

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: P671503

Luminaire Tested: **CCP-SA-1C-727-U-SL4**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671503
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-SL4
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL4
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3705.2 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

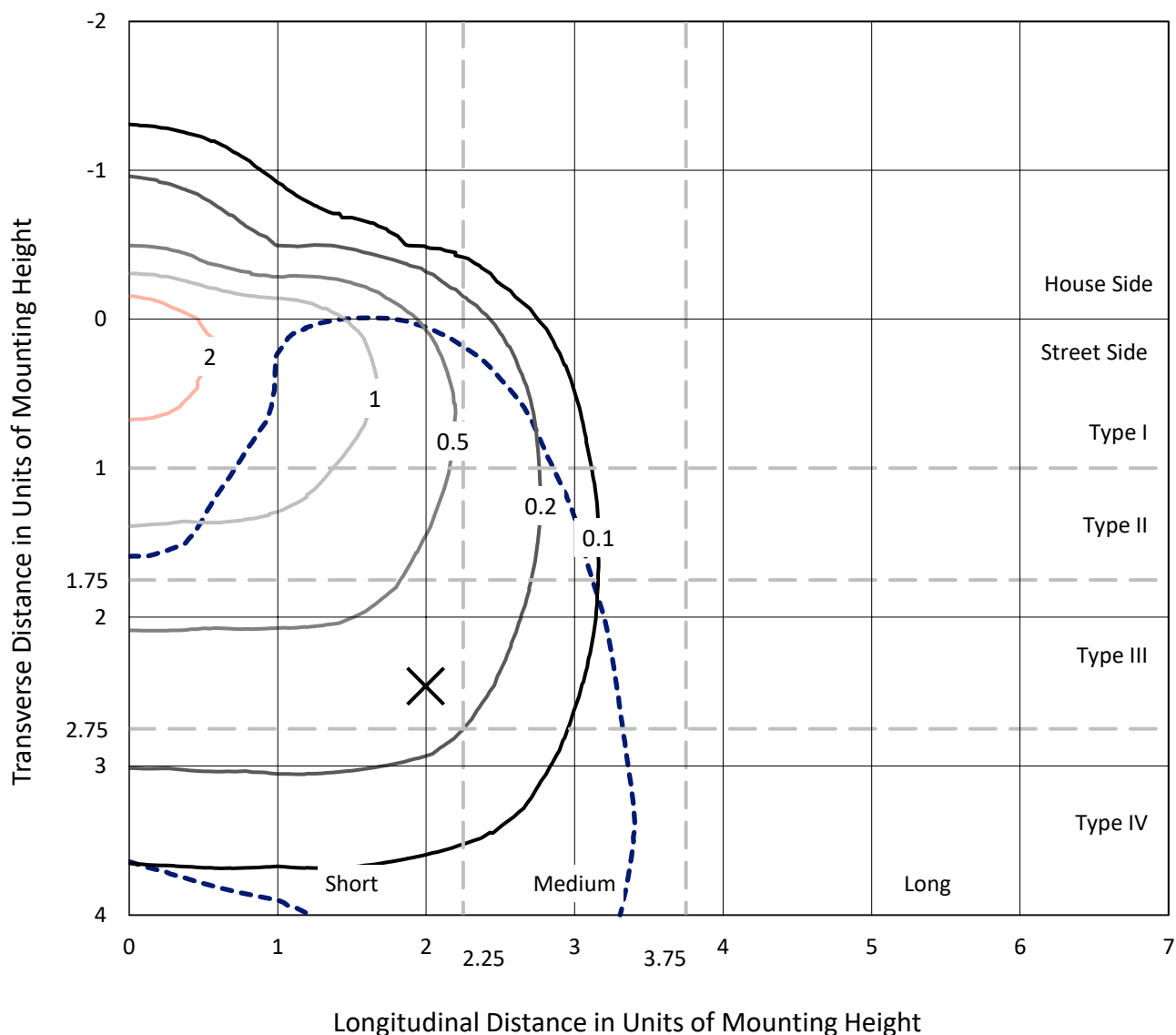
REPORT NUMBER: P671503

CATALOG NUMBER: CCP-SA-1C-727-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

