

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: STREETWORKS

Report Number: P853337

Luminaire Tested: **CRTK-N-30-727-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-30-727-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4321 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.3
Input Voltage (V): 120.0
Input Current (A_{in}): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

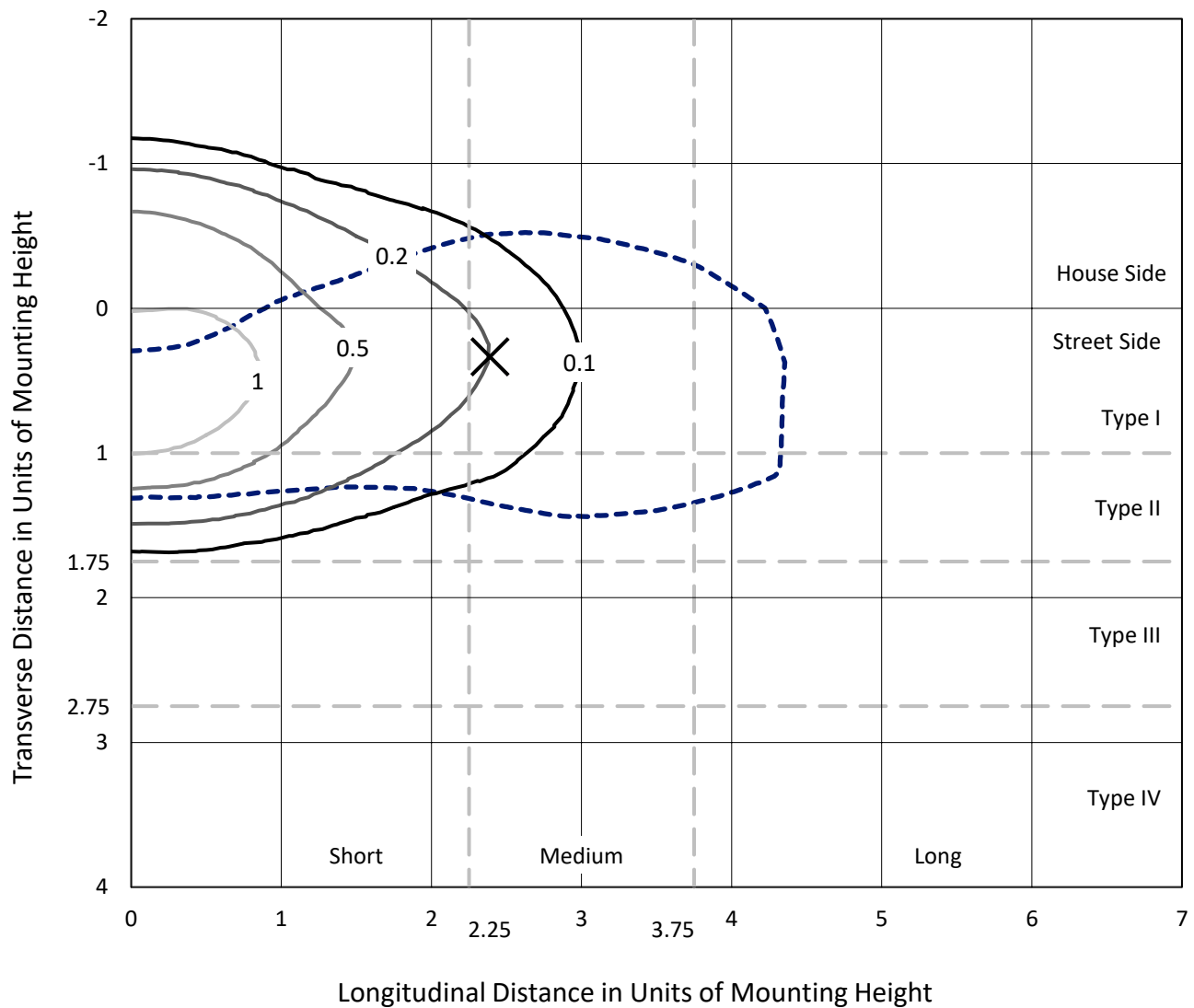


REPORT NUMBER: P853337

CATALOG NUMBER: CRTK-N-30-727-U-T2R

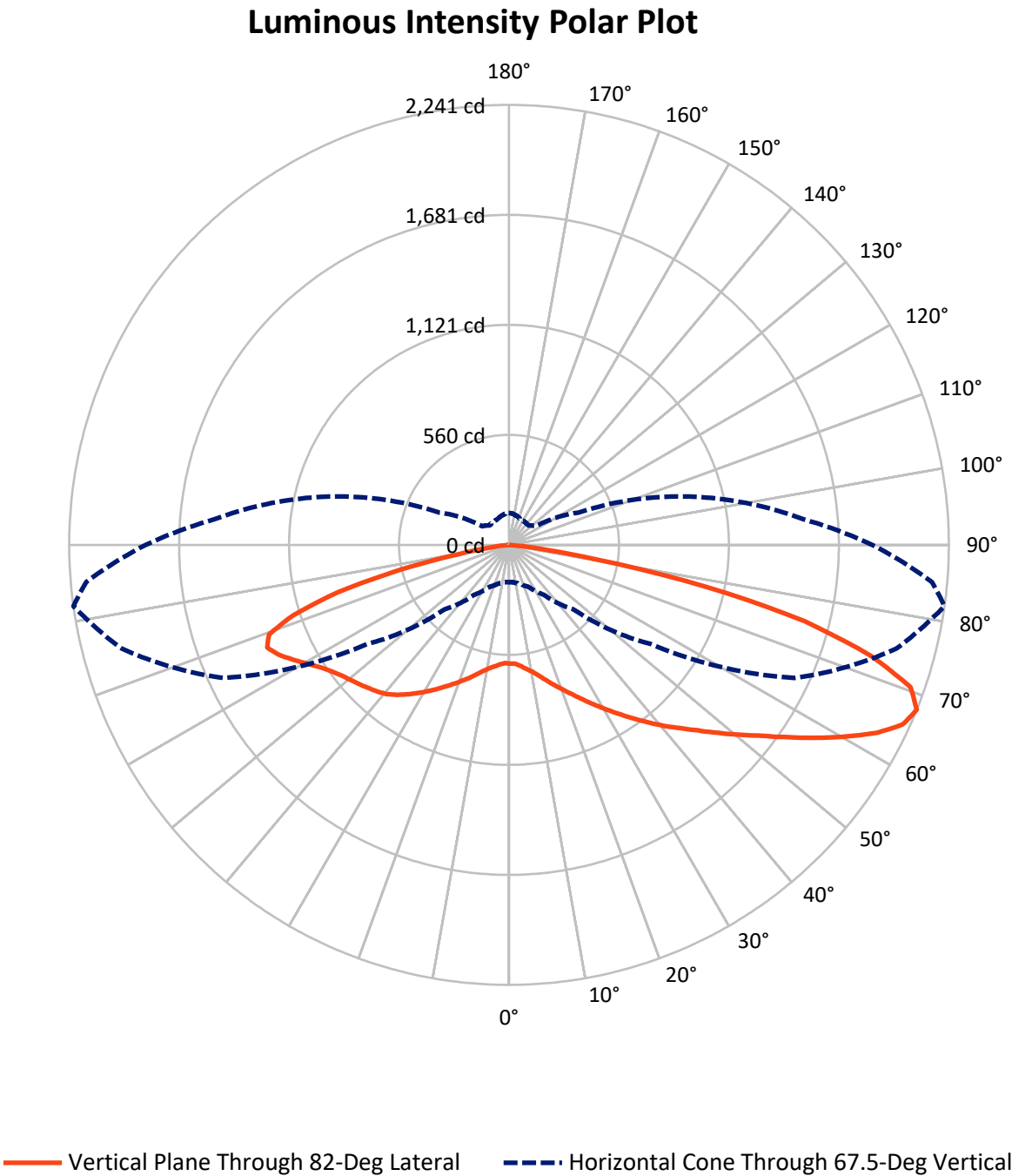
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type II - Medium - N/A

