

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: P670776

Luminaire Tested: **CCP-SA-2A-722-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670776
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4072.2 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

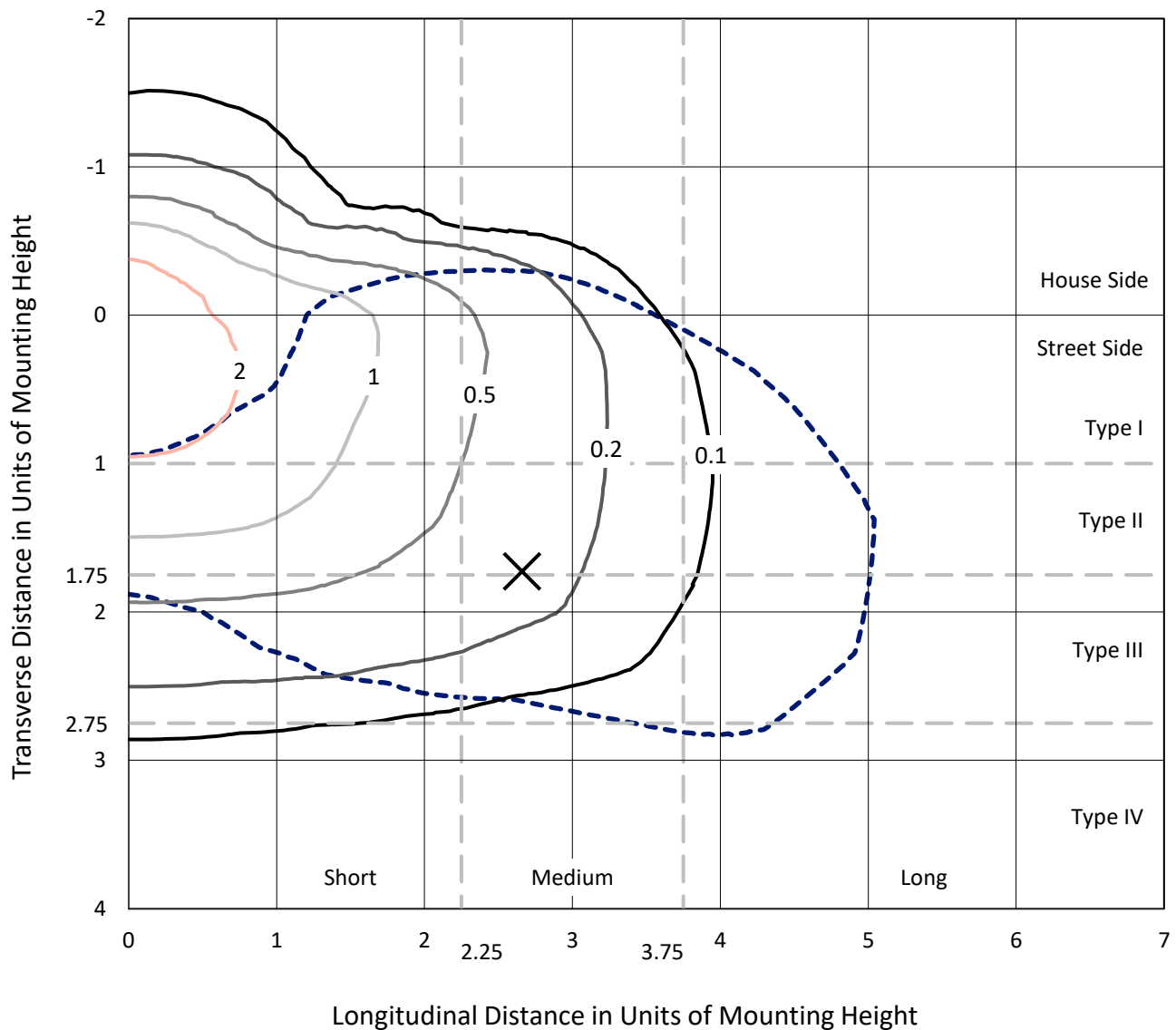
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

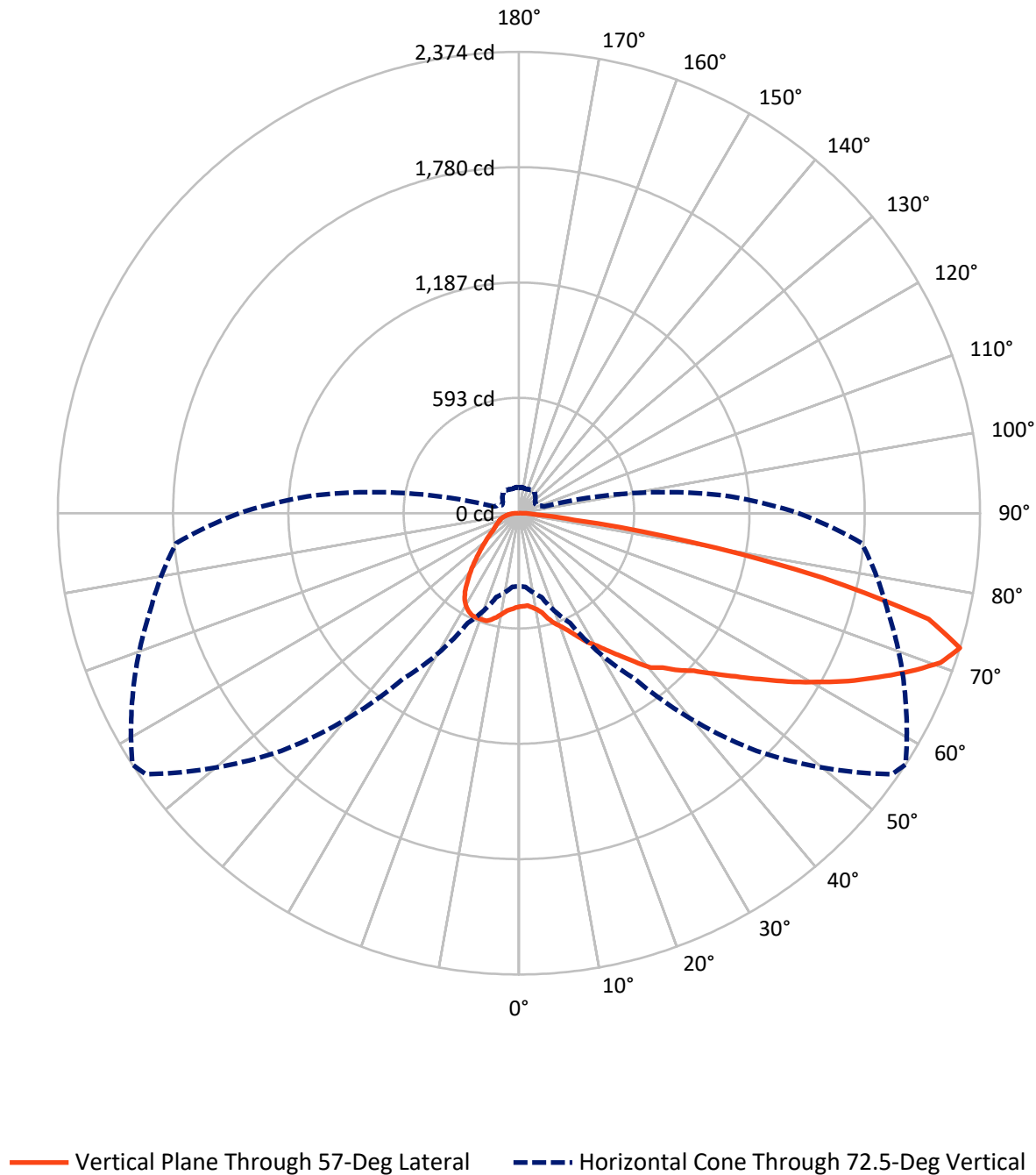
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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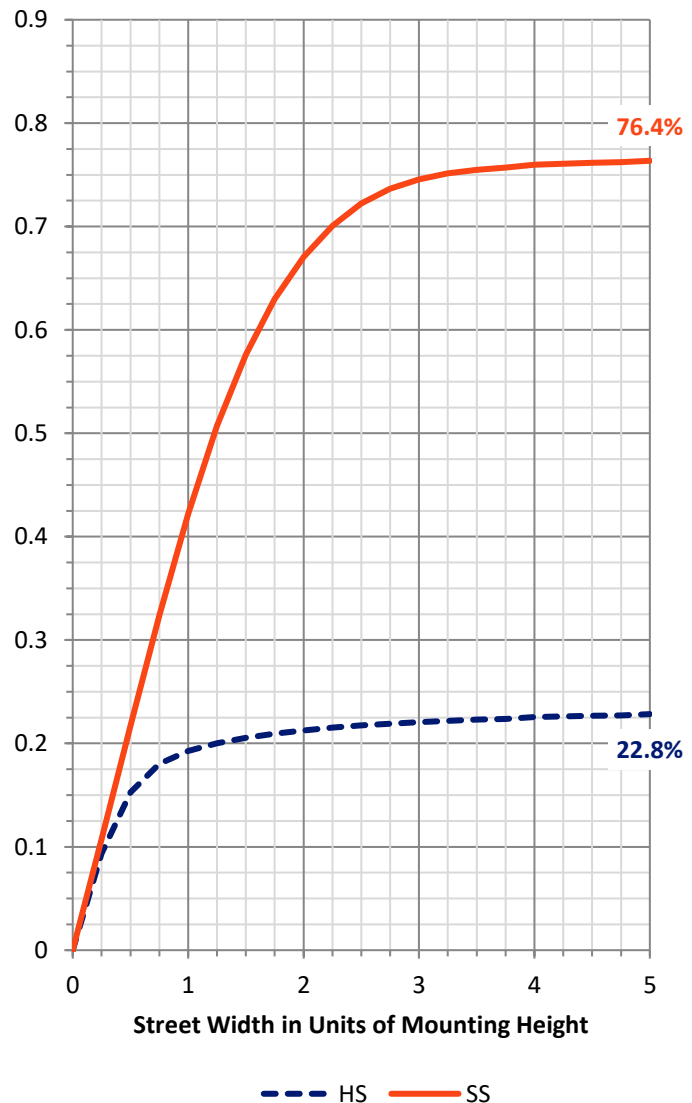
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	951.0	0.0	951.0
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3121.2	0.0	3121.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	4072.2	0.0	4072.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.2
10°-20°	160.8	3.9
20°-30°	293.9	7.2
30°-40°	431.2	10.6
40°-50°	593.8	14.6
50°-60°	814.2	20.0
60°-70°	981.5	24.1
70°-80°	653.8	16.1
80°-90°	95.2	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°	4072.2	100.0
0°-180°	4072.2	100.0



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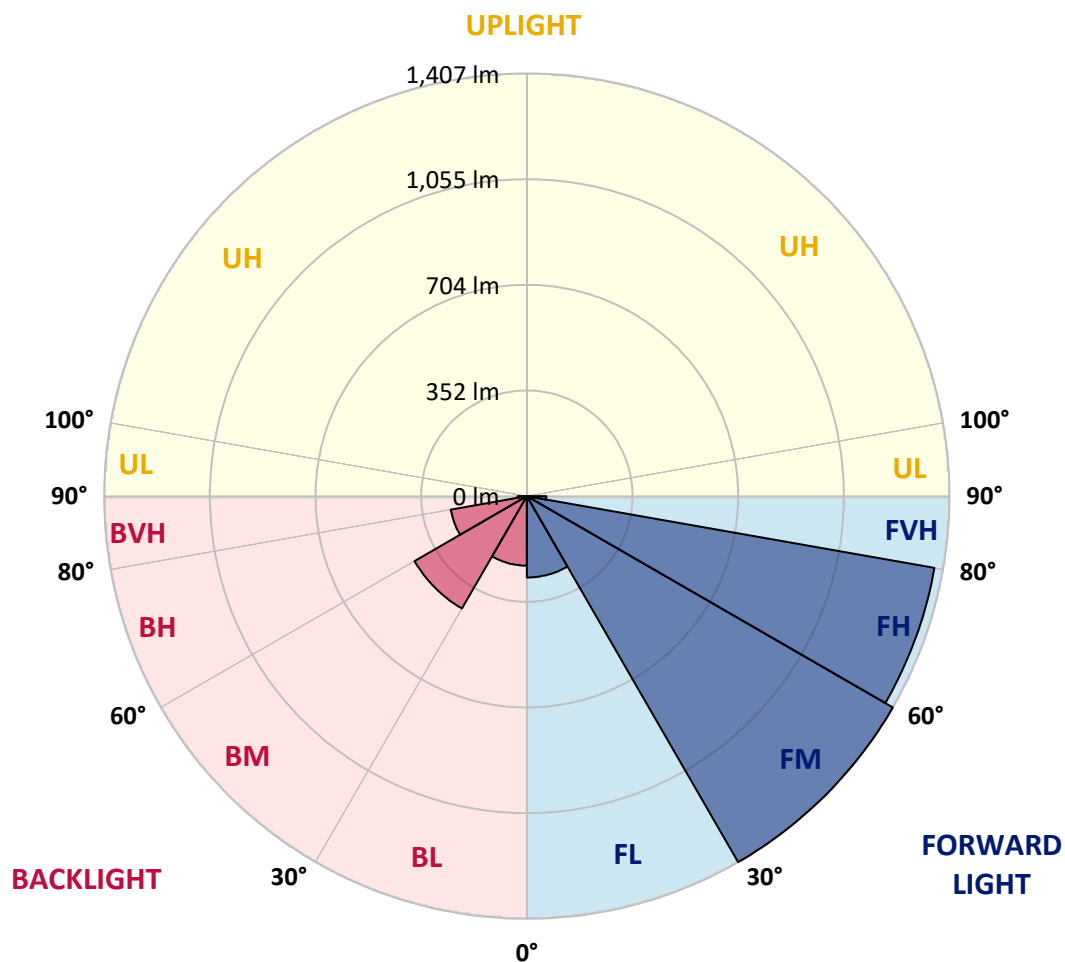