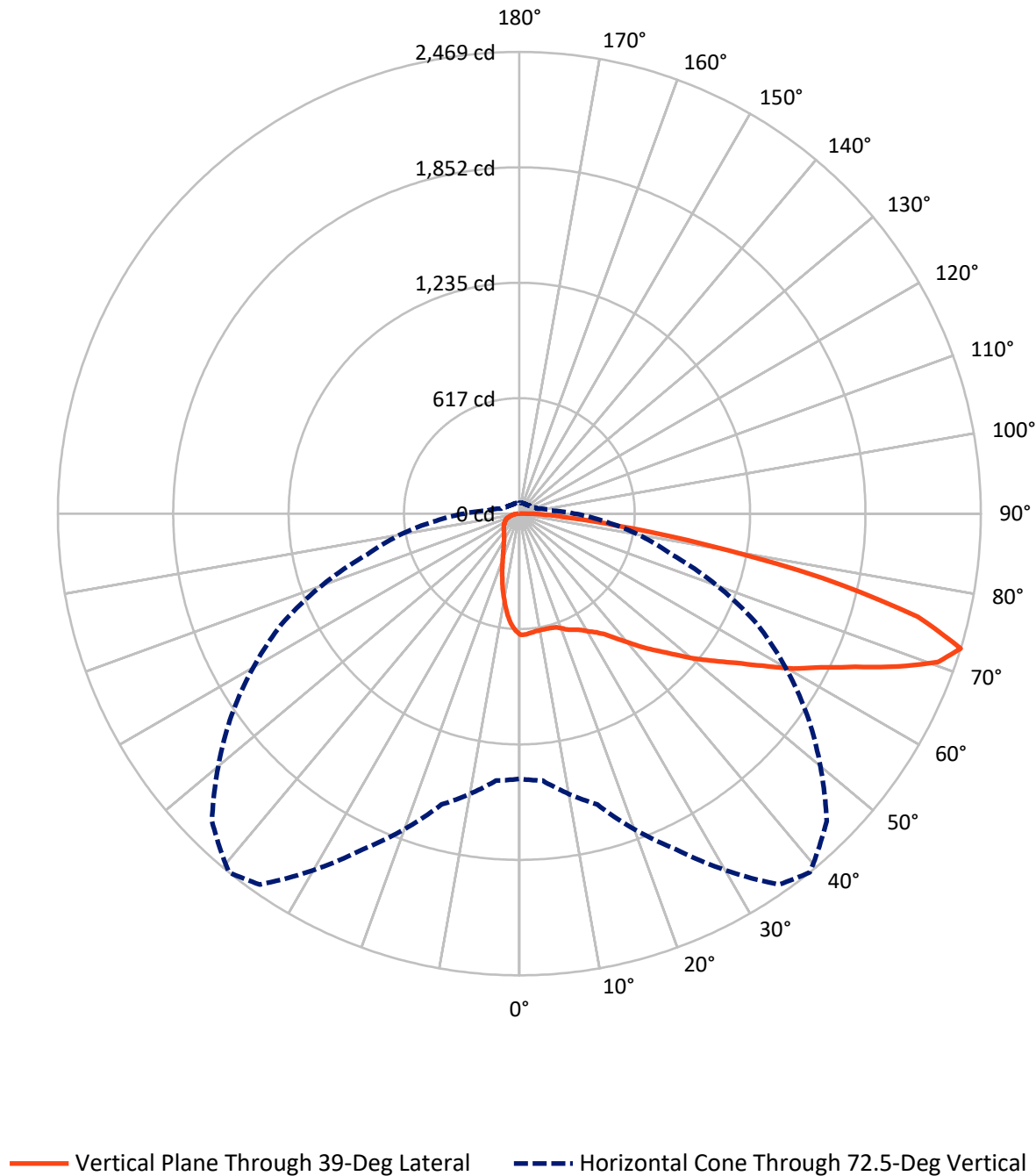


Based on 15 foot mounting height. Maximum calculated value = 2.9 fc

Type IV - Short - N/A

REPORT NUMBER: P671503
CATALOG NUMBER: CCP-SA-1C-727-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P671503

CATALOG NUMBER: CCP-SA-1C-727-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	550.7	0.0	550.7
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	3154.5	0.0	3154.5
	% Fixture	85.1	0.0	85.1
Total	Lumens	3705.2	0.0	3705.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.5
10°-20°	146.3	3.9
20°-30°	222.8	6.0
30°-40°	326.0	8.8
40°-50°	499.1	13.5
50°-60°	732.0	19.8
60°-70°	933.5	25.2
70°-80°	674.5	18.2
80°-90°	113.8	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°	3705.2	100.0
0°-180°	3705.2	100.0

