

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: P853283

Luminaire Tested: **CRTK-N-20-727-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853283
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-20-727-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3303 lumens
Efficiency: N/A
Efficacy: 142.4 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): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

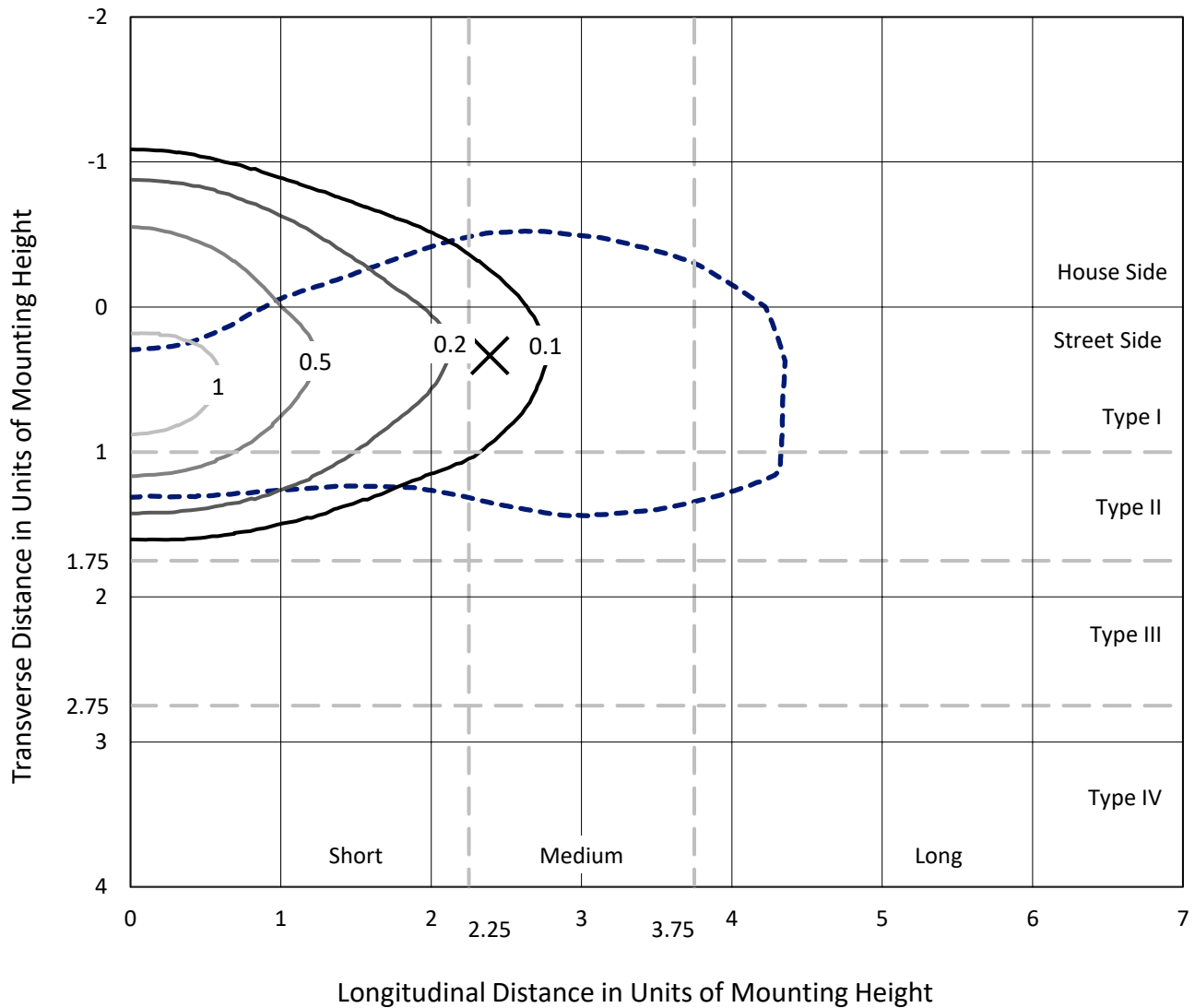


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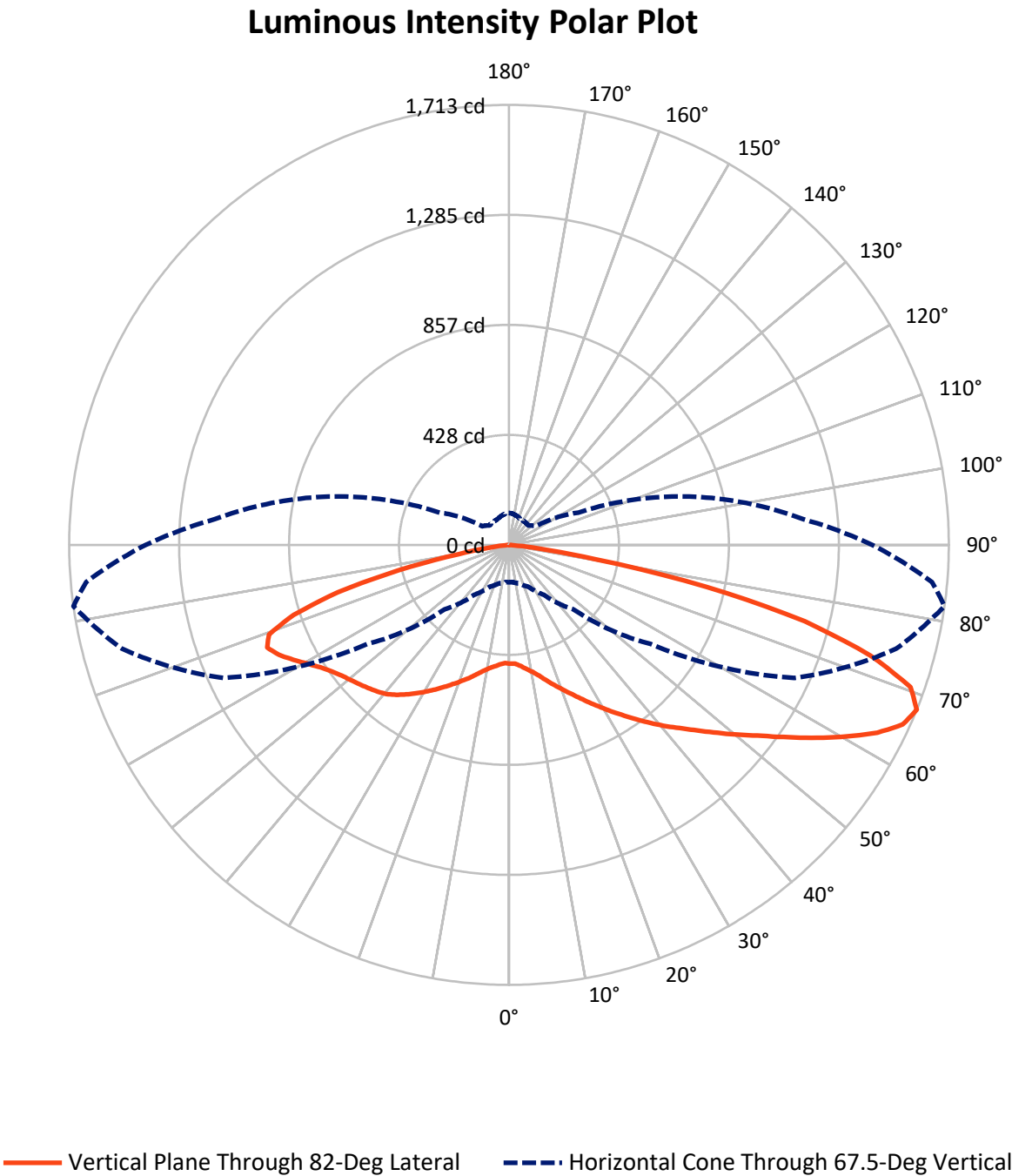
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Medium - N/A

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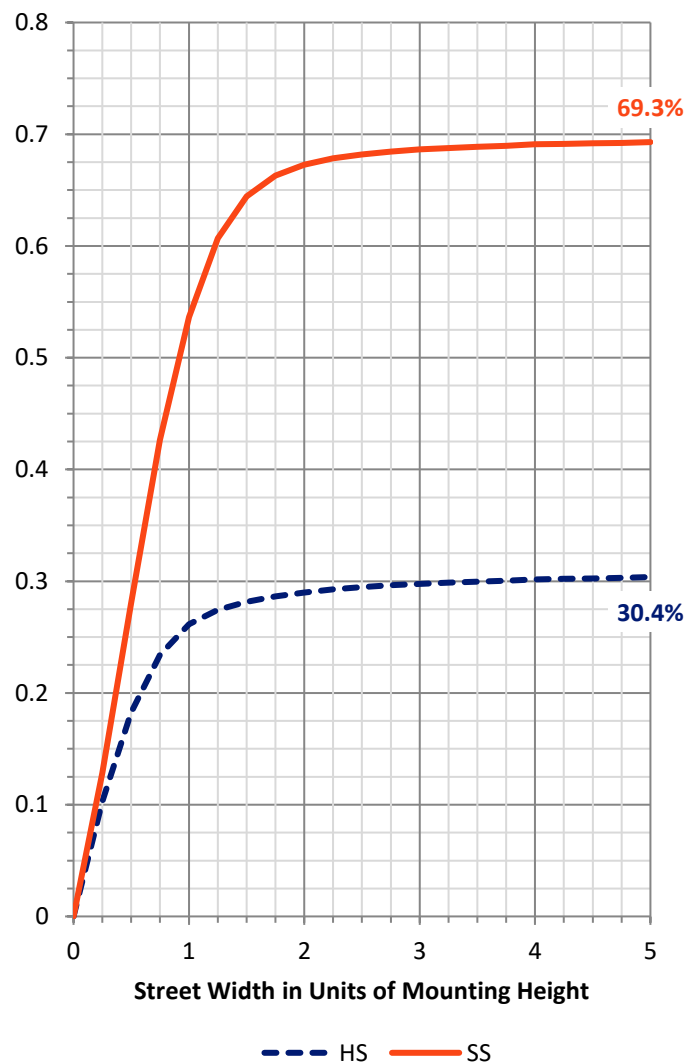
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.3	0.0	1012.3
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	2290.7	0.0	2290.7
	% Fixture	69.4	0.0	69.4
Total	Lumens	3303.0	0.0	3303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.4
10°-20°	172.3	5.2
20°-30°	346.4	10.5
30°-40°	546.1	16.5
40°-50°	669.1	20.3
50°-60°	637.0	19.3
60°-70°	534.5	16.2
70°-80°	316.4	9.6
