

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: P671104

Luminaire Tested: **CCP-SA-1C-740-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671104
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-740-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4561.2 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

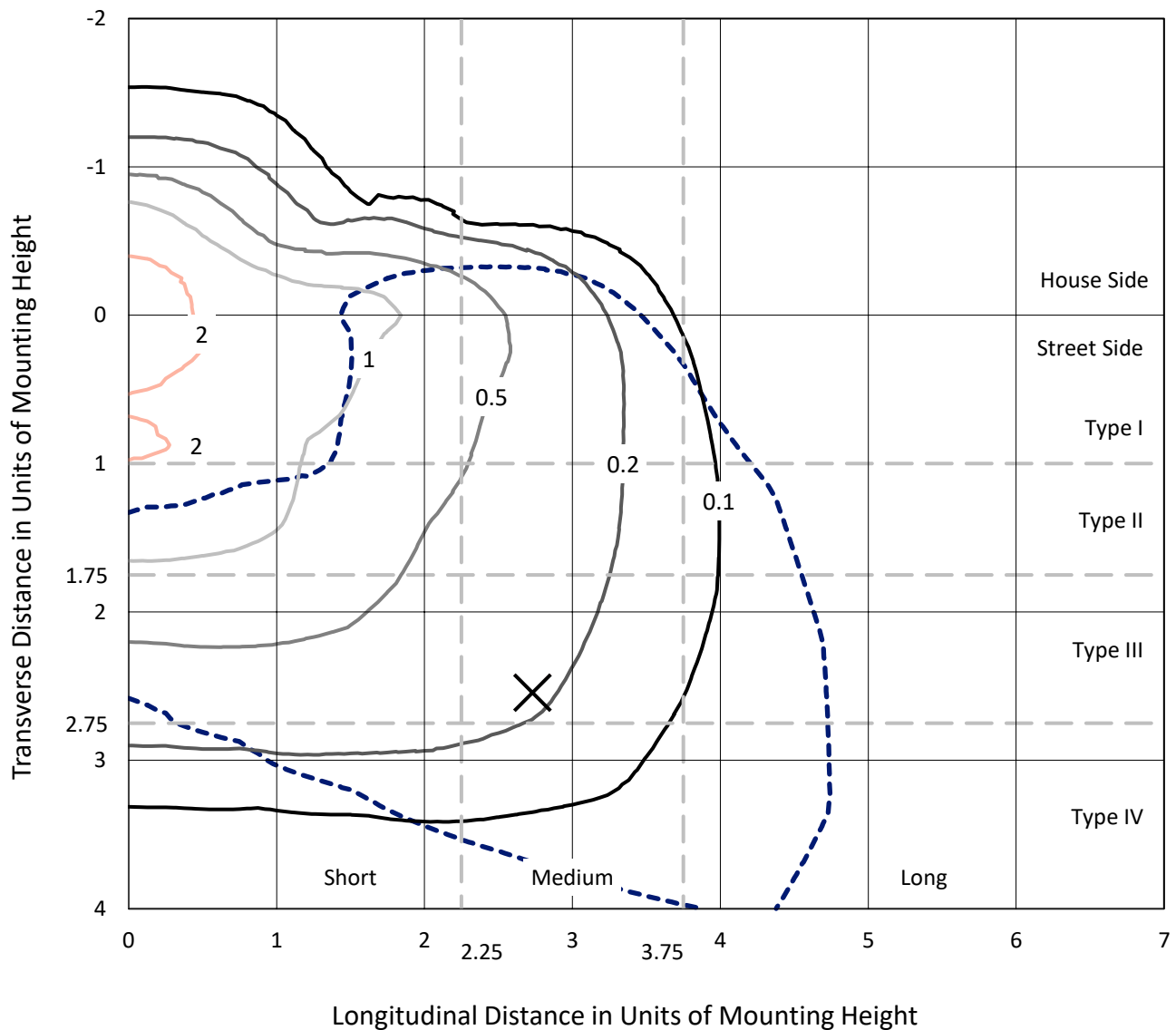
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

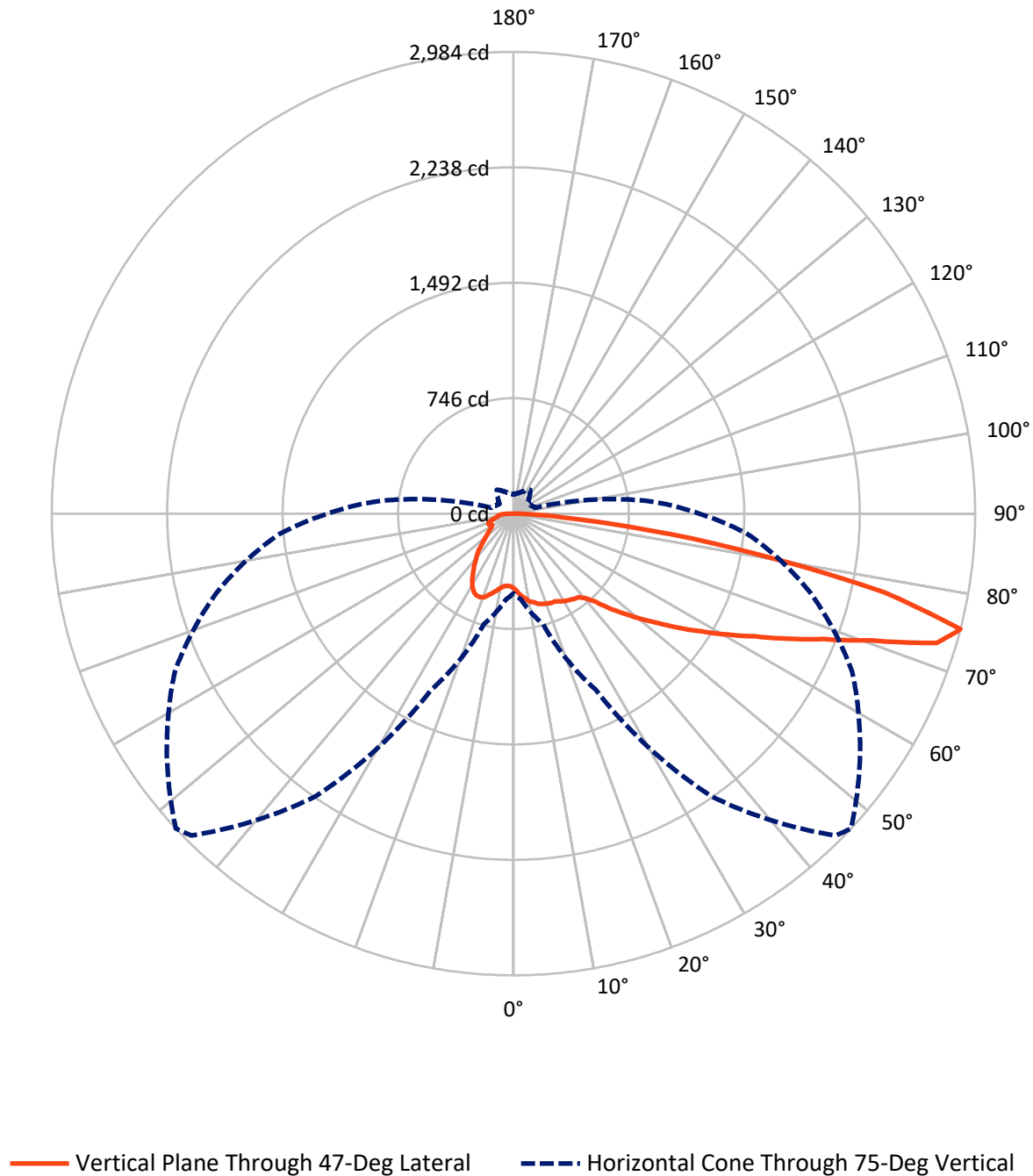
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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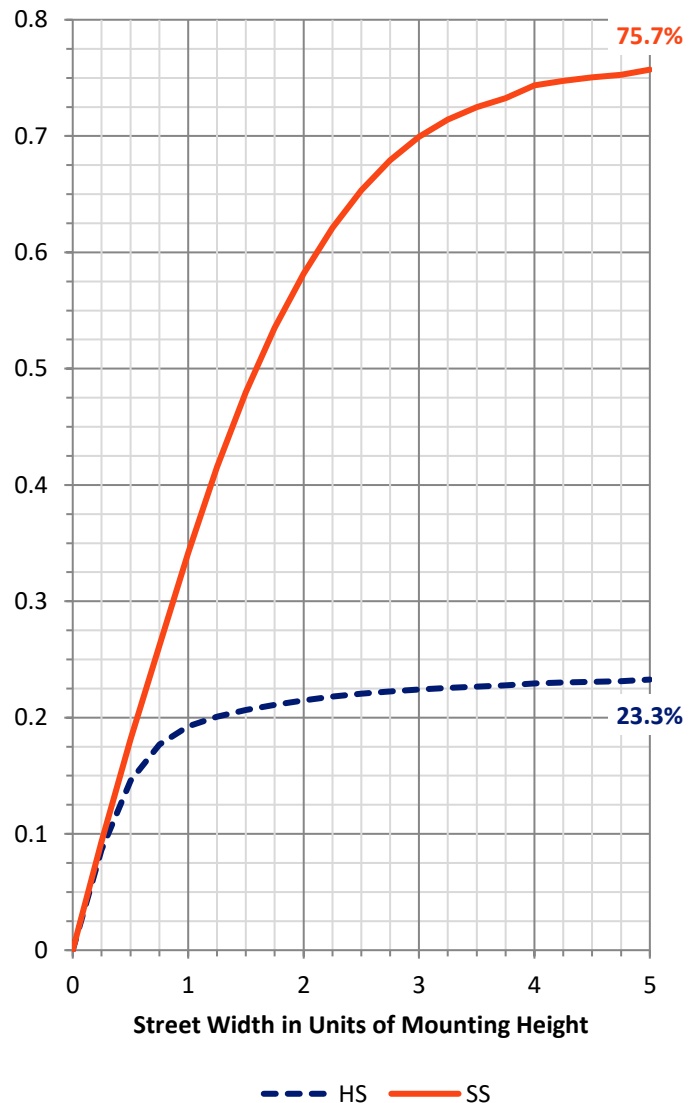
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1090.8	0.0	1090.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3470.4	0.0	3470.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	4561.2	0.0	4561.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.1
10°-20°	162.6	3.6
20°-30°	278.5	6.1
30°-40°	389.6	8.5
40°-50°	543.3	11.9
50°-60°	812.1	17.8
60°-70°	1170.8	25.7
70°-80°	996.6	21.8
80°-90°	158.8	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°	4561.2	100.0
0°-180°	4561.2	100.0

Coefficient of Utilization