Coefficient of Utilization



REPORT NUMBER: P671503

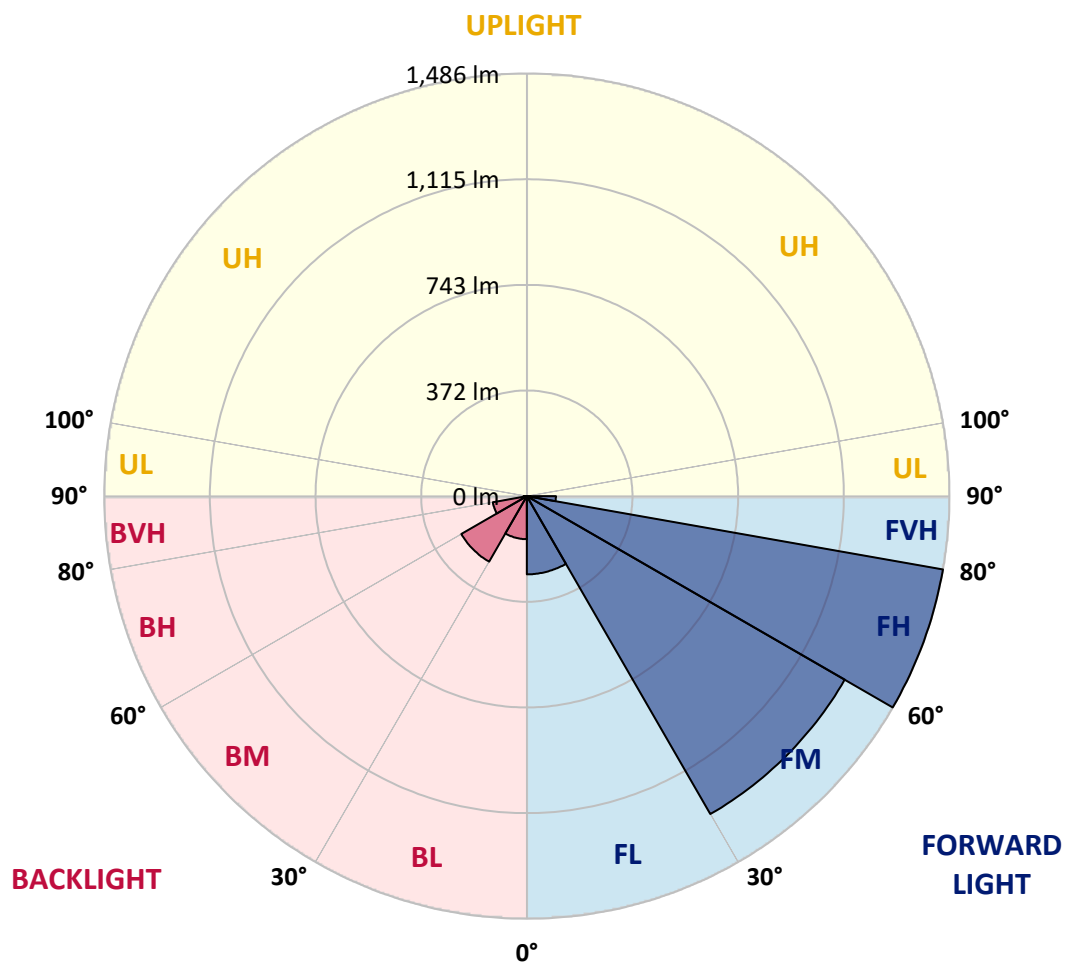
CATALOG NUMBER: CCP-SA-1C-727-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.0	7.4			
FM	(30°-60°)	1291.0	34.8			
FH	(60°-80°)	1486.3	40.1			G1/1800
FVH	(80°-90°)	102.2	2.8			G2/225
BL	(0°-30°)	151.4	4.1	B1/500		
BM	(30°-60°)	266.0	7.2	B1/1000		
BH	(60°-80°)	121.7	3.3	B1/500		G1/500
BVH	(80°-90°)	11.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P671503

