

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: P670731

Luminaire Tested: **CCP-SA-2A-835-U-T2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670731
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-835-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4497.4 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

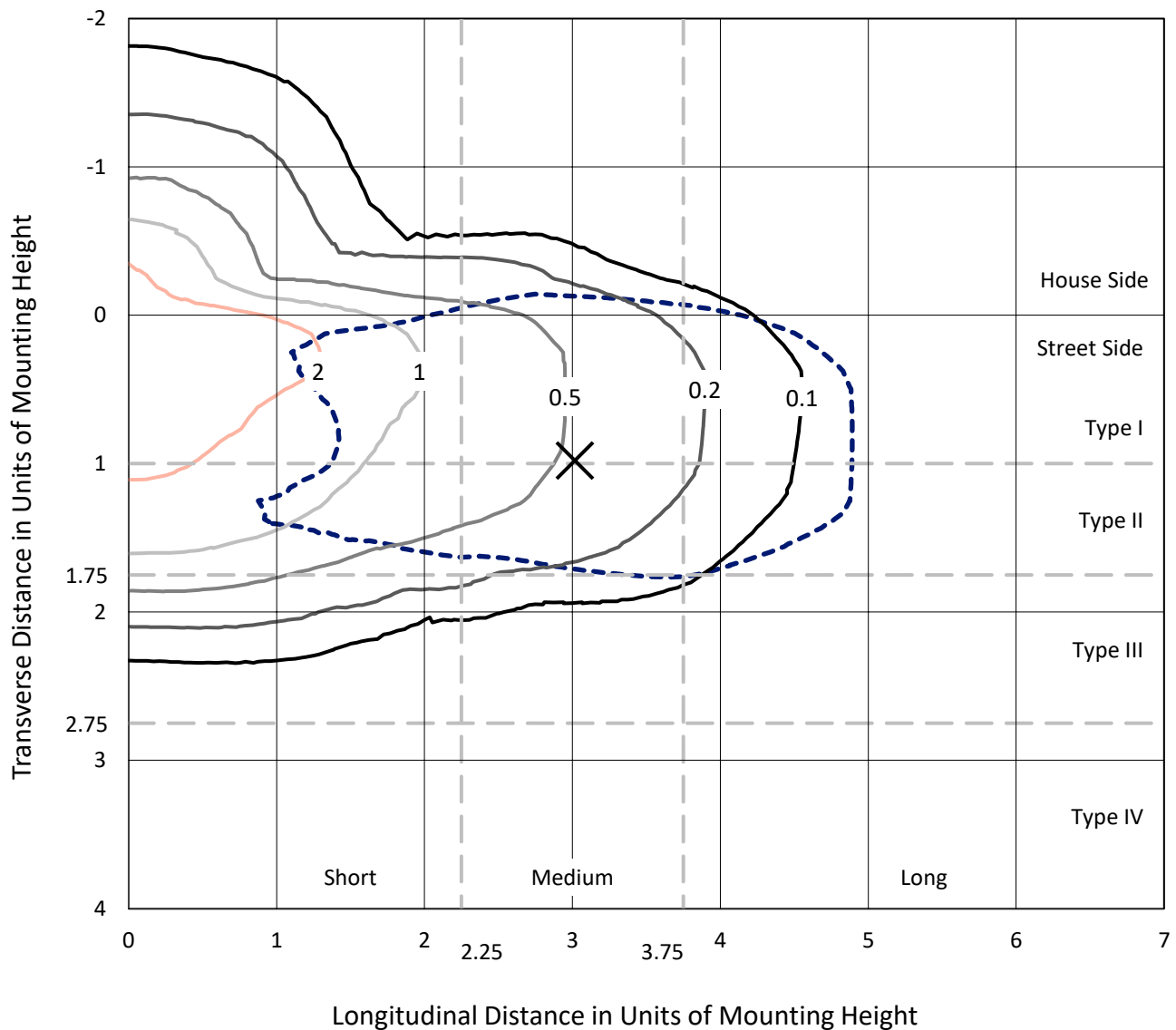
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

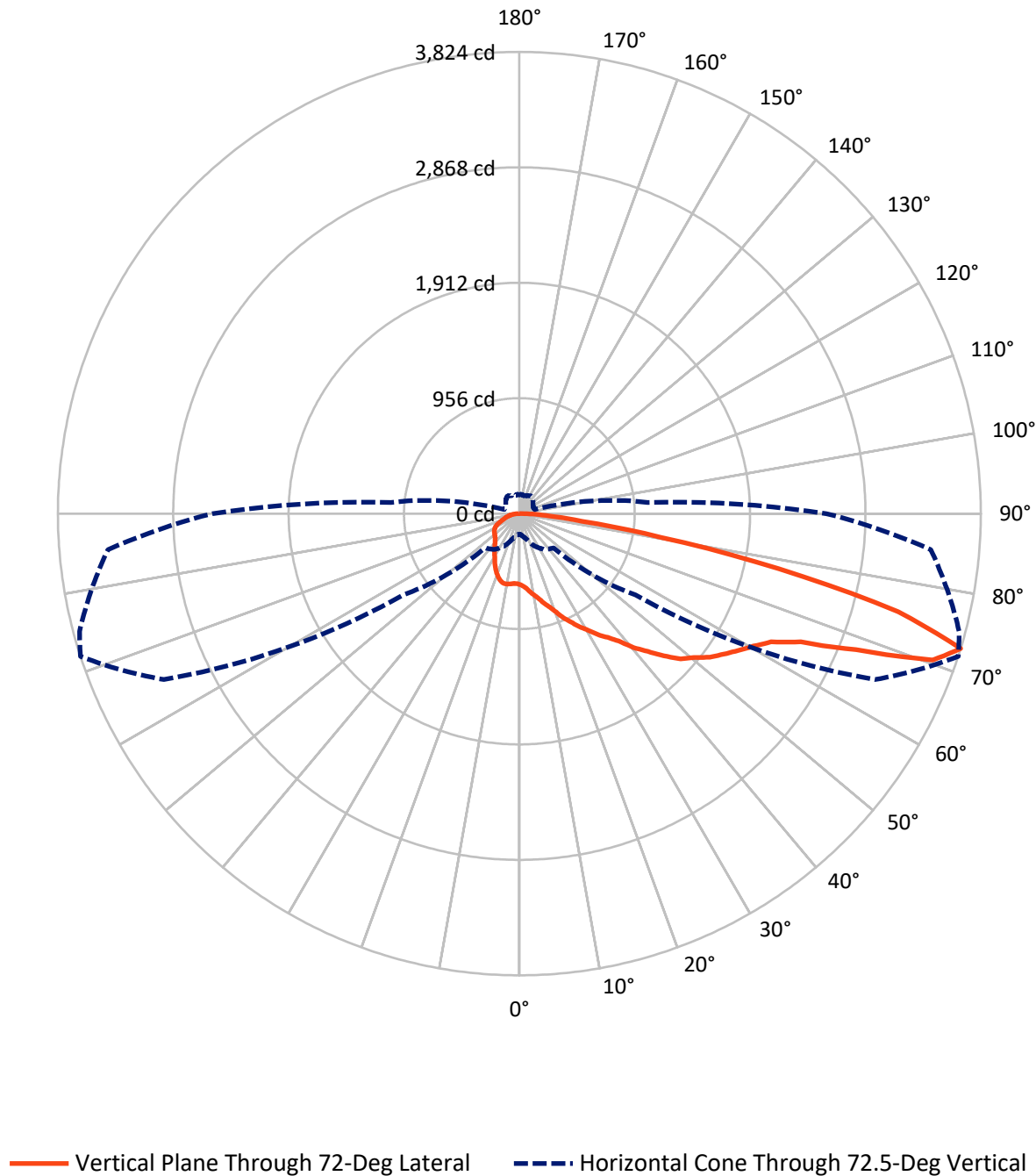
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	946.5	0.0	946.5
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3550.9	0.0	3550.9
	% Fixture	79.0	0.0	79.0
Total	Lumens	4497.4	0.0	4497.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.3
10°-20°	180.5	4.0
20°-30°	312.3	6.9
30°-40°	461.3	10.3
40°-50°	686.0	15.3
50°-60°	940.4	20.9
60°-70°	1020.1	22.7
70°-80°	719.2	16.0
80°-90°	119.5	2.7
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°	4497.4	100.0
0°-180°	4497.4	100.0

Coefficient of Utilization



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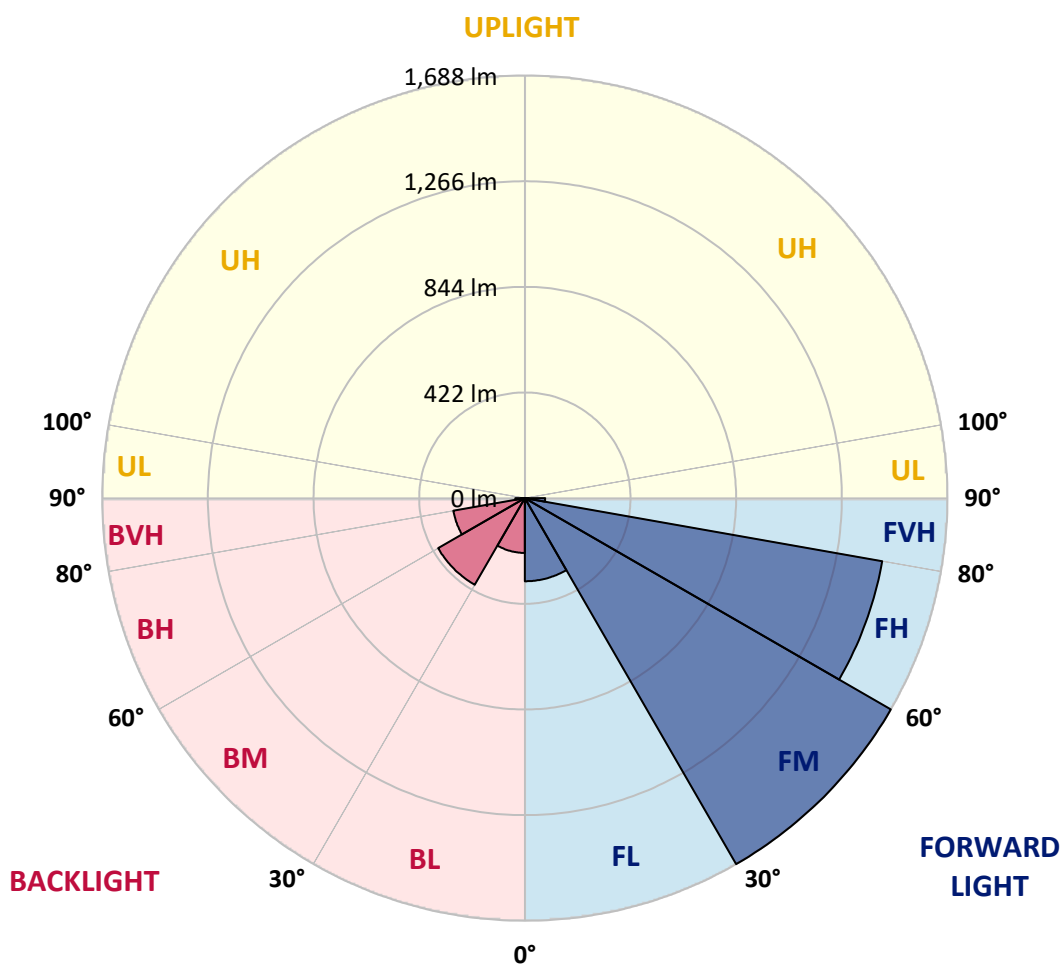
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.1	7.4			
FM	(30°-60°)	1688.0	37.5			
FH	(60°-80°)	1449.4	32.2			G1/1800
FVH	(80°-90°)	81.5	1.8			G1/100
BL	(0°-30°)	218.8	4.9	B1/500		
BM	(30°-60°)	399.8	8.9	B1/1000		
BH	(60°-80°)	289.9	6.4	B1/500		G1/500