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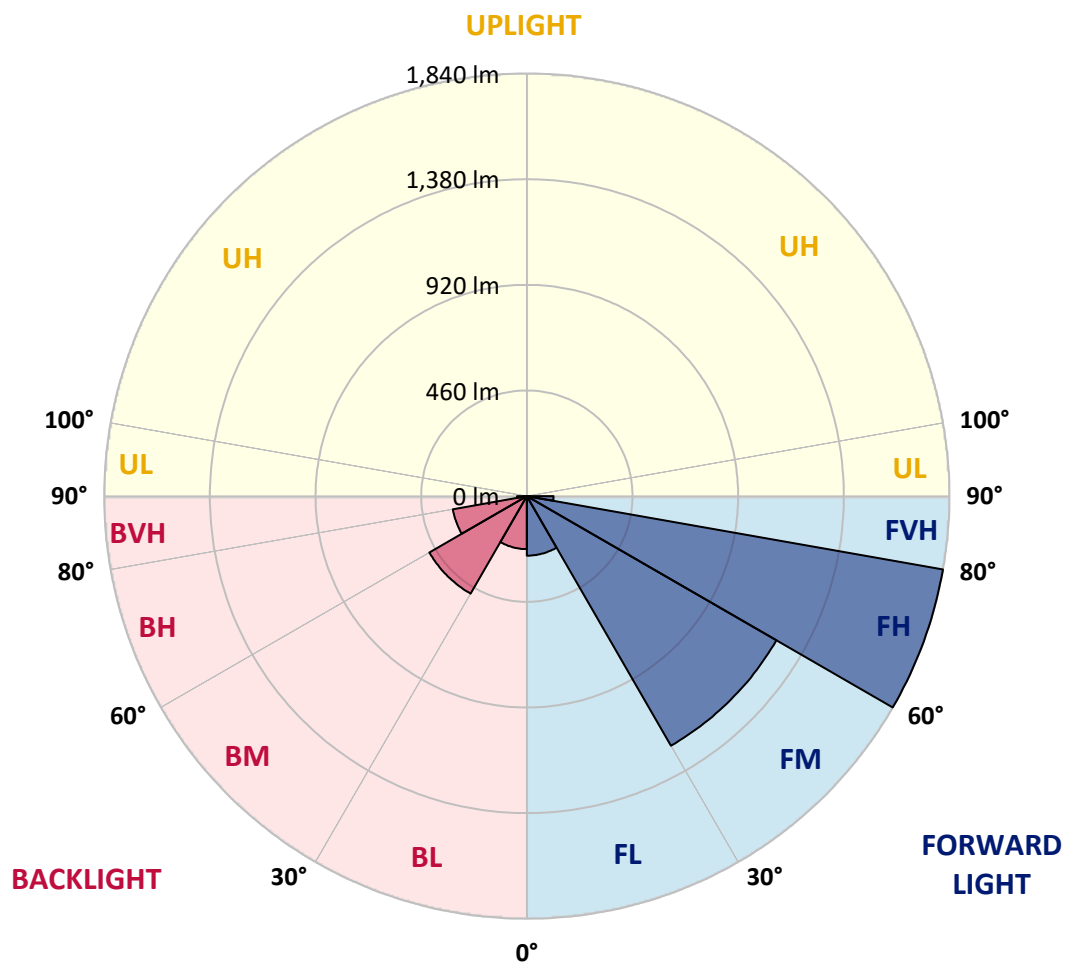
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.1	5.7			
FM	(30°-60°)	1254.7	27.5			
FH	(60°-80°)	1840.2	40.3			G2/5000
FVH	(80°-90°)	116.3	2.6			G2/225
BL	(0°-30°)	230.9	5.1	B1/500		
BM	(30°-60°)	490.2	10.7	B1/1000		
BH	(60°-80°)	327.2	7.2	B1/500		G1/500
BVH	(80°-90°)	42.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3
2.5°	519.2	520.9	520.9	517.6	514.3	507.6	507.6	500.9	497.6	489.3	486.0
5°	567.5	562.5	557.5	555.9	547.5	535.9	534.2	527.6	509.3	500.9	489.3
7.5°	602.5	600.8	599.1	592.5	577.5	559.2	554.2	544.2	525.9	509.3	495.9
10°	630.8	637.4	630.8	615.8	600.8	580.8	579.2	560.9	544.2	524.2	507.6
12.5°	662.4	664.0	652.4	634.1	610.8	594.1	587.5	580.8	562.5	545.9	520.9
15°	684.0	680.7	672.4	647.4	620.8	604.1	605.8	597.5	577.5	565.8	539.2
17.5°	684.0	684.0	670.7	652.4	629.1	614.1	614.1	609.1	595.8	579.2	560.9
20°	670.7	670.7	662.4	652.4	625.8	622.4	619.1	615.8	615.8	600.8	574.2
22.5°	654.1	650.7	654.1	637.4	619.1	622.4	627.4	625.8	620.8	607.5	589.1
25°	637.4	639.1	642.4	630.8	614.1	629.1	627.4	635.7	632.4	622.4	607.5
