

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: P671072

Luminaire Tested: **CCP-SA-1D-727-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671072
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4705.1 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

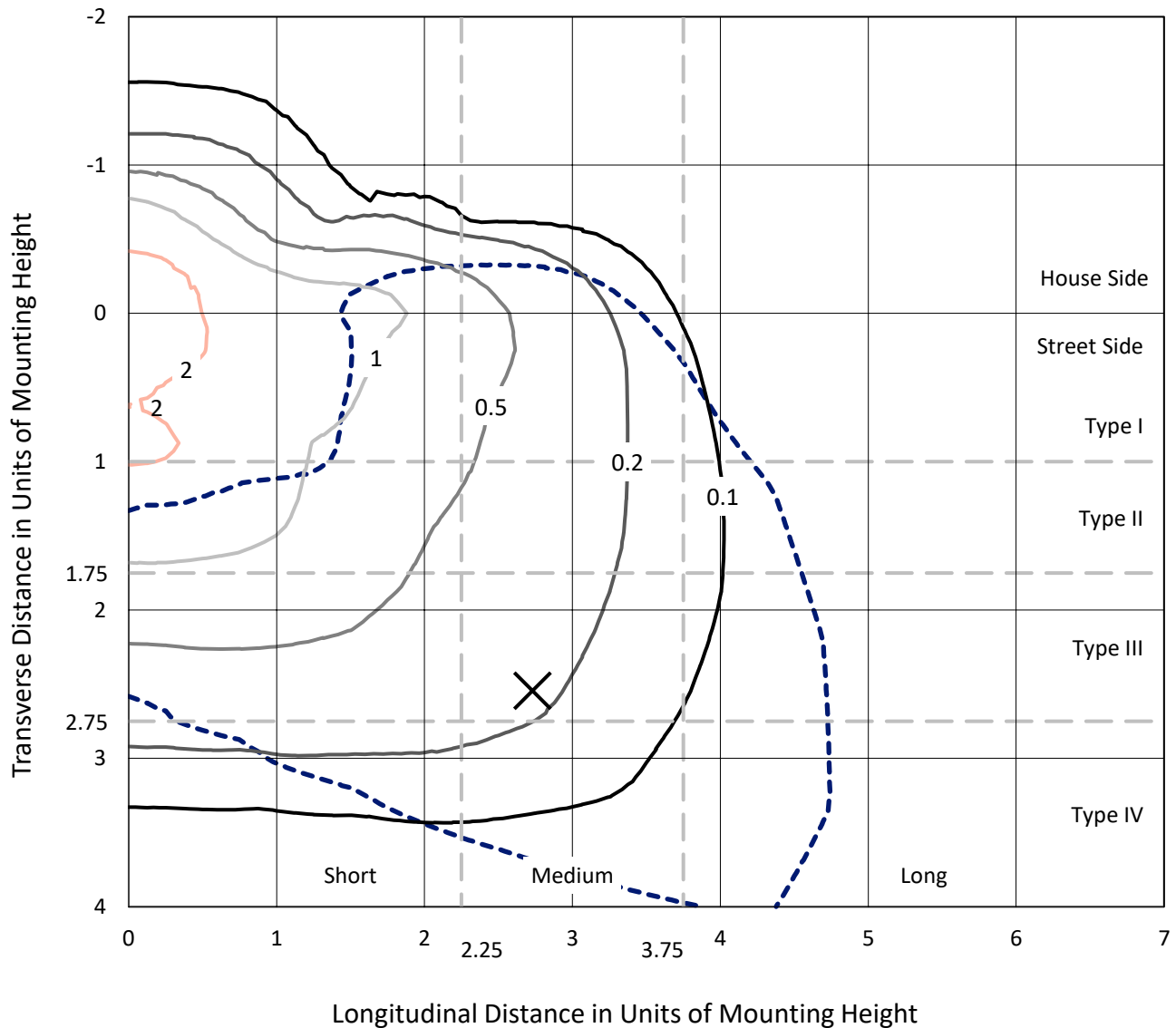
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671072