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.9	6.7			
FM	(30°-60°)	1407.3	34.6			
FH	(60°-80°)	1378.2	33.8			G1/1800
FVH	(80°-90°)	64.8	1.6			G1/100
BL	(0°-30°)	231.5	5.7	B1/500		
BM	(30°-60°)	432.0	10.6	B1/1000		
BH	(60°-80°)	257.1	6.3	B1/500		G1/500
BVH	(80°-90°)	30.4	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°	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7
2.5°	471.8	473.2	476.2	474.7	474.7	470.3	477.7	479.2	476.2	477.7	480.7
5°	471.8	474.7	479.2	476.2	477.7	476.2	473.2	477.7	477.7	479.2	483.6
7.5°	497.0	495.5	495.5	491.0	489.6	488.1	489.6	489.6	486.6	488.1	488.1
10°	525.2	525.2	522.2	522.2	519.2	511.8	504.4	502.9	498.5	499.9	499.9
12.5°	554.8	557.8	560.8	551.9	548.9	537.0	532.6	523.7	523.7	520.7	519.2
15°	591.9	587.5	590.4	587.5	580.1	568.2	560.8	562.2	551.9	548.9	544.4
17.5°	624.6	626.0	621.6	618.6	605.3	596.4	597.9	596.4	583.0	578.6	571.2
20°	663.1	661.6	661.6	652.7	640.9	629.0	624.6	623.1	626.0	617.1	599.3
22.5°	703.2	697.2	697.2	689.8	673.5	666.1	663.1	657.2	660.2	652.7	626.0
25°	735.8	735.8	746.2	731.4	722.5	707.6	701.7	703.2	704.7	689.8	658.7