REPORT NUMBER: P853337
CATALOG NUMBER: CRTK-N-30-727-U-T2R



REPORT NUMBER: P853337

CATALOG NUMBER: CRTK-N-30-727-U-T2R

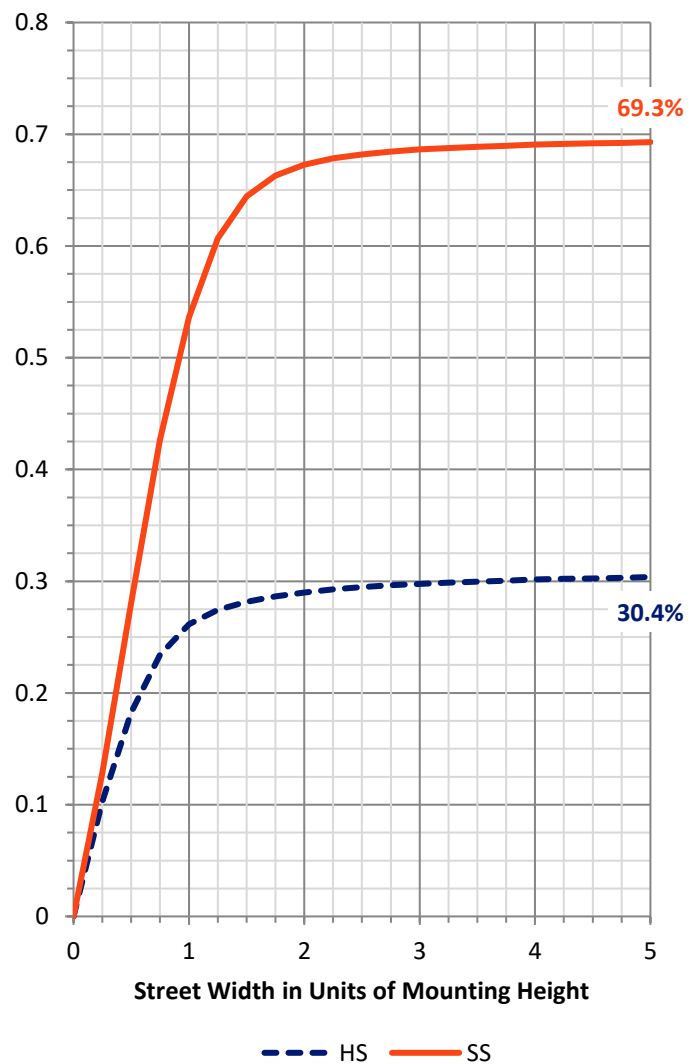
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1324.4	0.0	1324.4
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	2996.6	0.0	2996.6
	% Fixture	69.4	0.0	69.4
Total	Lumens	4321.0	0.0	4321.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	1.4
10°-20°	225.4	5.2
20°-30°	453.2	10.5
30°-40°	714.4	16.5
40°-50°	875.3	20.3
50°-60°	833.3	19.3
60°-70°	699.2	16.2
70°-80°	413.9	9.6
80°-90°	43.7	1.0
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°	4321.0	100.0
0°-180°	4321.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853337

