

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: P670633

Luminaire Tested: **CCP-SA-2B-722-U-T2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670633
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-722-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5074.4 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

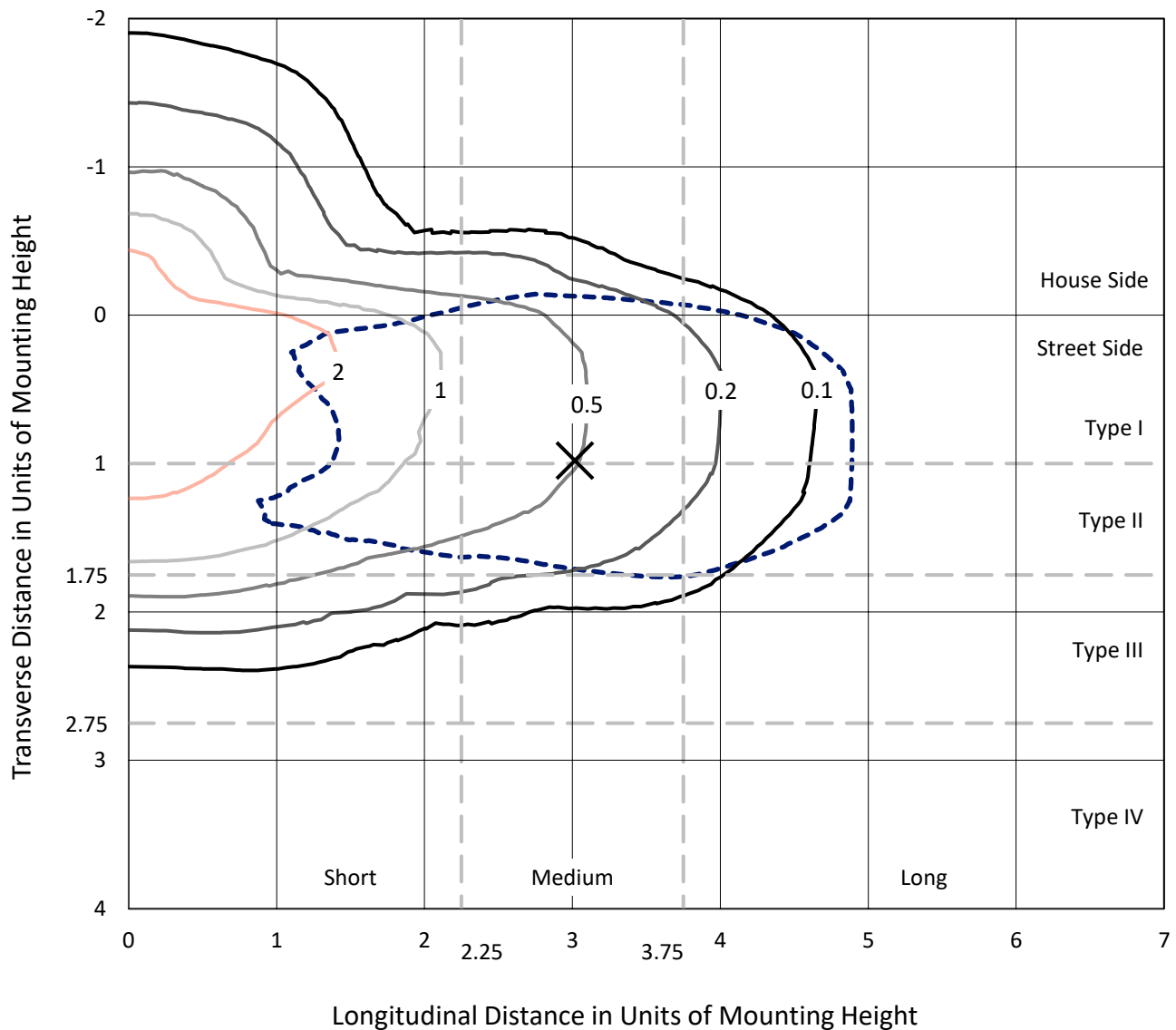
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

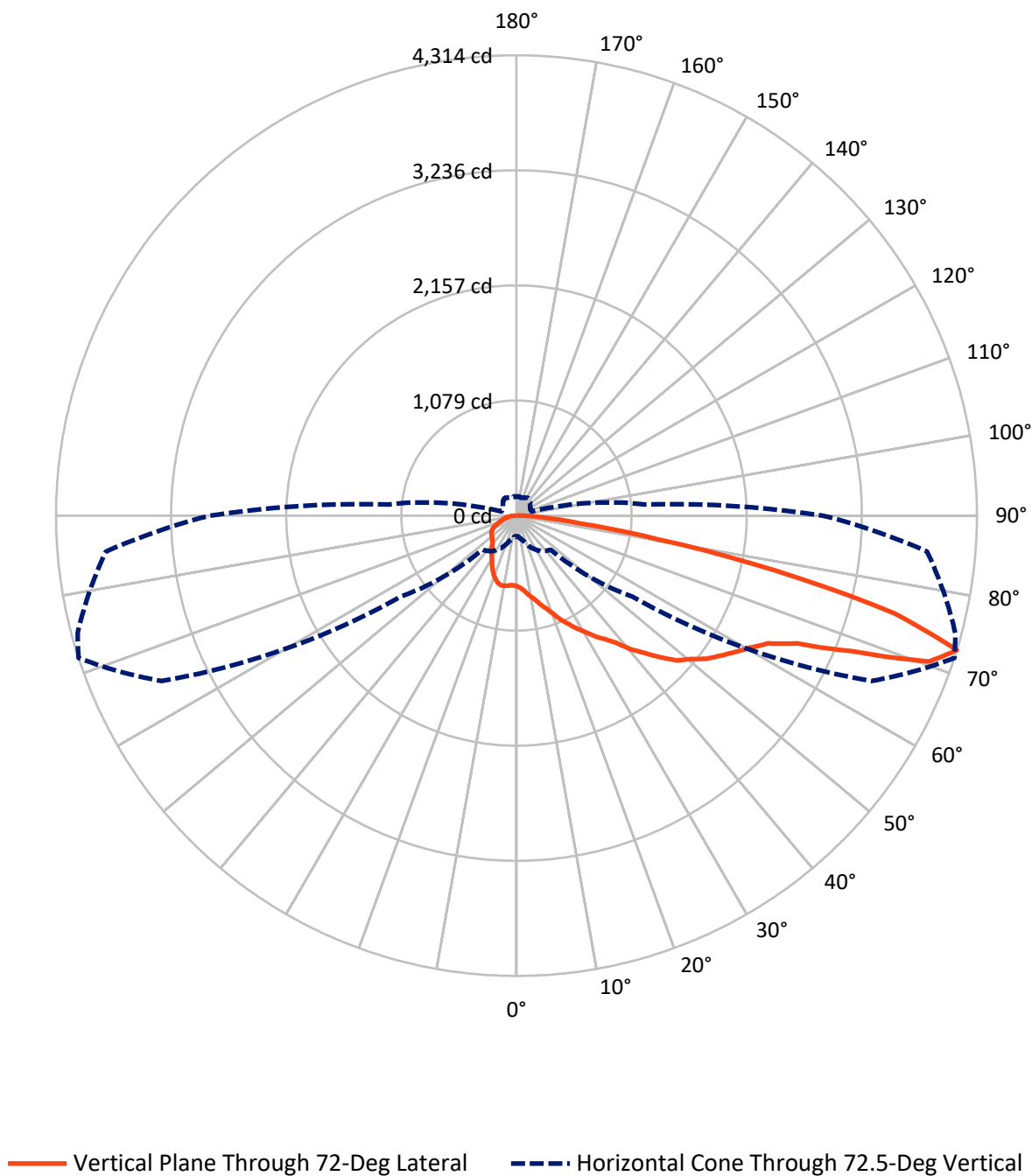


Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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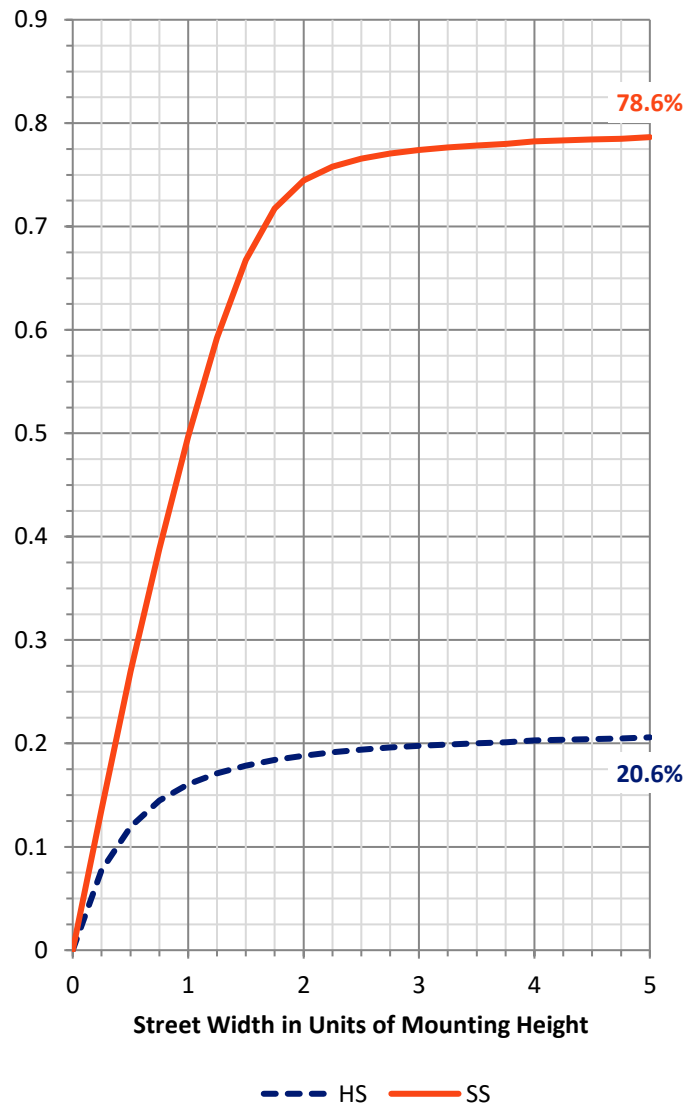
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1067.9	0.0	1067.9
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4006.5	0.0	4006.5
	% Fixture	79.0	0.0	79.0
Total	Lumens	5074.4	0.0	5074.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	1.3
10°-20°	203.6	4.0
20°-30°	352.4	6.9
30°-40°	520.5	10.3
40°-50°	774.0	15.3
50°-60°	1061.1	20.9
60°-70°	1151.0	22.7
70°-80°	811.5	16.0
80°-90°	134.8	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°	5074.4	100.0
0°-180°	5074.4	100.0

Coefficient of Utilization