27.5°	635.7	639.1	640.7	629.1	622.4	635.7	642.4	650.7	652.4	642.4	624.1
30°	660.7	659.0	657.4	642.4	637.4	649.1	655.7	667.4	677.4	655.7	640.7
32.5°	725.6	715.6	705.6	665.7	650.7	659.0	665.7	682.3	684.0	672.4	650.7
35°	828.8	822.1	788.9	719.0	677.4	669.0	675.7	687.3	690.7	682.3	665.7
37.5°	947.0	943.6	897.0	812.2	732.3	692.3	685.7	702.3	715.6	697.3	674.0
40°	1063.5	1050.1	1016.9	933.6	802.2	727.3	719.0	727.3	732.3	719.0	704.0
42.5°	1168.3	1153.3	1145.0	1061.8	893.7	785.5	778.9	758.9	773.9	757.2	737.3
45°	1256.5	1253.2	1249.9	1178.3	998.6	880.4	875.4	823.8	840.4	827.1	798.8
47.5°	1319.8	1334.7	1329.7	1289.8	1118.4	981.9	966.9	900.4	925.3	912.0	883.7
50°	1394.6	1403.0	1398.0	1371.3	1229.9	1098.4	1070.1	1001.9	1030.2	1028.5	1013.5
52.5°	1461.2	1486.2	1457.9	1456.2	1389.7	1224.9	1176.6	1111.7	1158.3	1176.6	1175.0
55°	1539.4	1559.4	1551.1	1547.8	1532.8	1348.0	1304.8	1226.6	1304.8	1331.4	1354.7
57.5°	1606.0	1604.3	1636.0	1674.2	1692.5	1489.5	1437.9	1346.4	1464.5	1494.5	1559.4
60°	1636.0	1664.3	1717.5	1814.0	1865.6	1641.0	1587.7	1514.5	1626.0	1649.3	1769.1
62.5°	1655.9	1680.9	1784.1	1947.2	1977.1	1795.7	1745.8	1672.6	1802.4	1819.0	1997.1