27.5°	778.8	771.4	781.8	774.4	769.9	753.6	746.2	750.7	747.7	731.4	688.3
30°	833.7	835.2	829.3	818.9	813.0	801.1	796.6	792.2	796.6	775.9	721.0
32.5°	902.0	906.4	891.6	879.7	869.3	857.5	848.6	844.1	848.6	817.4	746.2
35°	980.6	985.0	973.2	959.8	948.0	918.3	910.9	903.5	887.1	836.7	769.9
37.5°	1053.3	1047.4	1044.4	1044.4	1022.1	979.1	974.7	970.2	939.1	875.3	802.6
40°	1102.2	1109.7	1106.7	1103.7	1100.8	1060.7	1051.8	1044.4	992.5	933.1	848.6
42.5°	1157.1	1152.7	1164.6	1169.0	1158.6	1146.8	1111.1	1085.9	1039.9	992.5	916.8
45°	1222.4	1219.4	1223.9	1240.2	1225.4	1229.8	1170.5	1152.7	1094.8	1066.6	1002.9
47.5°	1280.3	1287.7	1309.9	1314.4	1302.5	1323.3	1240.2	1212.0	1174.9	1152.7	1091.9
50°	1305.5	1314.4	1364.8	1396.0	1397.5	1430.1	1309.9	1298.1	1247.6	1256.5	1203.1
52.5°	1284.7	1312.9	1373.7	1455.3	1505.8	1538.4	1401.9	1396.0	1350.0	1378.2	1324.8
55°	1304.0	1330.7	1370.8	1485.0	1612.6	1620.0	1529.5	1507.2	1461.3	1499.8	1450.9
57.5°	1312.9	1298.1	1373.7	1517.6	1691.2	1710.5	1651.1	1634.8	1599.2	1636.3	1608.1
60°	1243.2	1261.0	1332.2	1508.7	1695.6	1806.9	1787.6	1763.9	1731.3	1765.4	1749.1
62.5°	1164.6	1176.4	1253.6	1455.3	1720.9	1876.6	1919.7	1901.9	1855.9	1885.5	1913.7