80°-90°	33.4	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°	3303.0	100.0
0°-180°	3303.0	100.0

Coefficient of Utilization



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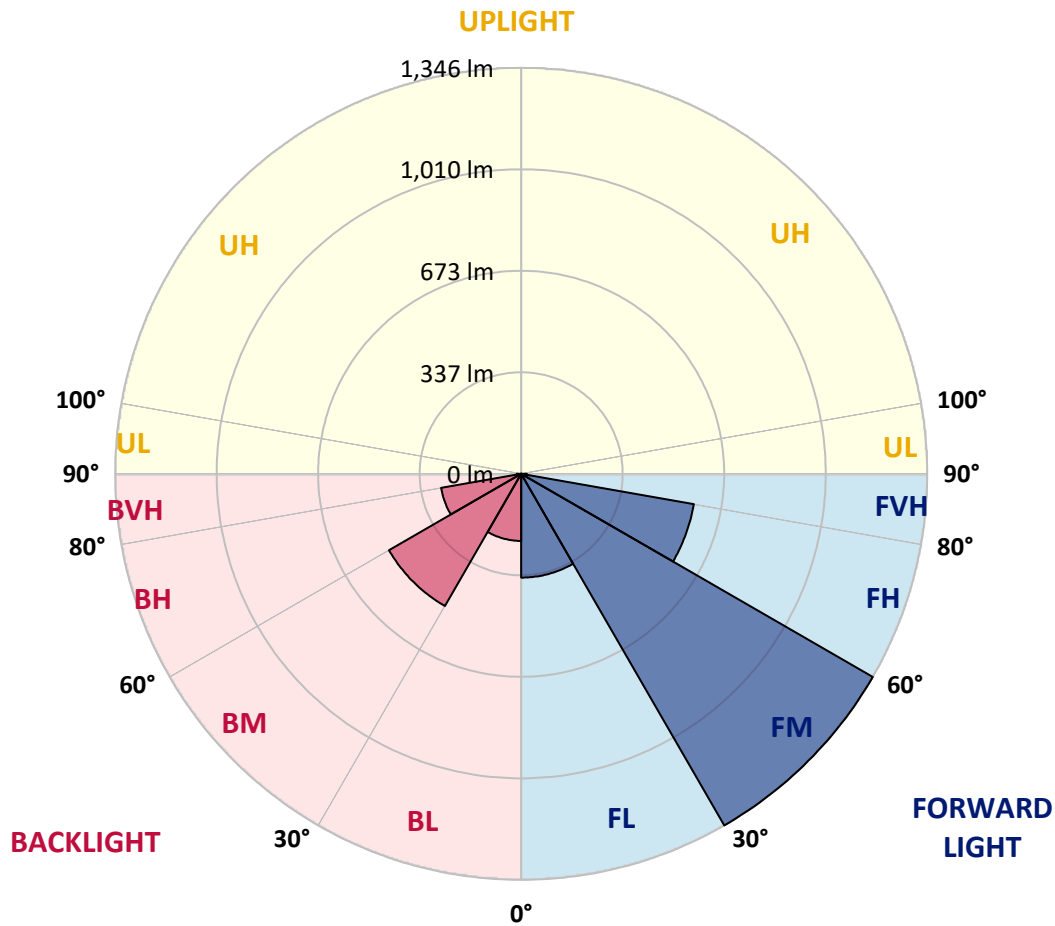
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.2	10.4			
FM	(30°-60°)	1346.1	40.8			
FH	(60°-80°)	581.4	17.6			G0/660
FVH	(80°-90°)	19.0	0.6			G1/100
BL	(0°-30°)	222.4	6.7	B1/500		
BM	(30°-60°)	506.1	15.3	B1/1000		
BH	(60°-80°)	269.5	8.2	B1/500		G1/500
BVH	(80°-90°)	14.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3
2.5°	483.4	484.3	486.2	484.3	483.4	479.7	476.0	474.2	470.5	463.2	461.3
5°	528.4	529.3	531.2	523.8	520.2	510.0	500.9	492.6	483.4	473.3	471.4
7.5°	583.6	587.2	584.5	573.5	562.4	547.7	532.1	517.4	500.9	488.0	484.3
10°	645.1	650.7	645.1	628.6	613.9	590.0	566.1	544.0	520.2	502.7	498.1
12.5°	717.7	718.7	715.9	692.9	672.7	639.6	606.5	577.1	545.9	522.9	516.5
15°	796.8	803.2	794.0	765.5	737.0	694.8	652.5	614.8	576.2	547.7	540.4
17.5°	882.2	885.0	877.6	842.7	806.9	753.6	701.2	654.3	607.5	574.4	565.2
20°	971.4	973.2	964.0	918.1	878.6	815.2	752.7	695.7	640.5	601.9	590.0
22.5°	1063.3	1066.0	1049.5	1001.7	953.0	881.3	807.8	738.0	677.3	632.3	617.6
