

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: P472263

Luminaire Tested: **CCP-VA-3-727-U-T4FT**

Issue Date: 01/27/2021



Test Information

Test Method: LM-79-08
Report Number: P472263
Test Lab: INNOVATION CENTER(G3)
Issue Date: 01/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-VA-3-727-U-T4FT
Description: INVUE CLEARCURVE POLE MOUNT Wave Stream LUMINAIRE WITH T4FT
DISTRIBUTION LENS
Light Source: 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

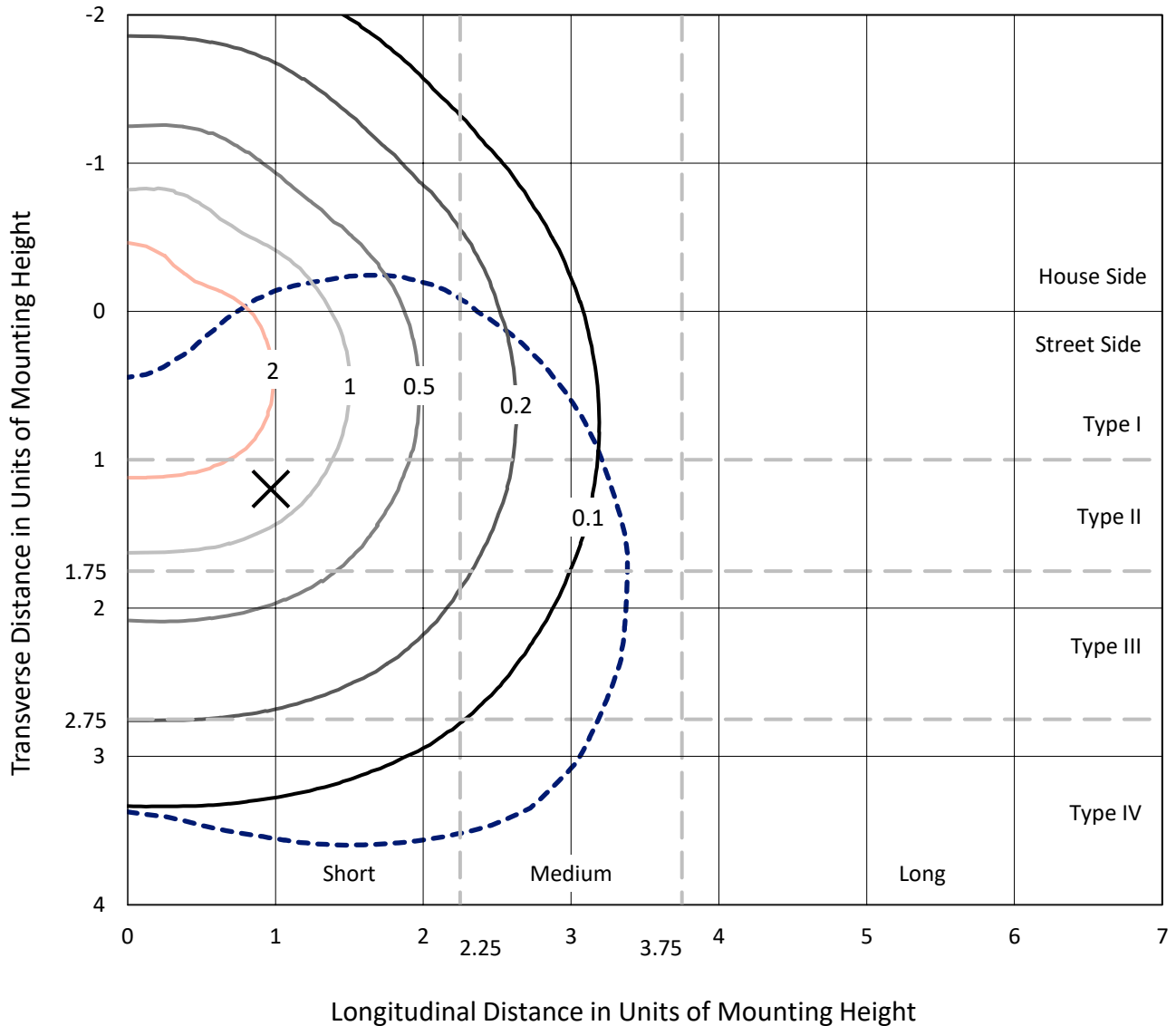
Lumens per Lamp: N/A
Luminaire Lumens: 4822.1 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 49.1
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

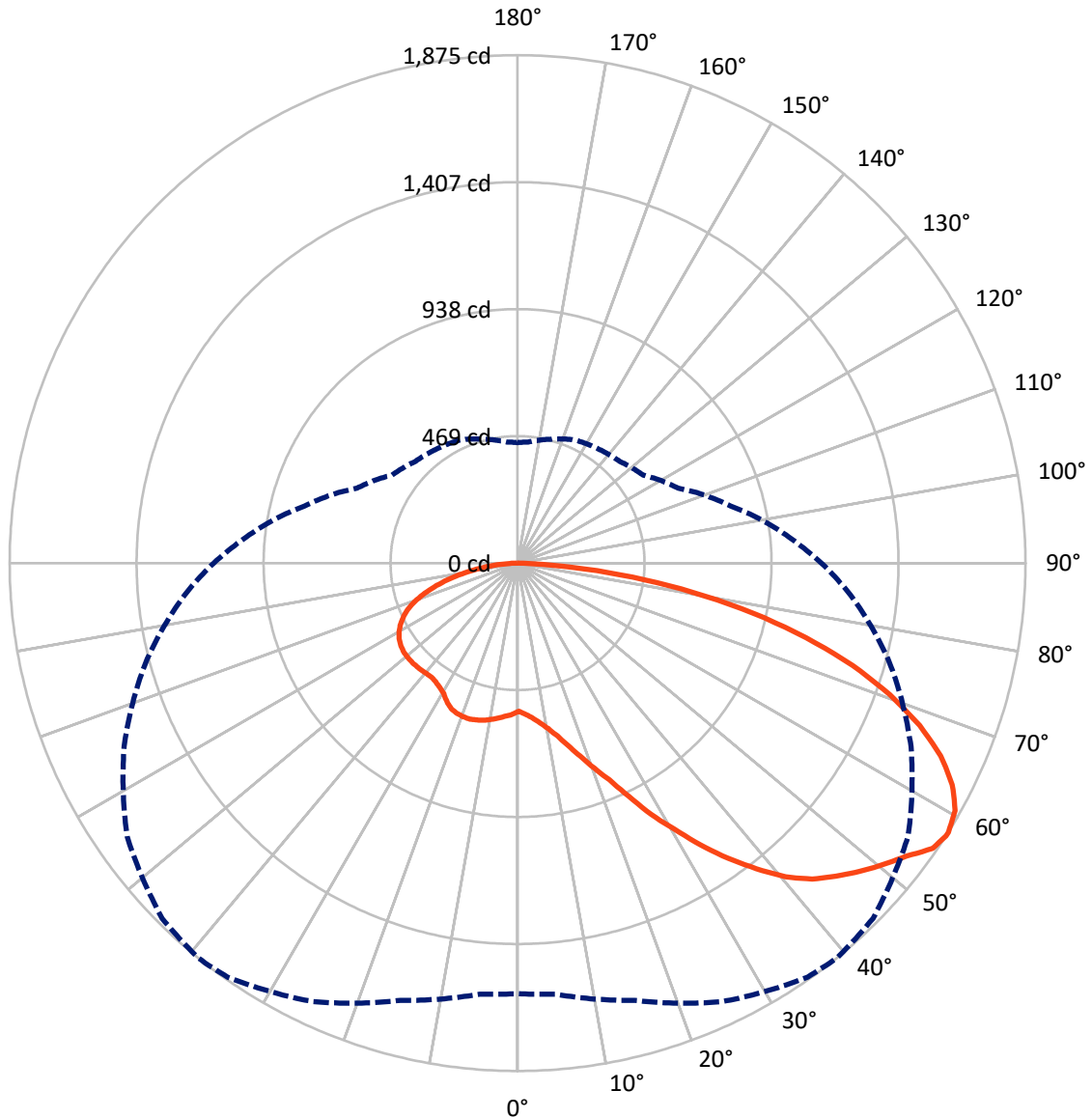
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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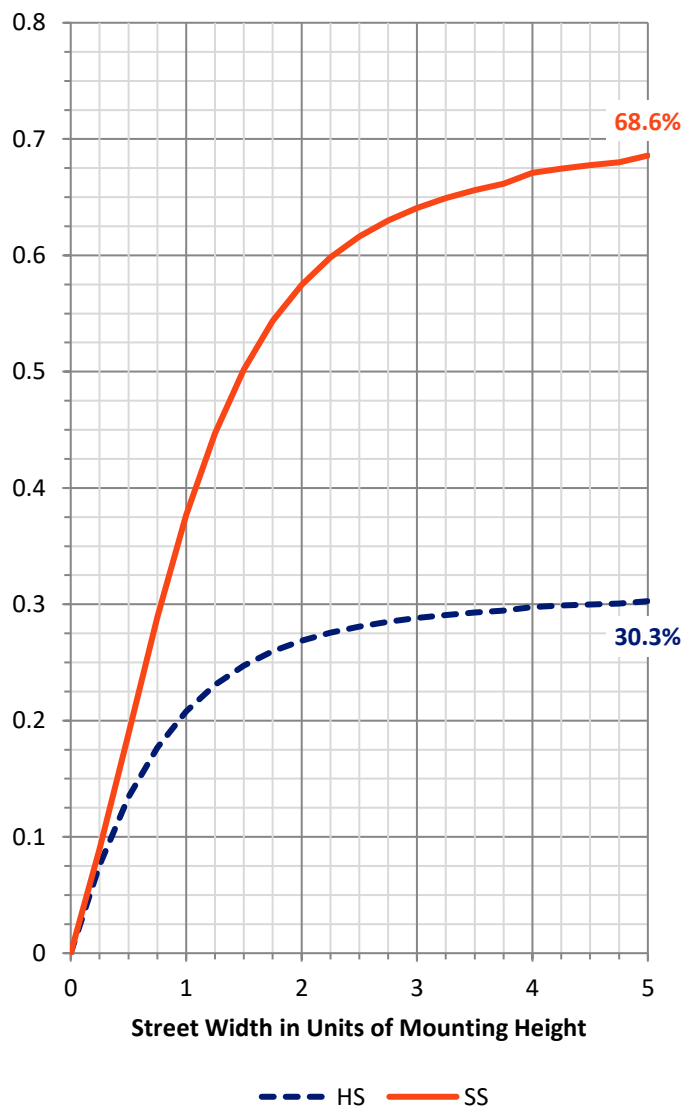
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1479.6	0.0	1479.6
	% Fixture	30.7	0.0	30.7
Street Side	Lumens	3342.5	0.0	3342.5
	% Fixture	69.3	0.0	69.3
Total	Lumens	4822.1	0.0	4822.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	1.1
10°-20°	184.6	3.8
20°-30°	356.7	7.4
30°-40°	577.0	12.0
40°-50°	810.6	16.8
50°-60°	1001.3	20.8