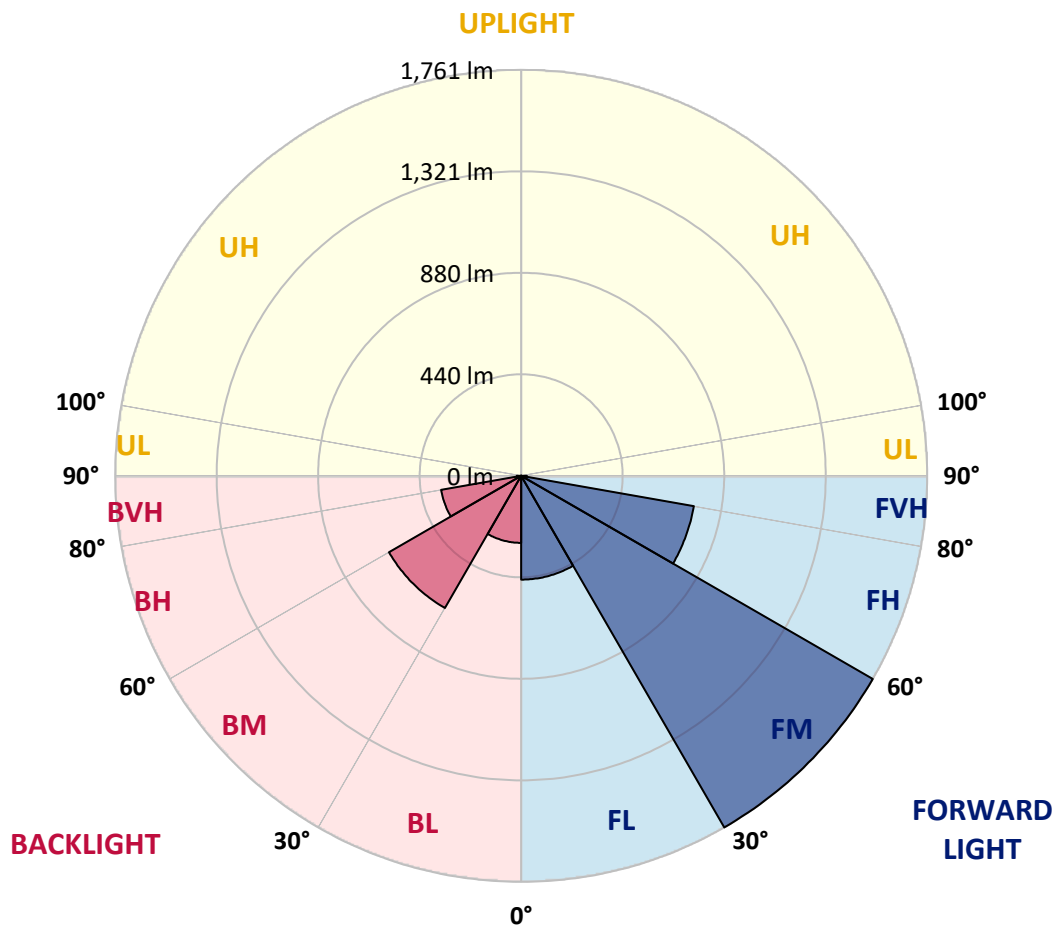
CATALOG NUMBER: CRTK-N-30-727-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.3	10.4			
FM	(30°-60°)	1760.9	40.8			
FH	(60°-80°)	760.6	17.6			G1/1800
FVH	(80°-90°)	24.8	0.6			G1/100
BL	(0°-30°)	290.9	6.7	B1/500		
BM	(30°-60°)	662.0	15.3	B1/1000		
BH	(60°-80°)	352.5	8.2	B1/500		G1/500
BVH	(80°-90°)	18.9	0.4			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