CATALOG NUMBER: CCP-SA-1C-727-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6
2.5°	658.3	659.7	656.9	654.1	652.8	647.2	652.8	650.0	647.2	647.2	647.2
5°	650.0	651.4	651.4	648.6	650.0	640.2	638.8	640.2	636.0	633.3	631.9
7.5°	637.4	640.2	645.8	644.4	638.8	634.7	636.0	634.7	627.7	623.5	612.4
10°	627.7	630.5	633.3	636.0	634.7	633.3	631.9	626.3	624.9	615.2	604.0
12.5°	618.0	618.0	619.3	630.5	631.9	631.9	623.5	623.5	619.3	618.0	601.3
15°	608.2	612.4	623.5	626.3	631.9	634.7	630.5	630.5	623.5	613.8	601.3
17.5°	611.0	618.0	629.1	636.0	638.8	638.8	644.4	640.2	630.5	624.9	612.4
20°	624.9	626.3	640.2	652.8	655.5	655.5	650.0	645.8	638.8	629.1	612.4
22.5°	633.3	643.0	659.7	666.7	675.0	675.0	668.1	658.3	648.6	638.8	620.7
25°	669.5	670.8	677.8	688.9	693.1	687.5	680.6	669.5	656.9	647.2	630.5
27.5°	694.5	701.5	709.8	715.4	708.4	704.2	698.7	686.2	676.4	668.1	644.4
30°	740.4	732.1	737.7	740.4	727.9	730.7	715.4	704.2	693.1	693.1	666.7
32.5°	768.3	775.2	769.7	768.3	758.5	757.1	747.4	734.9	727.9	736.3	700.1
35°	817.0	812.8	812.8	811.4	800.3	793.3	793.3	771.1	778.0	796.1	751.6
37.5°	842.0	840.6	849.0	856.0	844.8	849.0	844.8	835.1	837.9	869.9	815.6
40°	867.1	876.8	893.5	896.3	903.3	908.8	906.1	904.7	915.8	967.3	901.9
42.5°	890.7	899.1	924.2	946.4	963.1	981.2	982.6	982.6	1018.8	1092.6	1006.3
45°	921.4	928.3	963.1	1007.7	1035.5	1048.0	1059.2	1071.7	1120.4	1208.1	1117.6
47.5°	963.1	968.7	1010.4	1066.1	1120.4	1127.4	1149.6	1163.5	1237.3	1326.4	1231.7
50°	1023.0	1018.8	1052.2	1132.9	1185.8	1219.2	1251.2	1276.3	1348.6	1446.1	1320.8
52.5°	1071.7	1071.7	1096.7	1203.9	1276.3	1308.3	1341.7	1376.5	1460.0	1565.8	1393.2
55°	1155.2	1146.8	1162.1	1273.5	1377.9	1408.5	1472.5	1501.7	1582.5	1654.8	1454.4
57.5°	1212.3	1216.4	1234.5	1365.3	1497.6	1535.1	1599.2	1620.0	1691.0	1748.1	1499.0
60°	1287.4	1273.5	1312.5	1467.0	1629.8	1682.7	1735.6	1748.1	1801.0	1807.9	1519.8
62.5°	1359.8	1357.0	1390.4	1568.6	1771.8	1809.3	1863.6	1877.5	1899.8	1855.3	1490.6
65°	1404.3	1422.4	1485.0	1679.9	1933.2	1975.0	2029.2	2001.4	1976.3	1813.5	1347.3
67.5°	1465.6	1473.9	1569.9	1801.0	2119.7	2182.3	2229.7	2119.7	1933.2	1642.3	1134.3
70°	1479.5	1501.7	1627.0	1927.6	2311.8	2375.8	2378.6	2079.3	1775.9	1336.1	822.5
72.5°	1418.2	1433.5	1610.3	1980.5	2421.7	2469.0	2325.7	1880.3	1407.1	842.0	448.2
75°	1192.8	1235.9	1401.5	1817.7	2219.9	2201.8	1970.8	1434.9	844.8	373.0	189.3
77.5°	830.9	832.3	1004.9	1322.2	1661.8	1657.6	1405.7	832.3	361.9	150.3	111.3
80°	368.8	395.3	499.7	712.6	1009.1	1009.1	819.8	413.4	180.9	97.4	76.5
82.5°	217.1	225.5	267.2	332.6	491.3	517.7	392.5	275.6	123.9	61.2	47.3
85°	160.1	174.0	199.0	200.4	232.4	236.6	217.1	239.4	84.9	33.4	39.0
87.5°	119.7	128.0	158.7	132.2	123.9	116.9	133.6	245.0	32.0	16.7	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671503