60°-70°	995.2	20.6
70°-80°	673.4	14.0
80°-90°	168.1	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°	4822.1	100.0
0°-180°	4822.1	100.0



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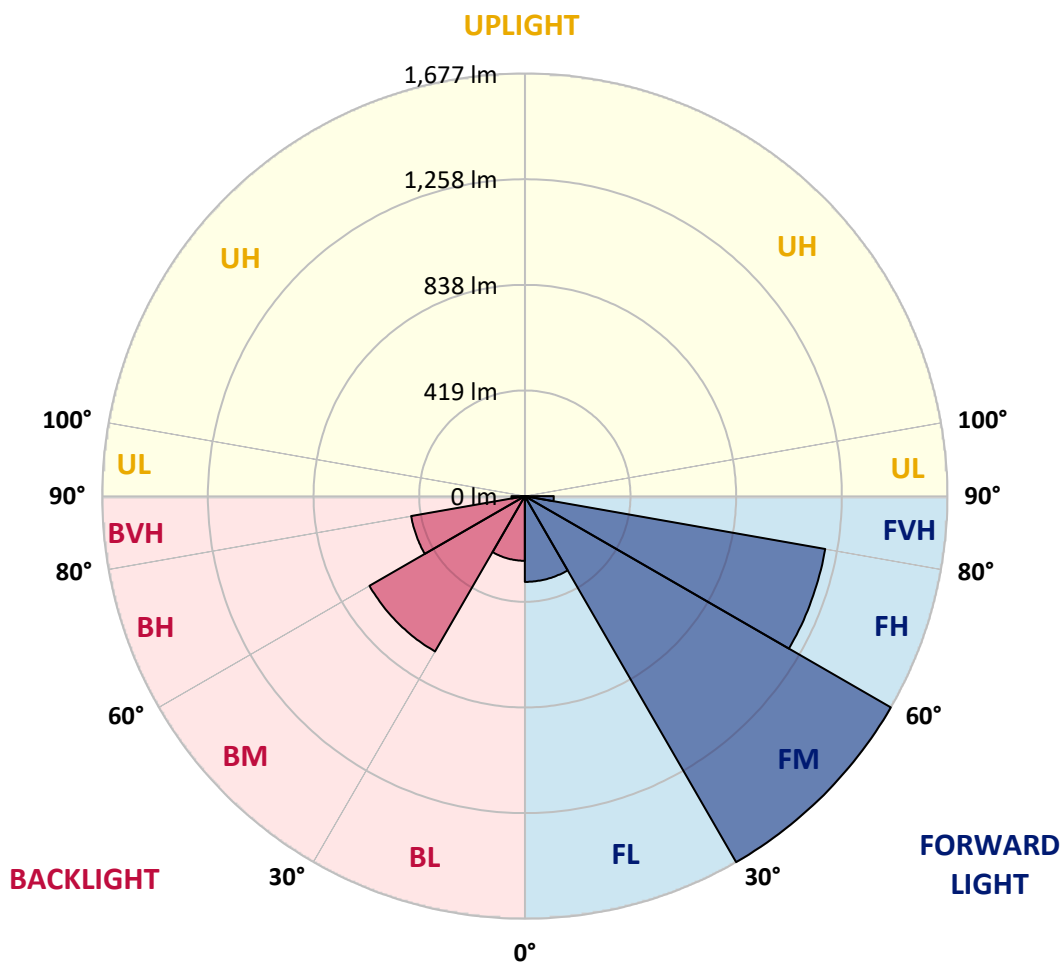
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.2	7.1			
FM (30°-60°)	1676.9	34.8			
FH (60°-80°)	1210.4	25.1			G1/1800
FVH (80°-90°)	115.0	2.4			G2/225
BL (0°-30°)	256.4	5.3	B1/500		
BM (30°-60°)	711.9	14.8	B1/1000		
BH (60°-80°)	458.2	9.5	B1/500		G1/500
BVH (80°-90°)	53.1	1.1			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8
2.5°	563.1	562.3	561.6	561.6	560.1	558.6	557.9	556.4	557.2	558.6	559.4
5°	579.3	577.8	577.8	576.4	574.1	574.1	571.9	569.0	568.2	567.5	567.5
7.5°	604.4	602.2	603.0	600.8	598.5	595.6	591.9	588.2	586.7	581.5	577.1
10°	633.3	632.5	630.3	626.6	624.4	621.4	617.7	611.1	605.9	600.0	596.3
12.5°	667.3	665.8	666.5	663.6	659.9	654.7	648.8	642.1	632.5	621.4	614.1
15°	711.6	708.6	708.6	707.9	700.5	699.0	693.1	678.3	665.0	650.3	633.3
17.5°	765.5	764.8	761.8	758.9	754.4	749.3	743.4	727.1	707.2	684.3	661.3
20°	823.2	821.7	823.9	819.5	810.6	808.4	798.8	780.3	755.9	729.3	694.6
22.5°	886.0	887.5	887.5	886.0	878.6	869.7	861.6	837.2	809.1	776.6	736.0