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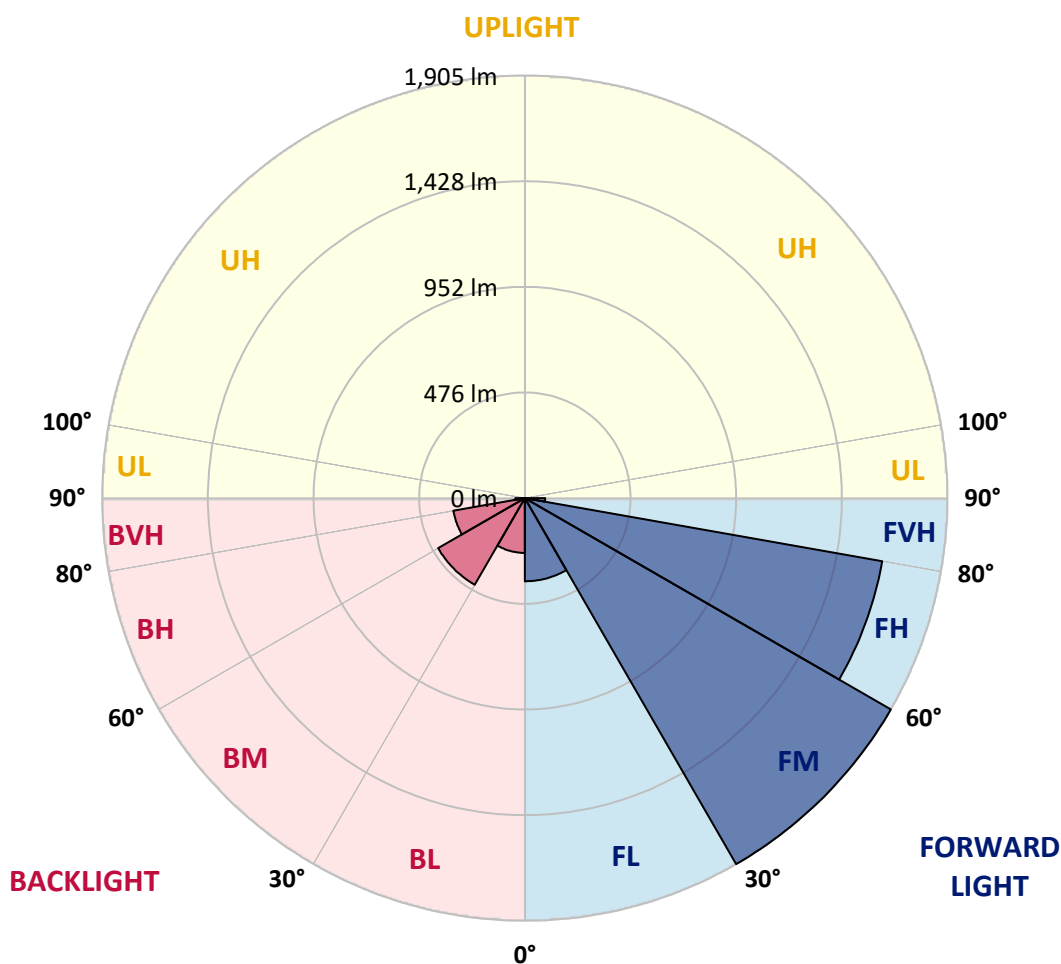
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.7	7.4			
FM	(30°-60°)	1904.5	37.5			
FH	(60°-80°)	1635.3	32.2			G1/1800
FVH	(80°-90°)	91.9	1.8			G1/100
BL	(0°-30°)	246.8	4.9	B1/500		
BM	(30°-60°)	451.1	8.9	B1/1000		
BH	(60°-80°)	327.1	6.4	B1/500		G1/500
BVH	(80°-90°)	42.9	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°	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9
2.5°	715.3	715.3	709.7	707.8	707.8	692.8	694.7	685.3	677.8	677.8	670.4
5°	752.7	749.0	749.0	749.0	739.6	734.0	732.1	715.3	702.2	704.1	681.6
7.5°	762.1	764.0	765.8	775.2	769.6	773.3	769.6	750.9	741.5	732.1	711.5
10°	767.7	771.5	771.5	784.6	784.6	793.9	799.6	792.1	775.2	765.8	732.1
12.5°	780.8	775.2	782.7	792.1	801.4	818.3	835.1	827.6	816.4	805.2	767.7
15°	780.8	782.7	788.3	803.3	818.3	835.1	865.1	876.3	870.7	850.1	810.8
17.5°	758.4	752.7	779.0	807.0	835.1	855.7	895.0	921.3	917.5	910.0	850.1
20°	760.2	765.8	775.2	799.6	844.5	881.9	930.6	973.7	983.1	979.3	902.5
22.5°	793.9	795.8	805.2	816.4	852.0	900.7	973.7	1043.0	1059.8	1050.5	960.6
25°	827.6	842.6	842.6	850.1	863.2	913.8	1001.8	1099.1	1123.5	1125.4	1020.5