CATALOG NUMBER: CCP-SA-1C-727-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6	648.6
2.5°	641.6	641.6	638.8	633.3	633.3	622.1	624.9	627.7	620.7	620.7	622.1
5°	631.9	626.3	619.3	611.0	605.4	590.1	587.3	577.6	576.2	573.4	569.2
7.5°	612.4	604.0	591.5	579.0	560.9	547.0	530.3	516.4	510.8	506.6	505.2
10°	594.3	592.9	572.0	547.0	519.1	492.7	467.6	449.5	438.4	431.5	430.1
12.5°	594.3	583.2	553.9	519.1	478.8	439.8	407.8	382.7	367.4	356.3	352.1
15°	591.5	580.4	541.4	488.5	442.6	389.7	345.2	318.7	296.5	285.3	286.7
17.5°	594.3	577.6	523.3	466.3	402.2	345.2	292.3	260.3	238.0	229.6	228.3
20°	595.7	574.8	509.4	435.6	360.5	296.5	246.3	215.7	199.0	193.5	193.5
22.5°	592.9	566.5	488.5	399.4	324.3	256.1	214.3	187.9	176.8	169.8	172.6
25°	605.4	565.1	469.0	368.8	282.5	222.7	190.7	171.2	164.2	160.1	161.4
27.5°	608.2	565.1	453.7	334.0	246.3	197.6	172.6	160.1	154.5	151.7	150.3
30°	619.3	567.9	435.6	299.2	217.1	178.1	158.7	151.7	147.5	146.1	146.1
32.5°	650.0	576.2	416.1	270.0	192.1	161.4	148.9	143.4	140.6	139.2	140.6
35°	686.2	598.5	395.3	239.4	174.0	150.3	140.6	136.4	135.0	135.0	135.0
37.5°	741.8	631.9	377.2	214.3	158.7	139.2	132.2	130.8	129.4	130.8	130.8
40°	805.8	668.1	360.5	194.9	147.5	132.2	125.3	125.3	123.9	125.3	126.7
42.5°	879.6	712.6	343.8	175.4	137.8	126.7	121.1	119.7	118.3	121.1	122.5
45°	981.2	773.8	332.6	164.2	130.8	121.1	115.5	115.5	114.1	114.1	116.9
47.5°	1066.1	832.3	332.6	153.1	126.7	116.9	111.3	111.3	108.6	110.0	110.0
50°	1137.1	882.4	339.6	150.3	121.1	112.7	108.6	105.8	104.4	104.4	104.4
52.5°	1184.4	913.0	345.2	147.5	118.3	107.2	104.4	103.0	100.2	98.8	100.2
55°	1231.7	933.9	346.6	147.5	114.1	101.6	98.8	98.8	96.0	94.6	94.6
57.5°	1249.8	925.5	327.1	144.7	111.3	97.4	94.6	93.3	91.9	90.5	90.5
60°	1241.5	894.9	283.9	137.8	108.6	94.6	89.1	89.1	89.1	86.3	87.7
62.5°	1184.4	790.5	228.3	126.7	104.4	89.1	83.5	86.3	86.3	84.9	84.9
65°	1034.1	652.8	185.1	116.9	98.8	84.9	79.3	83.5	84.9	83.5	82.1
67.5°	826.7	502.4	153.1	105.8	91.9	77.9	73.8	77.9	79.3	77.9	77.9
70°	567.9	324.3	123.9	94.6	82.1	71.0	66.8	69.6	69.6	71.0	71.0
72.5°	293.7	175.4	101.6	80.7	71.0	64.0	59.8	59.8	58.5	58.5	58.5
75°	146.1	119.7	84.9	68.2	59.8	54.3	51.5	48.7	48.7	48.7	48.7
77.5°	101.6	91.9	69.6	54.3	48.7	44.5	44.5	40.4	40.4	40.4	40.4
80°	76.5	72.4	52.9	41.8	37.6	34.8	34.8	33.4	33.4	32.0	32.0
82.5°	54.3	58.5	40.4	30.6	27.8	26.4	26.4	25.1	25.1	22.3	22.3
85°	43.1	48.7	30.6	22.3	20.9	18.1	18.1	16.7	16.7	15.3	13.9
87.5°	12.5	26.4	12.5	8.4	8.4	8.4	8.4	7.0	7.0	5.6	5.6
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)