25°	962.1	962.8	967.3	971.7	967.3	953.2	942.1	904.5	866.8	825.4	777.4
27.5°	1047.8	1042.6	1055.2	1063.3	1055.2	1051.5	1027.1	985.7	934.0	882.3	822.4
30°	1130.6	1130.6	1140.9	1152.7	1147.6	1138.7	1118.7	1065.5	1006.4	940.7	868.2
32.5°	1207.4	1216.3	1220.7	1248.1	1245.1	1240.7	1217.8	1147.6	1073.7	999.0	912.6
35°	1298.3	1295.3	1313.8	1330.8	1344.1	1338.2	1321.2	1250.3	1153.5	1060.4	961.3
37.5°	1367.0	1372.9	1389.2	1419.5	1429.1	1432.0	1410.6	1337.5	1227.4	1126.1	1015.3
40°	1419.5	1423.9	1455.0	1493.4	1513.3	1523.7	1502.2	1413.6	1296.8	1178.6	1057.4
42.5°	1461.6	1464.6	1497.1	1551.8	1585.0	1595.4	1576.1	1482.3	1355.9	1220.7	1092.1
45°	1489.7	1494.9	1533.3	1589.4	1641.2	1648.6	1638.9	1542.9	1408.4	1260.6	1117.3
47.5°	1514.1	1520.0	1562.8	1633.8	1691.4	1701.0	1692.2	1596.1	1458.6	1296.8	1138.7
50°	1546.6	1553.2	1596.1	1675.2	1738.7	1749.8	1746.8	1652.2	1505.9	1337.5	1160.9
52.5°	1577.6	1582.8	1633.8	1721.7	1790.4	1797.8	1795.6	1704.7	1554.0	1381.1	1188.9
55°	1602.0	1607.9	1668.5	1777.1	1851.0	1859.2	1843.6	1745.4	1591.7	1412.8	1215.5
57°	1589.4	1597.6	1671.5	1786.7	1866.5	1875.4	1855.5	1760.1	1602.7	1421.7	1225.1
57.5°	1585.7	1591.7	1668.5	1786.0	1867.3	1875.4	1855.5	1759.4	1602.0	1421.0	1225.1