27.5°	881.9	885.7	896.9	900.7	911.9	941.9	1033.6	1140.3	1196.5	1189.0	1074.8
30°	945.6	947.5	955.0	951.2	953.1	990.5	1063.6	1187.2	1263.9	1265.8	1132.9
32.5°	1020.5	1035.5	1039.2	1014.9	1018.6	1028.0	1110.4	1243.3	1348.2	1335.1	1183.4
35°	1131.0	1136.6	1125.4	1114.1	1086.0	1080.4	1159.1	1299.5	1421.2	1436.2	1258.3
37.5°	1267.7	1282.7	1267.7	1207.8	1177.8	1155.3	1219.0	1361.3	1509.2	1559.8	1333.2
40°	1395.0	1393.1	1378.1	1323.8	1271.4	1254.6	1305.1	1447.4	1645.9	1694.6	1441.8
42.5°	1498.0	1492.4	1483.0	1441.8	1393.1	1365.0	1404.4	1537.3	1760.1	1853.8	1567.3
45°	1587.9	1580.4	1582.3	1535.4	1488.6	1503.6	1503.6	1640.3	1895.0	2011.1	1711.5
47.5°	1672.1	1675.9	1670.3	1634.7	1599.1	1638.4	1617.8	1758.3	2027.9	2157.1	1833.2
50°	1769.5	1777.0	1758.3	1735.8	1704.0	1743.3	1717.1	1868.7	2114.0	2290.1	1979.2
52.5°	1861.3	1868.7	1885.6	1857.5	1825.7	1857.5	1797.6	1971.7	2228.3	2419.3	2091.6
55°	1883.7	1880.0	1973.6	2003.6	2020.4	1924.9	1868.7	2059.7	2318.1	2501.6	2218.9
57.5°	1780.7	1790.1	1917.4	2003.6	2183.3	2100.9	1949.3	2162.7	2411.8	2610.2	2336.9
60°	1524.2	1529.8	1689.0	1893.1	2155.2	2265.7	2166.5	2295.7	2514.7	2702.0	2469.8
