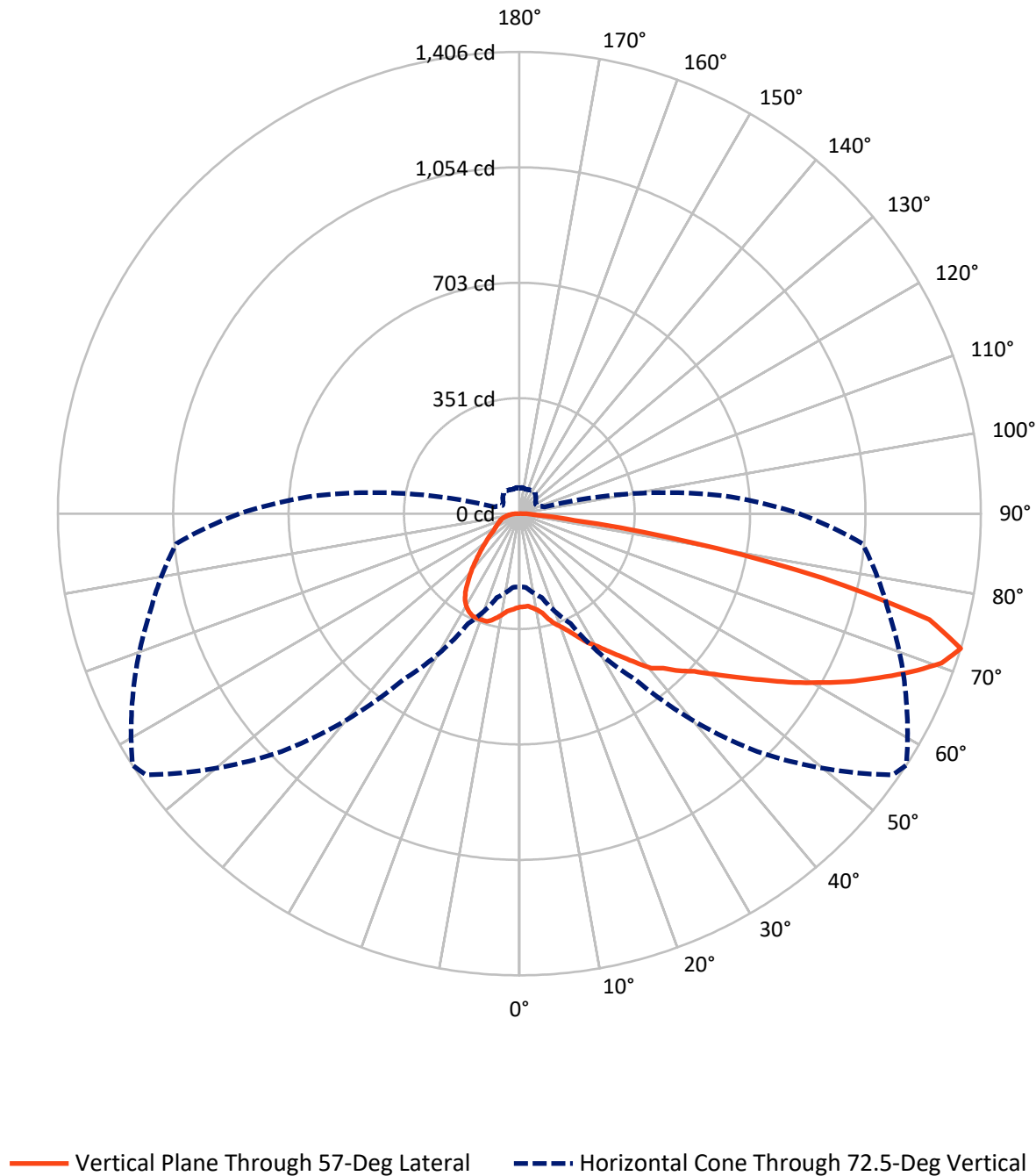
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 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	563.3	0.0	563.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	1848.8	0.0	1848.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	2412.1	0.0	2412.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	1.2
10°-20°	95.2	3.9
20°-30°	174.1	7.2
30°-40°	255.4	10.6
40°-50°	351.7	14.6
50°-60°	482.3	20.0
60°-70°	581.4	24.1
70°-80°	387.3	16.1
80°-90°	56.4	2.3
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°	2412.1	100.0
0°-180°	2412.1	100.0

Coefficient of Utilization



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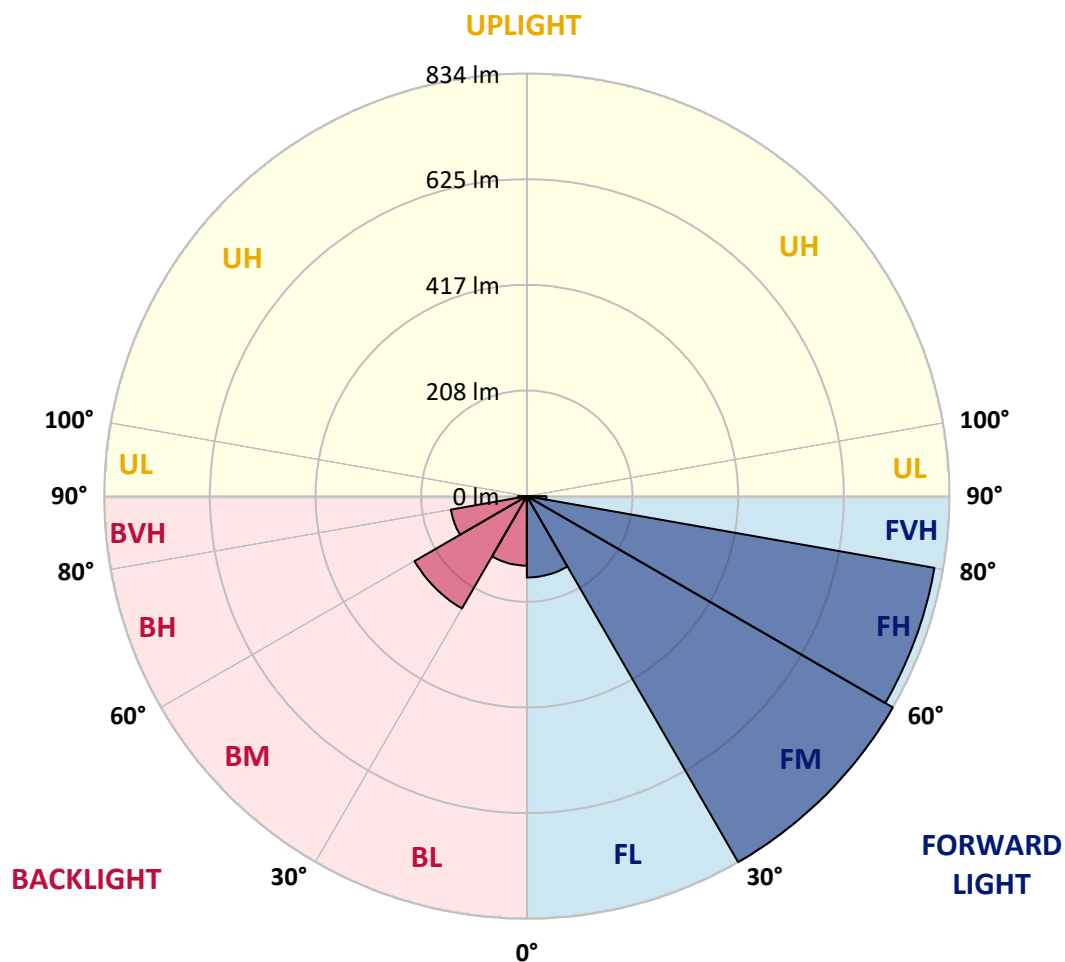
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.5	6.7			
FM	(30°-60°)	833.6	34.6			
FH	(60°-80°)	816.3	33.8			G1/1800
FVH	(80°-90°)	38.4	1.6			G1/100
BL	(0°-30°)	137.1	5.7	B1/500		
BM	(30°-60°)	255.9	10.6	B1/1000		
BH	(60°-80°)	152.3	6.3	B1/500		G1/500
BVH	(80°-90°)	18.0	0.7			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°	57°	65°	75°	85°
0°	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7
2.5°	279.4	280.3	282.1	281.2	281.2	278.5	282.9	283.8	282.1	282.9	284.7
5°	279.4	281.2	283.8	282.1	282.9	282.1	280.3	282.9	282.9	283.8	286.5
7.5°	294.4	293.5	293.5	290.9	290.0	289.1	290.0	290.0	288.2	289.1	289.1
10°	311.1	311.1	309.3	309.3	307.5	303.2	298.8	297.9	295.2	296.1	296.1
12.5°	328.6	330.4	332.2	326.9	325.1	318.1	315.5	310.2	310.2	308.4	307.5
15°	350.6	348.0	349.7	348.0	343.6	336.5	332.2	333.0	326.9	325.1	322.5