60°	1531.8	1545.8	1632.3	1759.4	1845.8	1856.2	1837.0	1729.8	1583.5	1400.3	1205.2
62.5°	1459.4	1478.6	1569.5	1696.6	1794.1	1801.5	1782.3	1680.3	1542.1	1356.7	1163.8
65°	1355.2	1384.8	1480.1	1602.7	1708.4	1717.3	1698.1	1597.6	1473.4	1290.2	1101.7
67.5°	1253.2	1271.0	1372.9	1489.7	1588.0	1601.3	1585.0	1495.6	1378.8	1201.5	1019.0
70°	1137.2	1149.8	1234.0	1348.5	1447.6	1458.6	1444.6	1361.1	1251.0	1091.4	922.2
72.5°	997.6	1010.9	1082.5	1188.2	1276.1	1293.9	1284.3	1197.8	1098.1	959.9	814.3
75°	840.2	854.9	919.2	1003.5	1089.2	1099.5	1088.4	1024.9	934.7	809.9	682.8
77.5°	681.3	690.9	737.5	801.0	867.5	889.7	886.7	841.6	750.8	651.7	548.3
80°	509.9	511.3	535.7	588.2	641.4	657.6	661.3	620.7	560.8	486.2	410.8
82.5°	322.2	327.3	340.6	379.8	405.7	427.8	433.0	409.4	371.7	325.1	278.6
85°	150.0	145.6	155.9	169.2	206.2	206.2	212.8	200.3	189.2	173.6	144.1
87.5°	12.6	11.8	11.8	12.6	20.0	21.4	34.0	37.7	40.6	40.6	42.9
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°	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8
2.5°	557.9	557.2	554.9	554.9	556.4	558.6	559.4	560.1	560.8	561.6	561.6
5°	566.8	566.0	564.5	563.1	564.5	565.3	567.5	569.0	569.0	570.5	569.7
7.5°	574.9	575.6	574.1	573.4	573.4	574.9	577.8	580.1	581.5	582.3	583.8