62.5°	1018.6	1061.7	1260.2	1580.4	1956.7	2310.6	2512.9	2520.4	2640.2	2818.1	2651.4
65°	537.4	558.0	713.4	971.8	1483.0	2155.2	2838.7	2966.0	2891.1	3031.6	2913.6
67.5°	352.0	359.5	443.8	589.8	855.7	1572.9	2876.1	3739.4	3394.8	3437.9	3333.0
70°	262.1	265.9	327.7	436.3	529.9	840.7	2357.5	4100.7	4098.9	3984.7	3831.1
72.5°	192.9	198.5	241.6	333.3	408.2	453.1	1325.7	3668.2	4314.2	4256.2	3861.1
75°	151.7	155.4	177.9	258.4	329.6	297.7	672.2	2717.0	3658.8	3937.8	3533.4
77.5°	123.6	127.3	140.4	187.2	264.0	230.3	322.1	1752.6	2481.0	2834.9	2703.9
80°	103.0	103.0	112.3	132.9	204.1	174.1	191.0	984.9	1337.0	1475.5	1226.5
82.5°	88.0	86.1	93.6	97.4	151.7	125.5	123.6	445.7	588.0	623.5	460.6
85°	56.2	58.0	88.0	84.3	99.2	86.1	69.3	211.6	277.1	282.7	172.3
87.5°	22.5	22.5	37.4	46.8	56.2	52.4	33.7	95.5	121.7	121.7	48.7
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°	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9
2.5°	668.5	661.0	655.4	651.6	642.3	632.9	634.8	632.9	625.4	621.7	621.7
5°	676.0	668.5	659.1	644.1	634.8	623.5	627.3	619.8	612.3	617.9	608.6
7.5°	694.7	681.6	668.5	646.0	631.0	614.2	606.7	602.9	597.3	593.6	593.6