65°	1065.2	1066.6	1152.7	1360.4	1671.9	1916.7	2035.4	2033.9	2001.3	1993.8	2038.3
67.5°	943.5	955.4	1023.6	1259.5	1605.2	1961.2	2149.6	2171.9	2106.6	2048.7	2065.0
70°	724.0	735.8	801.1	1032.5	1468.7	1947.8	2290.5	2302.4	2174.8	2028.0	1986.4
72.5°	376.8	379.8	446.5	623.1	1041.4	1729.8	2342.5	2373.6	2192.6	1967.1	1771.3
75°	124.6	124.6	152.8	237.4	491.0	1106.7	2121.4	2177.8	2105.1	1815.8	1449.4
77.5°	74.2	75.7	90.5	118.7	195.8	442.1	1495.4	1594.8	1722.4	1544.3	1059.2
80°	53.4	54.9	68.2	81.6	117.2	142.4	750.7	888.6	1057.7	993.9	565.2
82.5°	40.1	40.1	53.4	60.8	80.1	84.6	209.2	286.3	456.9	356.0	155.8
85°	41.5	41.5	41.5	43.0	54.9	49.0	87.5	93.5	133.5	117.2	43.0
87.5°	14.8	16.3	41.5	28.2	28.2	20.8	34.1	37.1	47.5	49.0	16.3
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°	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7
2.5°	482.1	482.1	483.6	483.6	486.6	489.6	494.0	491.0	491.0	492.5	491.0
5°	480.7	482.1	486.6	494.0	497.0	498.5	507.4	507.4	507.4	510.3	510.3
7.5°	486.6	489.6	497.0	504.4	505.9	510.3	522.2	525.2	532.6	535.5	537.0
10°	501.4	505.9	511.8	520.7	526.6	532.6	541.5	551.9	550.4	559.3	560.8