17.5°	369.9	370.8	368.2	366.4	358.5	353.2	354.1	353.2	345.3	342.7	338.3
20°	392.8	391.9	391.9	386.6	379.6	372.6	369.9	369.1	370.8	365.5	355.0
22.5°	416.5	413.0	413.0	408.6	398.9	394.5	392.8	389.3	391.0	386.6	370.8
25°	435.8	435.8	442.0	433.2	427.9	419.1	415.6	416.5	417.4	408.6	390.1
27.5°	461.3	456.9	463.1	458.7	456.0	446.4	442.0	444.6	442.9	433.2	407.7
30°	493.8	494.7	491.2	485.0	481.5	474.5	471.9	469.2	471.9	459.6	427.1
32.5°	534.3	536.9	528.1	521.1	514.9	507.9	502.6	500.0	502.6	484.2	442.0
35°	580.8	583.5	576.4	568.5	561.5	543.9	539.5	535.1	525.5	495.6	456.0
37.5°	623.9	620.4	618.6	618.6	605.4	579.9	577.3	574.7	556.2	518.4	475.4
40°	652.9	657.3	655.5	653.8	652.0	628.3	623.0	618.6	587.9	552.7	502.6
42.5°	685.4	682.8	689.8	692.4	686.3	679.2	658.1	643.2	616.0	587.9	543.0
45°	724.1	722.3	724.9	734.6	725.8	728.4	693.3	682.8	648.5	631.8	594.0
47.5°	758.3	762.7	775.9	778.5	771.5	783.8	734.6	717.9	695.9	682.8	646.7
50°	773.3	778.5	808.4	826.9	827.7	847.1	775.9	768.9	739.0	744.3	712.6
52.5°	761.0	777.7	813.7	862.0	891.9	911.2	830.4	826.9	799.6	816.3	784.7
55°	772.4	788.2	811.9	879.6	955.2	959.5	905.9	892.8	865.5	888.4	859.4
57.5°	777.7	768.9	813.7	898.9	1001.7	1013.1	978.0	968.3	947.2	969.2	952.5
60°	736.4	746.9	789.1	893.6	1004.4	1070.3	1058.8	1044.8	1025.4	1045.7	1036.0
62.5°	689.8	696.8	742.5	862.0	1019.3	1111.6	1137.0	1126.5	1099.3	1116.8	1133.5
65°	630.9	631.8	682.8	805.8	990.3	1135.3	1205.6	1204.7	1185.4	1181.0	1207.3
67.5°	558.9	565.9	606.3	746.0	950.8	1161.6	1273.2	1286.4	1247.8	1213.5	1223.2