10°	720.9	702.2	677.8	644.1	619.8	593.6	589.8	582.3	576.7	576.7	574.9
12.5°	747.1	726.5	685.3	631.0	589.8	571.1	569.2	571.1	574.9	576.7	578.6
15°	780.8	747.1	683.5	606.7	565.5	558.0	567.4	574.9	582.3	589.8	588.0
17.5°	812.7	773.3	666.6	576.7	544.9	546.8	563.6	578.6	593.6	601.1	602.9
20°	855.7	797.7	642.3	541.1	524.3	541.1	563.6	582.3	599.2	608.6	610.4
22.5°	904.4	825.8	610.4	509.3	507.4	524.3	546.8	574.9	593.6	610.4	608.6
25°	947.5	844.5	569.2	483.1	486.8	498.1	524.3	554.3	573.0	591.7	586.1
27.5°	975.6	848.2	526.2	464.4	464.4	475.6	500.0	518.7	535.5	550.5	552.4
30°	1007.4	840.7	477.5	440.0	440.0	455.0	464.4	475.6	485.0	488.7	492.5
32.5°	1044.8	823.9	447.5	421.3	421.3	432.5	438.2	434.4	432.5	423.2	428.8
35°	1080.4	799.6	413.8	397.0	404.5	410.1	408.2	397.0	385.7	368.9	363.3
37.5°	1123.5	775.2	383.9	370.8	383.9	385.7	385.7	372.6	357.6	337.0	337.0
40°	1189.0	756.5	359.5	353.9	367.0	365.1	355.8	346.4	352.0	340.8	340.8
42.5°	1258.3	749.0	337.0	338.9	344.5	346.4	337.0	325.8	348.3	335.2	337.0
45°	1344.4	754.6	322.1	320.2	333.3	331.4	325.8	316.5	323.9	290.2	280.9
47.5°	1425.0	765.8	314.6	307.1	322.1	325.8	318.3	297.7	286.5	265.9	262.1