25°	1173.6	1173.6	1152.4	1095.4	1036.6	954.8	871.2	789.4	717.7	666.3	647.9
27.5°	1286.6	1281.1	1262.7	1197.5	1126.7	1033.0	939.2	848.2	763.7	703.0	681.9
30°	1388.6	1387.7	1365.6	1294.9	1214.0	1110.2	1006.3	908.0	812.4	742.6	718.7
32.5°	1463.0	1464.0	1443.7	1378.5	1293.0	1185.5	1073.4	966.8	860.2	783.9	759.1
35°	1517.3	1517.3	1500.7	1442.8	1362.0	1257.2	1143.2	1029.3	912.6	828.9	802.3
37.5°	1534.7	1531.1	1523.7	1479.6	1409.7	1317.8	1212.2	1095.4	967.7	875.8	843.6
40°	1508.1	1500.7	1508.1	1481.4	1430.9	1361.0	1271.9	1162.5	1025.6	925.4	886.8
42.5°	1451.1	1441.0	1455.7	1442.8	1420.8	1383.1	1316.9	1225.9	1086.3	975.1	930.0
45°	1376.7	1362.9	1380.3	1377.6	1373.9	1376.7	1343.6	1282.0	1152.4	1030.2	979.7
47.5°	1267.3	1247.1	1283.8	1298.5	1311.4	1340.8	1346.3	1327.0	1222.3	1093.6	1033.9
50°	1089.9	1074.3	1138.6	1192.9	1233.3	1282.9	1322.4	1352.8	1293.0	1161.6	1093.6
52.5°	862.9	846.4	933.7	1044.9	1135.0	1212.2	1272.8	1358.3	1361.0	1234.2	1161.6
55°	627.7	633.2	714.1	847.3	1000.8	1130.4	1210.3	1344.5	1423.5	1321.5	1244.3
57.5°	445.7	450.3	520.2	631.4	827.1	1024.7	1151.5	1313.3	1483.3	1417.1	1339.9