65°	1601.0	1624.3	1829.0	1997.1	2103.6	1962.2	1950.5	1874.0	1978.8	1988.8	2236.8
67.5°	1537.8	1562.7	1790.7	2060.3	2271.7	2183.5	2165.2	2073.7	2153.5	2141.9	2419.8
70°	1426.3	1459.6	1692.5	2115.3	2458.1	2493.1	2456.4	2326.6	2335.0	2225.1	2428.1
72.5°	1086.8	1108.4	1324.7	1897.3	2544.6	2922.4	2859.2	2599.6	2504.7	2241.8	2143.6
75°	515.9	555.9	738.9	1254.8	2230.1	2942.4	2984.0	2734.4	2414.8	1988.8	1519.5
77.5°	149.8	149.8	224.7	532.6	1398.0	2371.6	2449.8	2321.6	1992.1	1472.9	798.8
80°	81.5	86.5	118.2	188.1	614.1	1496.2	1609.3	1539.4	1173.3	582.5	206.4
82.5°	46.6	48.3	78.2	113.2	279.6	813.8	880.4	798.8	446.0	176.4	96.5
85°	26.6	28.3	44.9	74.9	166.4	299.6	326.2	282.9	179.7	118.2	48.3
87.5°	13.3	13.3	21.6	34.9	84.9	84.9	83.2	101.5	108.2	71.6	21.6
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°	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3
2.5°	484.3	482.6	482.6	476.0	474.3	469.3	469.3	466.0	464.3	469.3	469.3
5°	486.0	477.6	476.0	469.3	471.0	467.7	474.3	471.0	469.3	469.3	467.7
7.5°	489.3	481.0	474.3	469.3	467.7	472.6	481.0	481.0	491.0	486.0	486.0
10°	497.6	492.6	484.3	481.0	481.0	486.0	495.9	502.6	510.9	510.9	505.9