BVH	(80°-90°)	38.0	0.8			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5
2.5°	633.9	633.9	629.0	627.3	627.3	614.0	615.7	607.4	600.8	600.8	594.1
5°	667.1	663.8	663.8	663.8	655.5	650.5	648.9	633.9	622.3	624.0	604.1
7.5°	675.4	677.1	678.8	687.1	682.1	685.4	682.1	665.5	657.2	648.9	630.6
10°	680.4	683.7	683.7	695.4	695.4	703.7	708.6	702.0	687.1	678.8	648.9
12.5°	692.0	687.1	693.7	702.0	710.3	725.2	740.2	733.5	723.6	713.6	680.4
15°	692.0	693.7	698.7	711.9	725.2	740.2	766.7	776.7	771.7	753.4	718.6
17.5°	672.1	667.1	690.4	715.3	740.2	758.4	793.3	816.5	813.2	806.5	753.4
20°	673.8	678.8	687.1	708.6	748.5	781.7	824.8	863.0	871.3	867.9	799.9
22.5°	703.7	705.3	713.6	723.6	755.1	798.2	863.0	924.4	939.3	931.0	851.4
25°	733.5	746.8	746.8	753.4	765.1	809.9	887.9	974.2	995.7	997.4	904.5
27.5°	781.7	785.0	794.9	798.2	808.2	834.8	916.1	1010.7	1060.5	1053.8	952.6
30°	838.1	839.7	846.4	843.1	844.7	877.9	942.6	1052.2	1120.2	1121.9	1004.0
32.5°	904.5	917.7	921.1	899.5	902.8	911.1	984.1	1101.9	1194.9	1183.3	1048.8
35°	1002.4	1007.3	997.4	987.4	962.5	957.6	1027.3	1151.7	1259.6	1272.9	1115.2
37.5°	1123.5	1136.8	1123.5	1070.4	1043.9	1023.9	1080.4	1206.5	1337.6	1382.4	1181.6
40°	1236.4	1234.7	1221.4	1173.3	1126.8	1111.9	1156.7	1282.8	1458.7	1501.9	1277.9
42.5°	1327.6	1322.7	1314.4	1277.9	1234.7	1209.8	1244.7	1362.5	1560.0	1643.0	1389.0