10°	593.4	588.9	583.0	580.1	580.1	583.0	586.0	588.9	591.9	593.4	593.4
12.5°	609.6	604.4	593.4	588.9	588.2	591.1	594.8	599.3	601.5	603.7	603.7
15°	624.4	620.0	606.7	596.3	593.4	595.6	600.0	605.2	608.9	611.1	611.1
17.5°	652.5	639.2	621.4	604.4	598.5	599.3	604.4	609.6	614.1	615.5	614.8
20°	679.1	662.1	635.5	611.1	601.5	598.5	603.7	610.4	614.1	616.3	616.3
22.5°	709.4	690.9	649.5	617.7	600.0	595.6	600.0	605.9	610.4	611.8	613.3
25°	752.2	719.7	665.0	622.9	597.8	588.9	591.9	597.8	603.0	603.7	603.0
27.5°	790.7	753.7	685.7	628.1	592.6	576.4	573.4	577.8	586.0	591.1	592.6
30°	823.9	789.9	707.2	632.5	583.0	555.7	552.0	553.5	558.6	572.7	573.4
32.5°	873.4	821.0	728.6	636.2	571.9	544.6	539.4	537.9	539.4	546.8	546.8
35°	907.4	855.7	750.0	642.9	563.8	535.7	530.6	528.3	526.9	519.5	517.3
37.5°	951.7	894.1	770.7	648.8	560.1	532.0	524.6	526.1	518.7	498.0	492.1
40°	1000.5	928.8	791.4	654.7	561.6	532.8	526.1	525.4	512.8	484.0	478.1
42.5°	1024.2	958.4	812.8	662.8	567.5	535.0	529.1	526.9	511.3	478.8	470.7
45°	1047.1	979.8	828.3	669.5	573.4	537.9	530.6	528.3	510.6	474.4	468.5
47.5°	1067.8	993.1	835.7	673.2	577.8	540.2	531.3	527.6	506.9	472.2	466.3
50°	1077.4	1000.5	835.7	673.2	579.3	542.4	529.8	524.6	501.0	468.5	463.3