70°	428.8	435.8	474.5	611.6	869.9	1153.7	1356.7	1363.7	1288.2	1201.2	1176.6
72.5°	223.2	224.9	264.5	369.1	616.9	1024.6	1387.5	1405.9	1298.7	1165.2	1049.2
75°	73.8	73.8	90.5	140.6	290.9	655.5	1256.5	1289.9	1246.9	1075.5	858.5
77.5°	43.9	44.8	53.6	70.3	116.0	261.9	885.7	944.6	1020.2	914.7	627.4
80°	31.6	32.5	40.4	48.3	69.4	84.4	444.6	526.3	626.5	588.7	334.8
82.5°	23.7	23.7	31.6	36.0	47.5	50.1	123.9	169.6	270.6	210.9	92.3
85°	24.6	24.6	24.6	25.5	32.5	29.0	51.8	55.4	79.1	69.4	25.5
87.5°	8.8	9.7	24.6	16.7	16.7	12.3	20.2	22.0	28.1	29.0	9.7
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°	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7
2.5°	285.6	285.6	286.5	286.5	288.2	290.0	292.6	290.9	290.9	291.7	290.9
5°	284.7	285.6	288.2	292.6	294.4	295.2	300.5	300.5	300.5	302.3	302.3
7.5°	288.2	290.0	294.4	298.8	299.6	302.3	309.3	311.1	315.5	317.2	318.1
10°	297.0	299.6	303.2	308.4	311.9	315.5	320.7	326.9	326.0	331.3	332.2
12.5°	310.2	309.3	315.5	320.7	324.2	329.5	331.3	331.3	331.3	331.3	333.0
15°	320.7	322.5	327.8	331.3	335.7	334.8	331.3	327.8	328.6	327.8	327.8
17.5°	336.5	336.5	340.9	341.8	343.6	334.8	329.5	329.5	332.2	332.2	330.4
20°	352.4	351.5	353.2	352.4	340.9	330.4	329.5	330.4	331.3	330.4	329.5
22.5°	367.3	365.5	362.9	359.4	339.2	329.5	327.8	323.4	319.0	319.0	316.3
25°	380.5	378.7	371.7	361.1	338.3	324.2	315.5	304.9	299.6	297.0	300.5
27.5°	392.8	389.3	379.6	361.1	330.4	310.2	293.5	280.3	275.9	272.4	275.9
30°	409.5	403.3	390.1	358.5	318.1	288.2	265.4	249.6	245.2	239.9	241.6