45°	1407.3	1400.7	1402.3	1360.8	1319.3	1332.6	1332.6	1453.8	1679.5	1782.4	1516.8
47.5°	1482.0	1485.3	1480.3	1448.8	1417.3	1452.1	1433.9	1558.3	1797.3	1911.8	1624.7
50°	1568.3	1574.9	1558.3	1538.4	1510.2	1545.0	1521.8	1656.2	1873.6	2029.6	1754.1
52.5°	1649.6	1656.2	1671.2	1646.3	1618.1	1646.3	1593.2	1747.5	1974.9	2144.1	1853.7
55°	1669.5	1666.2	1749.2	1775.7	1790.7	1706.0	1656.2	1825.5	2054.5	2217.2	1966.6
57.5°	1578.2	1586.5	1699.4	1775.7	1935.0	1862.0	1727.6	1916.8	2137.5	2313.4	2071.1
60°	1350.9	1355.9	1496.9	1677.8	1910.1	2008.1	1920.1	2034.6	2228.8	2394.7	2189.0
62.5°	902.8	941.0	1116.9	1400.7	1734.2	2047.9	2227.1	2233.8	2340.0	2497.6	2349.9
65°	476.3	494.5	632.3	861.3	1314.4	1910.1	2515.9	2628.7	2562.4	2686.8	2582.3
67.5°	312.0	318.6	393.3	522.8	758.4	1394.0	2549.1	3314.1	3008.8	3046.9	2954.0
70°	232.3	235.7	290.4	386.7	469.7	745.1	2089.4	3634.4	3632.8	3531.5	3395.4
72.5°	170.9	175.9	214.1	295.4	361.8	401.6	1175.0	3251.1	3823.6	3772.2	3422.0
75°	134.4	137.7	157.7	229.0	292.1	263.9	595.8	2408.0	3242.8	3490.0	3131.6
77.5°	109.5	112.8	124.5	166.0	234.0	204.1	285.4	1553.3	2198.9	2512.6	2396.4
80°	91.3	91.3	99.6	117.8	180.9	154.3	169.3	872.9	1184.9	1307.7	1087.0
82.5°	78.0	76.3	83.0	86.3	134.4	111.2	109.5	395.0	521.1	552.6	408.3
85°	49.8	51.4	78.0	74.7	88.0	76.3	61.4	187.5	245.6	250.6	152.7