CATALOG NUMBER: CCP-SA-1D-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

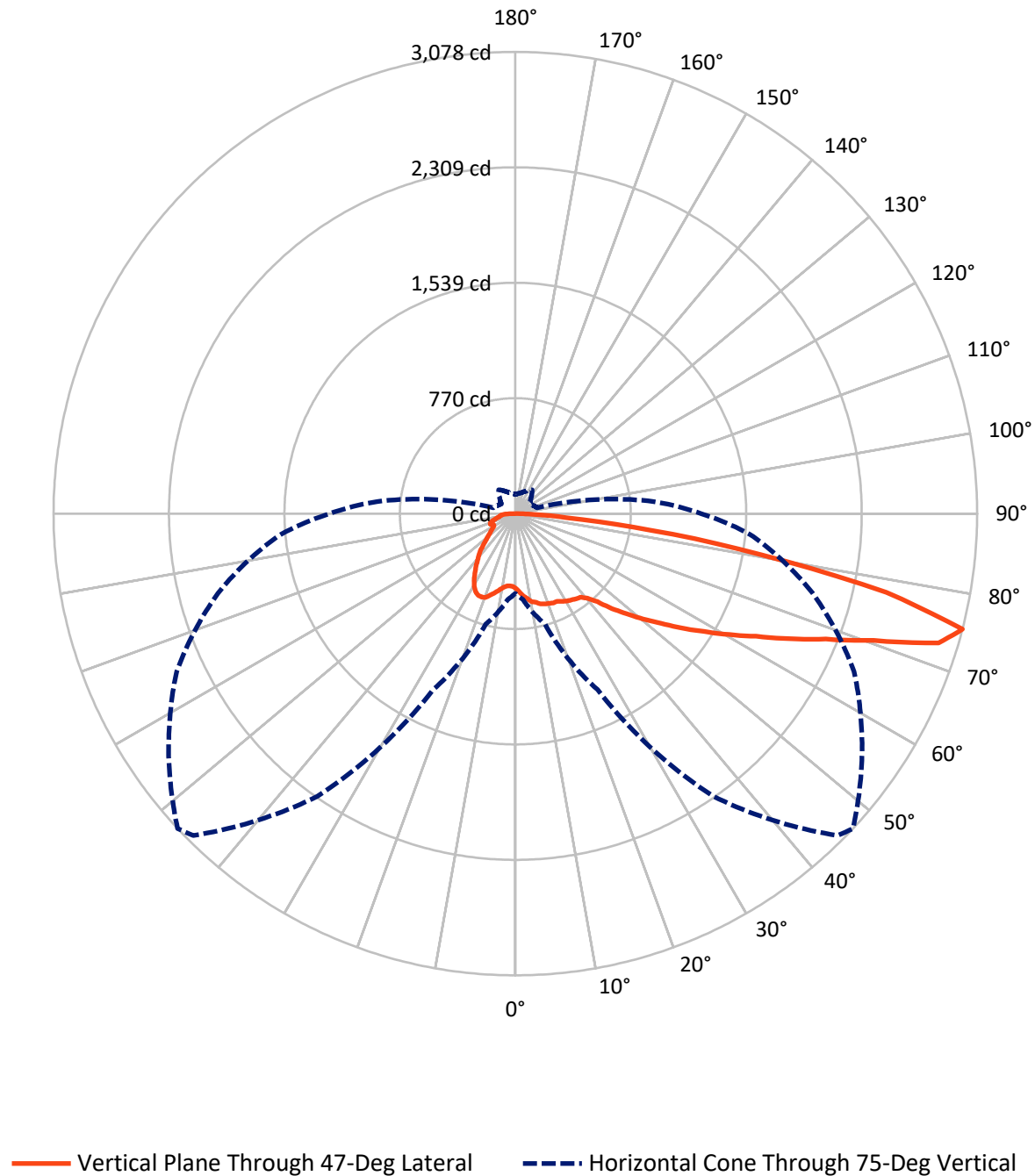
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P671072
CATALOG NUMBER: CCP-SA-1D-727-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P671072

CATALOG NUMBER: CCP-SA-1D-727-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1125.2	0.0	1125.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3579.9	0.0	3579.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	4705.1	0.0	4705.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.1
10°-20°	167.7	3.6
20°-30°	287.3	6.1
30°-40°	401.9	8.5
40°-50°	560.4	11.9
50°-60°	837.7	17.8
60°-70°	1207.7	25.7
70°-80°	1028.1	21.8
80°-90°	163.8	3.5
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°	4705.1	100.0
0°-180°	4705.1	100.0