60°	304.2	318.0	369.4	454.0	631.4	879.5	1091.8	1275.6	1528.3	1513.6	1441.0
62.5°	223.3	230.7	262.8	326.2	450.3	695.7	1002.6	1248.9	1557.7	1610.1	1528.3
65°	173.7	177.4	195.7	238.0	322.6	506.4	860.2	1243.4	1568.7	1685.4	1616.5
67.5°	145.2	145.2	155.3	180.1	237.1	354.7	672.7	1225.9	1561.4	1713.0	1653.3
70°	122.2	121.3	129.6	145.2	178.3	252.7	474.2	1143.2	1521.9	1658.8	1607.3
72.5°	99.3	99.3	110.3	120.4	139.7	183.8	310.6	965.9	1402.4	1472.2	1434.6
75°	80.0	79.0	87.3	101.1	110.3	134.2	194.8	703.0	1194.7	1190.1	1149.7
77.5°	61.6	60.7	68.0	82.7	89.1	99.3	126.8	423.7	828.9	787.6	790.3
80°	46.9	45.0	49.6	60.7	62.5	64.3	70.8	172.8	372.2	340.0	339.1
82.5°	29.4	29.4	31.2	38.6	36.8	37.7	32.2	57.9	131.4	112.1	115.8
85°	11.0	11.0	13.8	16.5	14.7	13.8	10.1	12.9	20.2	15.6	14.7
87.5°	0.9	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	0.9	1.8
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°	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3
2.5°	460.4	460.4	460.4	461.3	458.6	456.7	454.0	452.1	452.1	453.1	454.9
5°	468.7	467.8	466.9	466.9	464.1	462.3	460.4	458.6	458.6	460.4	460.4
7.5°	479.7	477.9	475.1	475.1	473.3	471.4	470.5	468.7	469.6	470.5	471.4