87.5°	19.9	19.9	33.2	41.5	49.8	46.5	29.9	84.6	107.9	107.9	43.1
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°	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5
2.5°	592.5	585.8	580.8	577.5	569.2	560.9	562.6	560.9	554.3	551.0	551.0
5°	599.1	592.5	584.2	570.9	562.6	552.6	556.0	549.3	542.7	547.7	539.4
7.5°	615.7	604.1	592.5	572.5	559.3	544.3	537.7	534.4	529.4	526.1	526.1
10°	638.9	622.3	600.8	570.9	549.3	526.1	522.8	516.1	511.1	511.1	509.5
12.5°	662.2	643.9	607.4	559.3	522.8	506.2	504.5	506.2	509.5	511.1	512.8
15°	692.0	662.2	605.7	537.7	501.2	494.5	502.8	509.5	516.1	522.8	521.1
17.5°	720.2	685.4	590.8	511.1	482.9	484.6	499.5	512.8	526.1	532.7	534.4
20°	758.4	707.0	569.2	479.6	464.7	479.6	499.5	516.1	531.1	539.4	541.0
22.5°	801.6	731.9	541.0	451.4	449.7	464.7	484.6	509.5	526.1	541.0	539.4
25°	839.7	748.5	504.5	428.2	431.5	441.4	464.7	491.2	507.8	524.4	519.4
27.5°	864.6	751.8	466.3	411.6	411.6	421.5	443.1	459.7	474.6	487.9	489.6
30°	892.8	745.1	423.2	390.0	390.0	403.3	411.6	421.5	429.8	433.1	436.5
32.5°	926.0	730.2	396.6	373.4	373.4	383.4	388.3	385.0	383.4	375.1	380.0
35°	957.6	708.6	366.8	351.8	358.5	363.4	361.8	351.8	341.9	326.9	322.0
37.5°	995.7	687.1	340.2	328.6	340.2	341.9	341.9	330.3	317.0	298.7	298.7
40°	1053.8	670.5	318.6	313.7	325.3	323.6	315.3	307.0	312.0	302.0	302.0
42.5°	1115.2	663.8	298.7	300.4	305.4	307.0	298.7	288.8	308.7	297.1	298.7