32.5°	424.4	410.4	398.9	350.6	302.3	263.6	237.3	221.4	213.5	209.1	212.6
35°	440.2	426.2	402.4	338.3	277.7	233.7	207.4	192.4	186.3	180.1	180.1
37.5°	456.0	448.1	407.7	315.5	247.8	205.6	181.9	170.5	159.9	148.5	148.5
40°	489.4	478.9	413.9	289.1	217.9	178.4	161.7	146.7	136.2	120.4	119.5
42.5°	524.6	501.7	413.9	257.5	191.6	159.0	143.2	127.4	108.1	98.4	99.3
45°	569.4	543.0	402.4	229.3	165.2	143.2	125.7	105.4	96.7	90.5	90.5
47.5°	625.6	584.3	388.4	198.6	144.1	129.2	107.2	94.9	88.7	83.5	82.6
50°	692.4	622.1	370.8	172.2	126.5	116.0	97.5	87.9	82.6	79.1	79.1
52.5°	762.7	677.5	358.5	148.5	112.5	98.4	90.5	84.4	80.0	77.3	76.4
55°	833.9	732.8	349.7	123.0	99.3	90.5	88.7	83.5	81.7	79.1	77.3
57.5°	913.9	778.5	348.0	105.4	88.7	87.0	90.5	86.1	83.5	80.8	78.2
60°	1000.0	840.0	332.2	91.4	83.5	85.2	87.9	83.5	81.7	79.1	77.3
62.5°	1085.2	885.7	289.1	80.8	78.2	80.0	83.5	80.0	77.3	78.2	79.1
65°	1120.3	889.2	224.1	72.9	72.1	72.9	78.2	77.3	74.7	80.0	80.0
67.5°	1085.2	857.6	158.2	65.9	65.9	70.3	79.1	80.8	78.2	85.2	84.4
70°	1005.2	779.4	107.2	61.5	63.3	74.7	81.7	80.0	76.4	85.2	83.5
72.5°	853.2	623.9	78.2	57.1	59.8	71.2	80.8	79.1	76.4	80.0	76.4
75°	640.6	443.7	61.5	51.8	52.7	64.1	83.5	79.1	72.1	70.3	67.7
77.5°	427.9	274.2	47.5	45.7	45.7	56.2	80.0	73.8	65.0	62.4	61.5
80°	203.9	109.8	37.8	38.7	39.5	48.3	72.9	65.9	58.9	55.4	55.4
82.5°	65.0	41.3	31.6	31.6	31.6	39.5	60.6	55.4	51.0	48.3	43.9
85°	22.8	22.8	27.2	28.1	25.5	29.0	50.1	47.5	42.2	35.1	34.3
87.5°	8.8	13.2	18.5	22.0	15.8	20.2	36.0	33.4	30.8	22.8	22.0
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)