12.5°	517.6	509.3	499.3	494.3	500.9	505.9	515.9	522.6	532.6	535.9	532.6
15°	532.6	524.2	520.9	517.6	522.6	529.2	537.6	544.2	555.9	559.2	557.5
17.5°	552.5	542.5	540.9	542.5	545.9	550.9	555.9	560.9	569.2	569.2	569.2
20°	562.5	559.2	557.5	562.5	569.2	575.8	572.5	569.2	567.5	570.8	569.2
22.5°	580.8	577.5	579.2	584.2	584.2	580.8	575.8	564.2	560.9	564.2	560.9
25°	597.5	594.1	594.1	590.8	589.1	577.5	567.5	557.5	545.9	550.9	549.2
27.5°	614.1	612.4	612.4	599.1	582.5	562.5	549.2	537.6	530.9	539.2	534.2
30°	634.1	635.7	627.4	595.8	555.9	534.2	519.2	517.6	515.9	520.9	519.2
32.5°	652.4	654.1	640.7	590.8	535.9	494.3	479.3	481.0	489.3	497.6	505.9
35°	662.4	670.7	654.1	574.2	495.9	449.3	432.7	447.7	462.7	474.3	482.6
37.5°	680.7	702.3	674.0	555.9	461.0	409.4	397.8	402.7	421.1	439.4	447.7
40°	707.3	732.3	679.0	520.9	414.4	369.5	362.8	364.5	371.1	382.8	391.1
42.5°	753.9	780.5	684.0	476.0	367.8	344.5	326.2	321.2	316.2	316.2	314.5
45°	822.1	847.1	677.4	419.4	321.2	304.6	291.2	279.6	266.3	244.6	248.0
47.5°	922.0	942.0	682.3	369.5	277.9	264.6	254.6	241.3	221.3	198.0	196.4
50°	1073.4	1043.5	675.7	317.9	246.3	234.7	226.3	208.0	184.7	168.1	166.4