10°	491.7	488.9	486.2	486.2	484.3	482.5	482.5	479.7	480.6	481.6	482.5
12.5°	508.2	505.5	499.9	501.8	499.9	498.1	496.3	493.5	491.7	493.5	493.5
15°	529.3	524.7	519.2	521.1	518.3	514.6	511.9	506.4	504.5	504.5	505.5
17.5°	551.4	545.9	538.5	540.4	535.8	529.3	522.9	516.5	513.7	512.8	512.8
20°	574.4	566.1	556.9	558.8	549.6	539.5	530.3	519.2	514.6	512.8	512.8
22.5°	597.4	588.2	576.2	574.4	560.6	545.0	530.3	516.5	508.2	506.4	505.5
25°	624.0	612.1	596.4	590.9	570.7	547.7	526.6	509.1	499.0	496.3	495.3
27.5°	653.4	637.8	617.6	604.7	576.2	545.0	517.4	496.3	484.3	479.7	479.7
30°	682.8	664.4	636.9	614.8	575.3	535.8	502.7	477.0	463.2	456.7	456.7
32.5°	715.9	691.1	655.2	619.4	568.9	521.1	482.5	453.1	436.5	429.2	428.3
35°	751.7	721.4	670.9	621.2	558.8	502.7	459.5	427.3	410.8	401.6	400.7
37.5°	789.4	750.8	682.8	618.5	545.0	481.6	434.7	402.5	380.5	365.8	364.8
40°	823.4	778.4	692.0	611.1	527.5	458.6	409.0	365.8	335.4	318.9	317.1
42.5°	854.7	797.7	696.6	600.1	508.2	431.0	373.1	318.9	287.6	271.1	270.2
45°	888.7	817.9	695.7	587.2	482.5	399.8	328.1	272.9	245.4	231.6	230.7
47.5°	925.4	838.1	695.7	572.5	454.0	359.3	283.1	233.4	207.7	195.7	194.8