45°	1191.6	668.8	285.4	283.8	295.4	293.7	288.8	280.5	287.1	257.2	248.9
47.5°	1262.9	678.8	278.8	272.2	285.4	288.8	282.1	263.9	253.9	235.7	232.3
50°	1327.6	700.3	272.2	258.9	272.2	278.8	267.2	247.3	235.7	224.0	224.0
52.5°	1389.0	731.9	268.8	244.0	255.6	263.9	257.2	237.3	224.0	219.1	214.1
55°	1452.1	760.1	263.9	234.0	237.3	253.9	252.3	225.7	212.4	212.4	210.8
57.5°	1541.7	798.2	257.2	217.4	224.0	242.3	242.3	220.7	205.8	207.4	209.1
60°	1633.0	843.1	250.6	200.8	205.8	230.7	234.0	214.1	200.8	202.5	200.8
62.5°	1779.0	926.0	237.3	180.9	190.8	215.7	224.0	205.8	194.2	197.5	197.5
65°	1999.8	1068.8	209.1	164.3	175.9	202.5	214.1	197.5	184.2	194.2	190.8
67.5°	2354.9	1264.6	175.9	151.0	166.0	189.2	202.5	187.5	175.9	190.8	185.9
70°	2673.5	1360.8	151.0	139.4	151.0	174.3	189.2	177.6	166.0	180.9	174.3
72.5°	2544.1	1067.1	131.1	126.1	137.7	157.7	175.9	164.3	152.7	161.0	154.3
75°	2195.6	849.7	114.5	112.8	122.8	142.7	161.0	152.7	141.1	144.4	141.1
77.5°	1664.5	702.0	97.9	96.3	104.6	127.8	144.4	137.7	126.1	124.5	124.5
80°	743.5	345.2	81.3	81.3	86.3	109.5	122.8	119.5	107.9	106.2	104.6
82.5°	244.0	131.1	66.4	63.1	69.7	91.3	109.5	106.2	94.6	91.3	88.0
85°	97.9	63.1	48.1	48.1	54.8	76.3	97.9	91.3	76.3	68.0	68.0
87.5°	33.2	26.6	24.9	24.9	34.9	51.4	73.0	61.4	54.8	48.1	49.8
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)