50°	1498.0	790.2	307.1	292.1	307.1	314.6	301.5	279.0	265.9	252.8	252.8
52.5°	1567.3	825.8	303.3	275.3	288.4	297.7	290.2	267.8	252.8	247.2	241.6
55°	1638.4	857.6	297.7	264.0	267.8	286.5	284.6	254.7	239.7	239.7	237.8
57.5°	1739.5	900.7	290.2	245.3	252.8	273.4	273.4	249.0	232.2	234.1	235.9
60°	1842.5	951.2	282.7	226.6	232.2	260.3	264.0	241.6	226.6	228.4	226.6
62.5°	2007.3	1044.8	267.8	204.1	215.3	243.4	252.8	232.2	219.1	222.8	222.8
65°	2256.3	1205.9	235.9	185.4	198.5	228.4	241.6	222.8	207.8	219.1	215.3
67.5°	2657.1	1426.8	198.5	170.4	187.2	213.5	228.4	211.6	198.5	215.3	209.7
70°	3016.6	1535.4	170.4	157.3	170.4	196.6	213.5	200.4	187.2	204.1	196.6
72.5°	2870.5	1204.0	147.9	142.3	155.4	177.9	198.5	185.4	172.3	181.6	174.1
75°	2477.3	958.7	129.2	127.3	138.6	161.0	181.6	172.3	159.2	162.9	159.2
77.5°	1878.1	792.1	110.5	108.6	118.0	144.2	162.9	155.4	142.3	140.4	140.4
80°	838.9	389.5	91.8	91.8	97.4	123.6	138.6	134.8	121.7	119.8	118.0
82.5°	275.3	147.9	74.9	71.2	78.6	103.0	123.6	119.8	106.7	103.0	99.2
85°	110.5	71.2	54.3	54.3	61.8	86.1	110.5	103.0	86.1	76.8	76.8
87.5°	37.4	30.0	28.1	28.1	39.3	58.0	82.4	69.3	61.8	54.3	56.2
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)