50°	964.0	860.2	692.9	555.1	420.9	311.5	238.9	195.7	175.5	166.3	166.3
52.5°	1010.0	884.1	692.0	533.9	381.4	264.7	199.4	165.4	149.8	145.2	145.2
55°	1065.1	913.5	693.8	508.2	335.4	218.7	168.2	144.3	135.1	133.3	133.3
57.5°	1134.0	951.2	699.4	479.7	284.9	179.2	145.2	132.3	129.6	128.7	128.7
60°	1211.2	997.1	709.5	447.6	236.2	149.8	131.4	126.8	125.9	129.6	129.6
62.5°	1292.1	1048.6	726.0	406.2	193.0	129.6	123.1	121.3	122.2	128.7	128.7
65°	1367.5	1101.9	739.8	358.4	155.3	117.6	115.8	115.8	120.4	127.7	127.7
67.5°	1415.3	1149.7	726.9	297.8	126.8	107.5	108.4	109.4	116.7	123.1	124.1
70°	1396.9	1146.9	651.6	225.2	104.8	98.3	101.1	102.9	107.5	116.7	119.5
72.5°	1269.1	1042.1	505.5	153.5	88.2	88.2	92.8	95.6	98.3	107.5	113.0
75°	1058.7	844.6	337.3	101.1	73.5	80.0	84.5	85.5	88.2	96.5	99.3
77.5°	740.7	551.4	185.6	68.0	57.9	65.2	70.8	74.4	78.1	81.8	83.6
80°	324.4	245.4	89.1	45.0	43.2	48.7	53.3	60.7	67.1	73.5	74.4
82.5°	106.6	86.4	40.4	25.7	25.7	31.2	35.8	45.0	52.4	62.5	62.5
85°	14.7	11.0	11.9	10.1	11.0	14.7	18.4	23.9	26.7	26.7	23.0
87.5°	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	1.8	1.8	0.9
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)