12.5°	523.7	522.2	532.6	541.5	547.4	556.3	559.3	559.3	559.3	559.3	562.2
15°	541.5	544.4	553.3	559.3	566.7	565.2	559.3	553.3	554.8	553.3	553.3
17.5°	568.2	568.2	575.6	577.1	580.1	565.2	556.3	556.3	560.8	560.8	557.8
20°	594.9	593.4	596.4	594.9	575.6	557.8	556.3	557.8	559.3	557.8	556.3
22.5°	620.1	617.1	612.7	606.8	572.6	556.3	553.3	545.9	538.5	538.5	534.1
25°	642.4	639.4	627.5	609.7	571.2	547.4	532.6	514.8	505.9	501.4	507.4
27.5°	663.1	657.2	640.9	609.7	557.8	523.7	495.5	473.2	465.8	459.9	465.8
30°	691.3	680.9	658.7	605.3	537.0	486.6	448.0	421.3	413.9	405.0	408.0
32.5°	716.5	692.8	673.5	591.9	510.3	445.1	400.5	373.8	360.5	353.1	359.0
35°	743.2	719.5	679.4	571.2	468.8	394.6	350.1	324.9	314.5	304.1	304.1
37.5°	769.9	756.6	688.3	532.6	418.3	347.1	307.1	287.8	270.0	250.7	250.7
40°	826.3	808.5	698.7	488.1	367.9	301.2	273.0	247.7	229.9	203.2	201.8
42.5°	885.7	847.1	698.7	434.7	323.4	268.5	241.8	215.1	182.5	166.2	167.6
45°	961.3	916.8	679.4	387.2	278.9	241.8	212.1	178.0	163.2	152.8	152.8
47.5°	1056.3	986.5	655.7	335.3	243.3	218.1	181.0	160.2	149.8	140.9	139.4
50°	1169.0	1050.3	626.0	290.8	213.6	195.8	164.7	148.4	139.4	133.5	133.5