REPORT NUMBER: P853337

CATALOG NUMBER: CRTK-N-30-727-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7
2.5°	632.4	633.6	636.0	633.6	632.4	627.6	622.8	620.4	615.5	605.9	603.5
5°	691.3	692.5	694.9	685.3	680.5	667.2	655.2	644.4	632.4	619.2	616.7
7.5°	763.4	768.2	764.6	750.2	735.8	716.5	696.1	676.9	655.2	638.4	633.6
10°	844.0	851.2	844.0	822.3	803.1	771.8	740.6	711.7	680.5	657.6	651.6
12.5°	938.9	940.2	936.5	906.5	880.0	836.8	793.5	755.0	714.1	684.1	675.7
15°	1042.3	1050.8	1038.7	1001.5	964.2	908.9	853.6	804.3	753.8	716.5	706.9
17.5°	1154.2	1157.8	1148.1	1102.5	1055.6	985.8	917.3	856.0	794.7	751.4	739.4
20°	1270.8	1273.2	1261.2	1201.0	1149.3	1066.4	984.6	910.1	838.0	787.5	771.8
22.5°	1391.0	1394.6	1373.0	1310.4	1246.7	1152.9	1056.8	965.4	886.1	827.1	807.9
25°	1535.3	1535.3	1507.6	1433.1	1356.1	1249.1	1139.7	1032.7	938.9	871.6	847.6
27.5°	1683.1	1675.9	1651.9	1566.5	1473.9	1351.3	1228.7	1109.7	999.1	919.7	892.1
30°	1816.6	1815.4	1786.5	1694.0	1588.2	1452.3	1316.5	1187.8	1062.8	971.4	940.2
32.5°	1914.0	1915.2	1888.7	1803.4	1691.6	1550.9	1404.2	1264.8	1125.3	1025.5	993.1
35°	1984.9	1984.9	1963.3	1887.5	1781.7	1644.7	1495.6	1346.5	1193.8	1084.4	1049.6
37.5°	2007.7	2002.9	1993.3	1935.6	1844.2	1724.0	1585.8	1433.1	1266.0	1145.7	1103.7
40°	1972.9	1963.3	1972.9	1938.0	1871.9	1780.5	1663.9	1520.8	1341.7	1210.7	1160.2
42.5°	1898.3	1885.1	1904.3	1887.5	1858.7	1809.4	1722.8	1603.8	1421.0	1275.6	1216.7
45°	1801.0	1782.9	1805.8	1802.2	1797.3	1801.0	1757.7	1677.1	1507.6	1347.7	1281.6
47.5°	1657.9	1631.4	1679.5	1698.8	1715.6	1754.1	1761.3	1736.0	1599.0	1430.7	1352.5
50°	1425.9	1405.4	1489.6	1560.5	1613.4	1678.3	1730.0	1769.7	1691.6	1519.6	1430.7
52.5°	1128.9	1107.3	1221.5	1366.9	1484.8	1585.8	1665.1	1776.9	1780.5	1614.6	1519.6
55°	821.1	828.3	934.1	1108.5	1309.2	1478.8	1583.4	1758.9	1862.3	1728.8	1627.8
57.5°	583.1	589.1	680.5	825.9	1082.0	1340.5	1506.4	1718.0	1940.4	1853.9	1752.9
60°	397.9	416.0	483.3	593.9	825.9	1150.5	1428.3	1668.7	1999.3	1980.1	1885.1
62.5°	292.1	301.8	343.8	426.8	589.1	910.1	1311.6	1633.8	2037.8	2106.3	1999.3
65°	227.2	232.0	256.1	311.4	422.0	662.4	1125.3	1626.6	2052.2	2204.9	2114.7
67.5°	190.0	190.0	203.2	235.6	310.2	464.1	880.0	1603.8	2042.6	2241.0	2162.8
70°	159.9	158.7	169.5	190.0	233.2	330.6	620.4	1495.6	1990.9	2170.0	2102.7
72.5°	129.8	129.8	144.3	157.5	182.7	240.4	406.4	1263.6	1834.6	1926.0	1876.7
75°	104.6	103.4	114.2	132.2	144.3	175.5	254.9	919.7	1562.9	1556.9	1504.0
77.5°	80.6	79.3	89.0	108.2	116.6	129.8	165.9	554.2	1084.4	1030.3	1033.9
80°	61.3	58.9	64.9	79.3	81.8	84.2	92.6	226.0	486.9	444.8	443.6
82.5°	38.5	38.5	40.9	50.5	48.1	49.3	42.1	75.7	171.9	146.7	151.5
85°	14.4	14.4	18.0	21.6	19.2	18.0	13.2	16.8	26.4	20.4	19.2
87.5°	1.2	1.2	1.2	2.4	2.4	2.4	1.2	1.2	1.2	1.2	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853337