Coefficient of Utilization



REPORT NUMBER: P671072

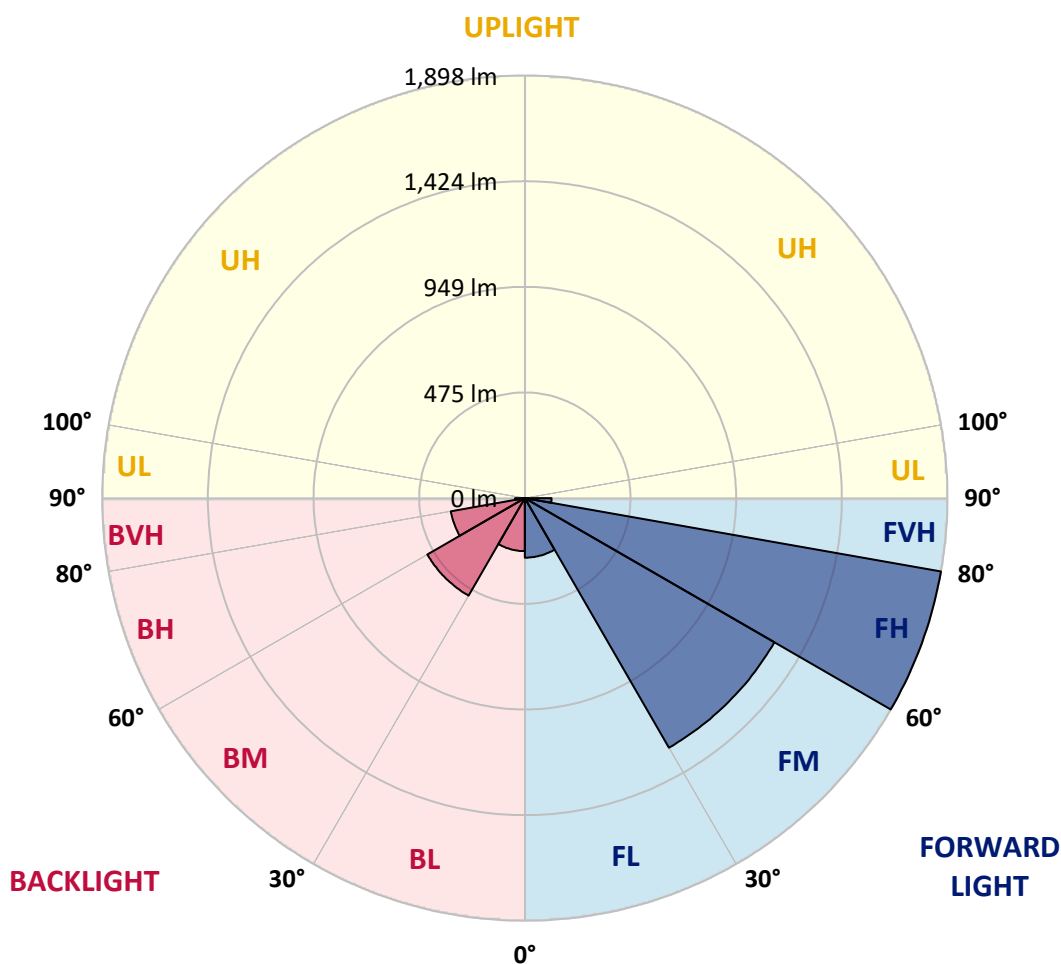
CATALOG NUMBER: CCP-SA-1D-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.3	5.7			
FM	(30°-60°)	1294.3	27.5			
FH	(60°-80°)	1898.2	40.3			G2/5000
FVH	(80°-90°)	120.0	2.6			G2/225
BL	(0°-30°)	238.2	5.1	B1/500		
BM	(30°-60°)	505.7	10.7	B1/1000		
BH	(60°-80°)	337.6	7.2	B1/500		G1/500
BVH	(80°-90°)	43.8	0.9			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 Medium