52.5°	1249.9	1189.9	669.0	274.6	219.7	209.7	203.0	183.1	161.4	153.1	151.4
55°	1462.9	1376.3	679.0	236.3	199.7	191.4	184.7	166.4	149.8	143.1	141.5
57.5°	1714.2	1577.7	733.9	206.4	178.1	174.7	173.1	158.1	143.1	138.1	136.5
60°	1950.5	1770.8	770.6	184.7	158.1	161.4	164.8	158.1	141.5	138.1	138.1
62.5°	2148.6	1930.5	712.3	166.4	148.1	158.1	173.1	168.1	161.4	164.8	161.4
65°	2323.3	1985.5	532.6	156.4	143.1	166.4	191.4	189.7	174.7	178.1	176.4
67.5°	2353.3	1918.9	347.8	148.1	139.8	183.1	214.7	194.7	164.8	164.8	159.8
70°	2228.4	1740.8	233.0	139.8	138.1	183.1	219.7	183.1	154.8	154.8	148.1
72.5°	1829.0	1391.3	179.7	131.5	126.5	163.1	208.0	173.1	144.8	141.5	129.8
75°	1201.6	897.0	146.5	124.8	109.8	143.1	188.1	159.8	138.1	128.1	123.2
77.5°	589.1	402.7	123.2	109.8	94.9	124.8	171.4	151.4	129.8	119.8	116.5
80°	161.4	144.8	103.2	96.5	79.9	108.2	161.4	144.8	121.5	111.5	106.5
82.5°	91.5	89.9	83.2	78.2	66.6	108.2	163.1	144.8	114.8	113.2	96.5
85°	49.9	53.3	59.9	58.2	51.6	96.5	154.8	126.5	93.2	78.2	78.2
87.5°	20.0	25.0	30.0	33.3	34.9	71.6	116.5	96.5	71.6	59.9	59.9
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)