CATALOG NUMBER: CRTK-N-30-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7
2.5°	602.3	602.3	602.3	603.5	599.9	597.5	593.9	591.5	591.5	592.7	595.1
5°	613.1	611.9	610.7	610.7	607.1	604.7	602.3	599.9	599.9	602.3	602.3
7.5°	627.6	625.2	621.6	621.6	619.2	616.7	615.5	613.1	614.3	615.5	616.7
10°	643.2	639.6	636.0	636.0	633.6	631.2	631.2	627.6	628.8	630.0	631.2
12.5°	664.8	661.2	654.0	656.4	654.0	651.6	649.2	645.6	643.2	645.6	645.6
15°	692.5	686.5	679.3	681.7	678.1	673.3	669.6	662.4	660.0	660.0	661.2
17.5°	721.3	714.1	704.5	706.9	700.9	692.5	684.1	675.7	672.1	670.9	670.9
20°	751.4	740.6	728.6	731.0	718.9	705.7	693.7	679.3	673.3	670.9	670.9
22.5°	781.5	769.4	753.8	751.4	733.4	712.9	693.7	675.7	664.8	662.4	661.2
25°	816.3	800.7	780.3	773.0	746.6	716.5	688.9	666.0	652.8	649.2	648.0
27.5°	854.8	834.4	807.9	791.1	753.8	712.9	676.9	649.2	633.6	627.6	627.6
30°	893.3	869.2	833.2	804.3	752.6	700.9	657.6	624.0	605.9	597.5	597.5
32.5°	936.5	904.1	857.2	810.3	744.2	681.7	631.2	592.7	571.1	561.4	560.2
35°	983.4	943.8	877.6	812.7	731.0	657.6	601.1	559.0	537.4	525.4	524.2
37.5°	1032.7	982.2	893.3	809.1	712.9	630.0	568.7	526.6	497.7	478.5	477.3
40°	1077.2	1018.3	905.3	799.5	690.1	599.9	535.0	478.5	438.8	417.2	414.8
42.5°	1118.1	1043.5	911.3	785.1	664.8	563.9	488.1	417.2	376.3	354.7	353.5
45°	1162.6	1070.0	910.1	768.2	631.2	523.0	429.2	357.1	321.0	303.0	301.8
47.5°	1210.7	1096.4	910.1	749.0	593.9	470.1	370.3	305.4	271.7	256.1	254.9
50°	1261.2	1125.3	906.5	726.2	550.6	407.6	312.6	256.1	229.6	217.6	217.6
52.5°	1321.3	1156.6	905.3	698.5	498.9	346.2	260.9	216.4	196.0	190.0	190.0
55°	1393.4	1195.0	907.7	664.8	438.8	286.1	220.0	188.8	176.7	174.3	174.3
57.5°	1483.6	1244.3	914.9	627.6	372.7	234.4	190.0	173.1	169.5	168.3	168.3
60°	1584.6	1304.4	928.1	585.5	309.0	196.0	171.9	165.9	164.7	169.5	169.5
62.5°	1690.4	1371.8	949.8	531.4	252.5	169.5	161.1	158.7	159.9	168.3	168.3
65°	1788.9	1441.5	967.8	468.9	203.2	153.9	151.5	151.5	157.5	167.1	167.1
67.5°	1851.5	1504.0	951.0	389.5	165.9	140.7	141.9	143.1	152.7	161.1	162.3
70°	1827.4	1500.4	852.4	294.5	137.1	128.6	132.2	134.7	140.7	152.7	156.3
72.5°	1660.3	1363.3	661.2	200.8	115.4	115.4	121.4	125.0	128.6	140.7	147.9
75°	1385.0	1104.9	441.2	132.2	96.2	104.6	110.6	111.8	115.4	126.2	129.8
77.5°	969.0	721.3	242.9	89.0	75.7	85.4	92.6	97.4	102.2	107.0	109.4
80°	424.4	321.0	116.6	58.9	56.5	63.7	69.7	79.3	87.8	96.2	97.4
82.5°	139.5	113.0	52.9	33.7	33.7	40.9	46.9	58.9	68.5	81.8	81.8
85°	19.2	14.4	15.6	13.2	14.4	19.2	24.0	31.3	34.9	34.9	30.1
87.5°	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6	2.4	2.4	1.2
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)