REPORT NUMBER: P671072

CATALOG NUMBER: CCP-SA-1D-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	535.6	537.4	537.4	533.9	530.5	523.6	523.6	516.8	513.3	504.7	501.3
5°	585.4	580.3	575.1	573.4	564.8	552.8	551.1	544.2	525.3	516.8	504.7
7.5°	621.5	619.8	618.0	611.2	595.7	576.8	571.7	561.4	542.5	525.3	511.6
10°	650.7	657.5	650.7	635.2	619.8	599.2	597.4	578.6	561.4	540.8	523.6
12.5°	683.3	685.0	673.0	654.1	630.1	612.9	606.0	599.2	580.3	563.1	537.4
15°	705.6	702.2	693.6	667.8	640.4	623.2	624.9	616.3	595.7	583.7	556.2
17.5°	705.6	705.6	691.9	673.0	648.9	633.5	633.5	628.3	614.6	597.4	578.6
20°	691.9	691.9	683.3	673.0	645.5	642.1	638.6	635.2	635.2	619.8	592.3
22.5°	674.7	671.3	674.7	657.5	638.6	642.1	647.2	645.5	640.4	626.6	607.7
25°	657.5	659.2	662.7	650.7	633.5	648.9	647.2	655.8	652.4	642.1	626.6
27.5°	655.8	659.2	661.0	648.9	642.1	655.8	662.7	671.3	673.0	662.7	643.8
30°	681.6	679.8	678.1	662.7	657.5	669.5	676.4	688.4	698.7	676.4	661.0
32.5°	748.5	738.2	727.9	686.7	671.3	679.8	686.7	703.9	705.6	693.6	671.3
35°	855.0	848.1	813.8	741.6	698.7	690.1	697.0	709.0	712.5	703.9	686.7
37.5°	976.8	973.4	925.3	837.8	755.4	714.2	707.3	724.5	738.2	719.3	695.3
40°	1097.0	1083.3	1049.0	963.1	827.5	750.2	741.6	750.2	755.4	741.6	726.2
42.5°	1205.2	1189.7	1181.1	1095.3	921.9	810.3	803.5	782.9	798.3	781.1	760.5
45°	1296.2	1292.7	1289.3	1215.5	1030.1	908.2	903.0	849.8	867.0	853.2	824.1
47.5°	1361.4	1376.9	1371.7	1330.5	1153.7	1012.9	997.4	928.8	954.5	940.8	911.6
50°	1438.7	1447.2	1442.1	1414.6	1268.7	1133.1	1103.9	1033.5	1062.7	1061.0	1045.5
52.5°	1507.3	1533.1	1503.9	1502.2	1433.5	1263.6	1213.8	1146.8	1194.9	1213.8	1212.0
55°	1588.0	1608.6	1600.0	1596.6	1581.2	1390.6	1346.0	1265.3	1346.0	1373.4	1397.5
57.5°	1656.7	1655.0	1687.6	1727.1	1746.0	1536.5	1483.3	1388.9	1510.8	1541.7	1608.6
60°	1687.6	1716.8	1771.7	1871.3	1924.5	1692.7	1637.8	1562.3	1677.3	1701.3	1824.9
62.5°	1708.2	1733.9	1840.4	2008.6	2039.5	1852.4	1800.9	1725.4	1859.3	1876.4	2060.1
65°	1651.5	1675.6	1886.7	2060.1	2170.0	2024.1	2012.1	1933.1	2041.3	2051.6	2307.4
67.5°	1586.3	1612.1	1847.3	2125.4	2343.4	2252.4	2233.5	2139.1	2221.5	2209.5	2496.2
70°	1471.3	1505.6	1746.0	2182.0	2535.7	2571.7	2534.0	2400.1	2408.6	2295.3	2504.8
72.5°	1121.1	1143.4	1366.6	1957.1	2625.0	3014.7	2949.4	2681.6	2583.8	2312.5	2211.2
75°	532.2	573.4	762.3	1294.5	2300.5	3035.3	3078.2	2820.7	2491.0	2051.6	1567.4
77.5°	154.5	154.5	231.8	549.4	1442.1	2446.4	2527.1	2394.9	2055.0	1519.4	824.1
80°	84.1	89.3	121.9	194.0	633.5	1543.4	1660.1	1588.0	1210.3	600.9	212.9
82.5°	48.1	49.8	80.7	116.7	288.4	839.5	908.2	824.1	460.1	182.0	99.6
85°	27.5	29.2	46.4	77.3	171.7	309.0	336.5	291.9	185.4	121.9	49.8
87.5°	13.7	13.7	22.3	36.1	87.6	87.6	85.8	104.7	111.6	73.8	22.3
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: P671072