52.5°	1092.1	1004.9	829.1	668.7	577.1	542.4	526.9	518.7	493.6	463.3	458.9
55°	1114.3	1013.1	820.2	662.1	571.9	537.9	521.7	510.6	483.3	455.9	452.2
57°	1121.7	1016.0	814.3	654.0	566.0	532.0	515.8	501.7	473.7	448.5	444.8
57.5°	1120.2	1014.6	812.1	651.7	563.8	529.8	514.3	499.5	471.4	447.1	443.4
60°	1100.3	1000.5	798.0	637.7	552.0	518.0	501.0	484.7	455.9	434.5	431.5
62.5°	1067.8	968.7	772.9	619.2	535.7	501.7	484.0	465.5	436.7	418.2	416.8
65°	1012.3	915.5	736.7	592.6	515.0	480.3	461.1	441.1	416.0	399.8	395.3
67.5°	920.0	844.6	685.7	555.7	483.3	453.7	433.0	412.3	389.4	375.4	372.4
70°	843.1	767.0	620.7	509.1	444.8	416.8	397.5	377.6	357.6	345.1	344.3
72.5°	745.6	672.4	539.4	451.5	396.1	368.7	353.9	336.2	320.7	309.6	309.6
75°	627.4	569.7	455.2	382.8	337.7	317.7	305.2	291.1	277.8	270.4	271.9
77.5°	498.8	455.2	371.7	309.6	276.4	263.1	251.2	243.1	235.0	228.3	229.1
80°	368.0	335.5	273.4	227.6	211.3	199.5	197.3	192.1	187.7	185.5	181.8
82.5°	252.0	223.2	181.8	155.9	144.1	140.4	141.1	141.1	141.9	141.9	140.4
85°	130.8	119.7	92.4	83.5	82.0	85.7	90.1	93.1	92.4	92.4	90.1
87.5°	37.7	34.0	29.6	26.6	28.1	30.3	26.6	25.9	25.1	24.4	24.4
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)