52.5°	1287.7	1143.8	605.3	250.7	189.9	166.2	152.8	142.4	135.0	130.5	129.1
55°	1407.8	1237.2	590.4	207.7	167.6	152.8	149.8	140.9	138.0	133.5	130.5
57.5°	1542.8	1314.4	587.5	178.0	149.8	146.9	152.8	145.4	140.9	136.5	132.0
60°	1688.2	1418.2	560.8	154.3	140.9	143.9	148.4	140.9	138.0	133.5	130.5
62.5°	1832.1	1495.4	488.1	136.5	132.0	135.0	140.9	135.0	130.5	132.0	133.5
65°	1891.5	1501.3	378.3	123.1	121.6	123.1	132.0	130.5	126.1	135.0	135.0
67.5°	1832.1	1447.9	267.0	111.3	111.3	118.7	133.5	136.5	132.0	143.9	142.4
70°	1697.1	1315.9	181.0	103.8	106.8	126.1	138.0	135.0	129.1	143.9	140.9
72.5°	1440.5	1053.3	132.0	96.4	100.9	120.2	136.5	133.5	129.1	135.0	129.1
75°	1081.5	749.2	103.8	87.5	89.0	108.3	140.9	133.5	121.6	118.7	114.2
77.5°	722.5	462.9	80.1	77.1	77.1	94.9	135.0	124.6	109.8	105.3	103.8
80°	344.2	185.4	63.8	65.3	66.8	81.6	123.1	111.3	99.4	93.5	93.5
82.5°	109.8	69.7	53.4	53.4	53.4	66.8	102.4	93.5	86.0	81.6	74.2
85°	38.6	38.6	46.0	47.5	43.0	49.0	84.6	80.1	71.2	59.3	57.9
87.5°	14.8	22.3	31.2	37.1	26.7	34.1	60.8	56.4	51.9	38.6	37.1
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)