CATALOG NUMBER: CCP-SA-1D-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	499.6	497.9	497.9	491.0	489.3	484.1	484.1	480.7	479.0	484.1	484.1
5°	501.3	492.7	491.0	484.1	485.8	482.4	489.3	485.8	484.1	484.1	482.4
7.5°	504.7	496.1	489.3	484.1	482.4	487.6	496.1	496.1	506.5	501.3	501.3
10°	513.3	508.2	499.6	496.1	496.1	501.3	511.6	518.5	527.1	527.1	521.9
12.5°	533.9	525.3	515.0	509.9	516.8	521.9	532.2	539.1	549.4	552.8	549.4
15°	549.4	540.8	537.4	533.9	539.1	545.9	554.5	561.4	573.4	576.8	575.1
17.5°	570.0	559.7	558.0	559.7	563.1	568.3	573.4	578.6	587.1	587.1	587.1
20°	580.3	576.8	575.1	580.3	587.1	594.0	590.6	587.1	585.4	588.9	587.1
22.5°	599.2	595.7	597.4	602.6	602.6	599.2	594.0	582.0	578.6	582.0	578.6
25°	616.3	612.9	612.9	609.5	607.7	595.7	585.4	575.1	563.1	568.3	566.5
27.5°	633.5	631.8	631.8	618.0	600.9	580.3	566.5	554.5	547.7	556.2	551.1
30°	654.1	655.8	647.2	614.6	573.4	551.1	535.6	533.9	532.2	537.4	535.6
32.5°	673.0	674.7	661.0	609.5	552.8	509.9	494.4	496.1	504.7	513.3	521.9
35°	683.3	691.9	674.7	592.3	511.6	463.5	446.4	461.8	477.3	489.3	497.9
37.5°	702.2	724.5	695.3	573.4	475.5	422.3	410.3	415.5	434.3	453.2	461.8
40°	729.6	755.4	700.4	537.4	427.5	381.1	374.3	376.0	382.8	394.9	403.4
42.5°	777.7	805.2	705.6	491.0	379.4	355.4	336.5	331.3	326.2	326.2	324.5
45°	848.1	873.8	698.7	432.6	331.3	314.2	300.4	288.4	274.7	252.4	255.8
47.5°	951.1	971.7	703.9	381.1	286.7	273.0	262.7	248.9	228.3	204.3	202.6
50°	1107.3	1076.4	697.0	327.9	254.1	242.1	233.5	214.6	190.6	173.4	171.7
52.5°	1289.3	1227.5	690.1	283.3	226.6	216.3	209.4	188.8	166.5	157.9	156.2
55°	1509.0	1419.8	700.4	243.8	206.0	197.4	190.6	171.7	154.5	147.6	145.9
57.5°	1768.3	1627.5	757.1	212.9	183.7	180.3	178.5	163.1	147.6	142.5	140.8
60°	2012.1	1826.7	794.9	190.6	163.1	166.5	170.0	163.1	145.9	142.5	142.5
62.5°	2216.4	1991.5	734.8	171.7	152.8	163.1	178.5	173.4	166.5	170.0	166.5
65°	2396.6	2048.1	549.4	161.4	147.6	171.7	197.4	195.7	180.3	183.7	182.0
67.5°	2427.5	1979.4	358.8	152.8	144.2	188.8	221.5	200.9	170.0	170.0	164.8
70°	2298.8	1795.8	240.3	144.2	142.5	188.8	226.6	188.8	159.7	159.7	152.8
72.5°	1886.7	1435.2	185.4	135.6	130.5	168.2	214.6	178.5	149.4	145.9	133.9
75°	1239.5	925.3	151.1	128.8	113.3	147.6	194.0	164.8	142.5	132.2	127.0
77.5°	607.7	415.5	127.0	113.3	97.9	128.8	176.8	156.2	133.9	123.6	120.2
80°	166.5	149.4	106.4	99.6	82.4	111.6	166.5	149.4	125.3	115.0	109.9
82.5°	94.4	92.7	85.8	80.7	68.7	111.6	168.2	149.4	118.5	116.7	99.6
85°	51.5	54.9	61.8	60.1	53.2	99.6	159.7	130.5	96.1	80.7	80.7
87.5°	20.6	25.8	30.9	34.3	36.1	73.8	120.2	99.6	73.8	61.8	61.8
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)