

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: P853292

Luminaire Tested: **CRTK-N-20-730-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853292
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-20-730-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3423 lumens
Efficiency: N/A
Efficacy: 147.5 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



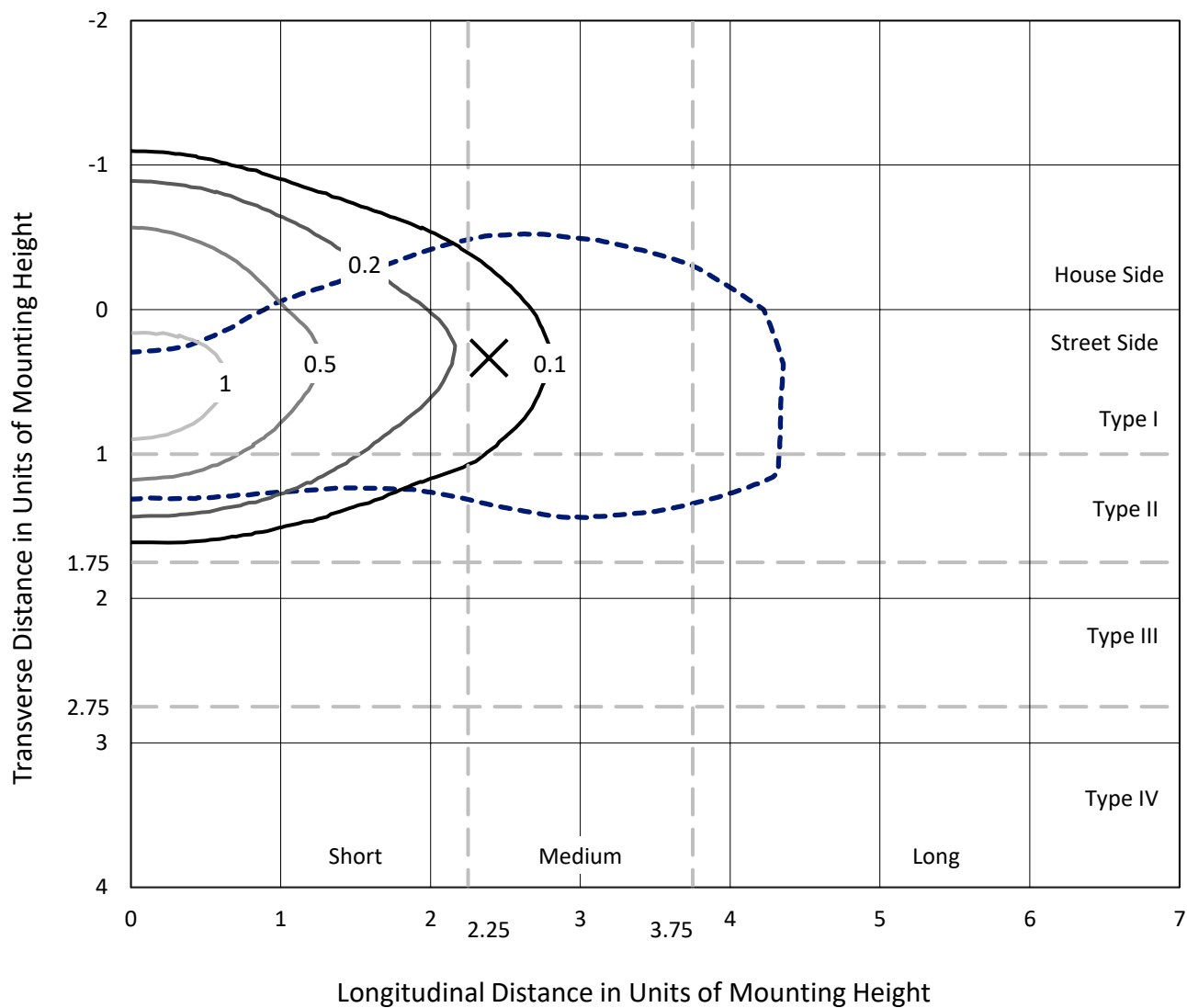
REPORT NUMBER: P853292

CATALOG NUMBER: CRTK-N-20-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

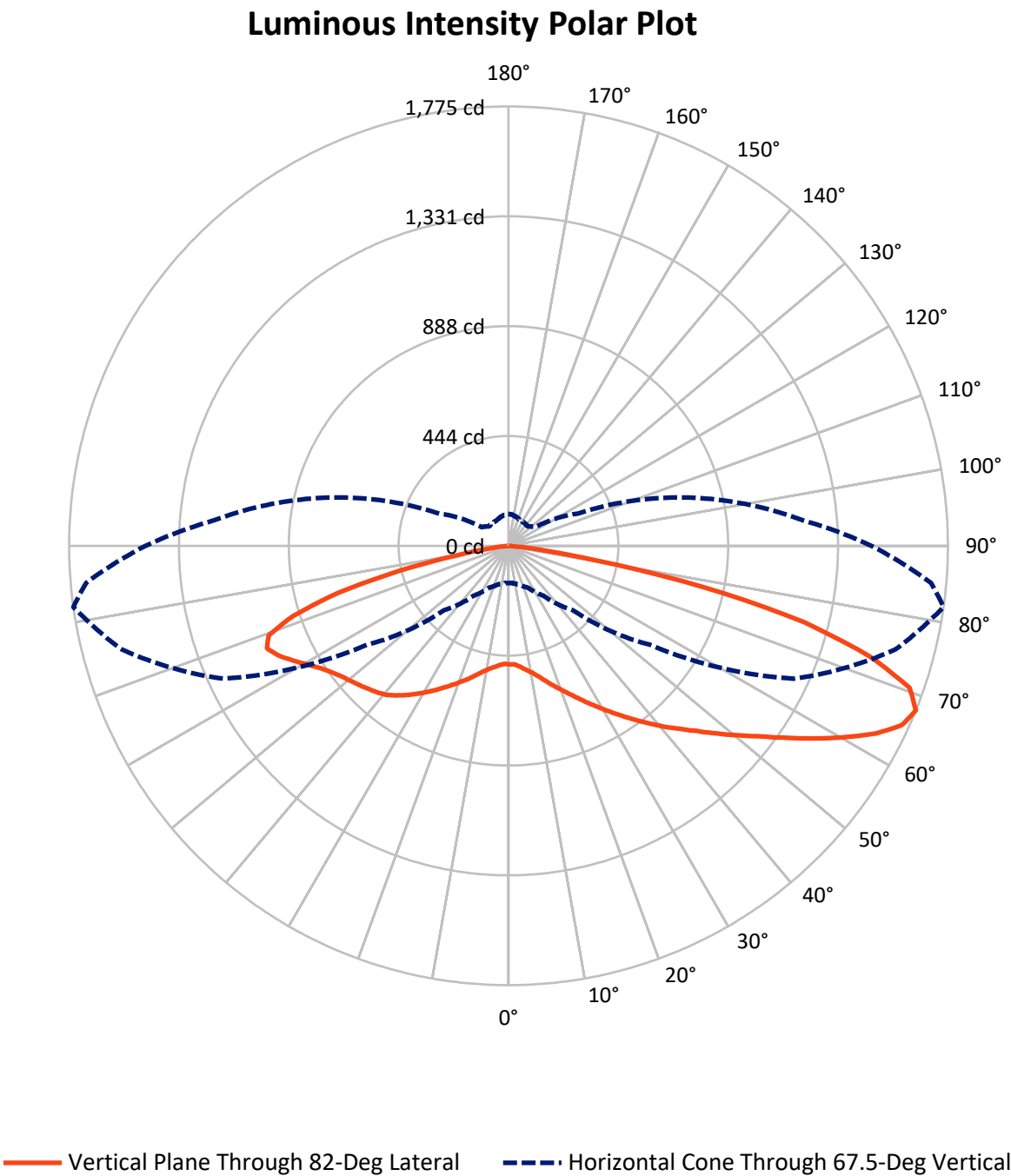
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type II - Medium - N/A

REPORT NUMBER: P853292
CATALOG NUMBER: CRTK-N-20-730-U-T2R



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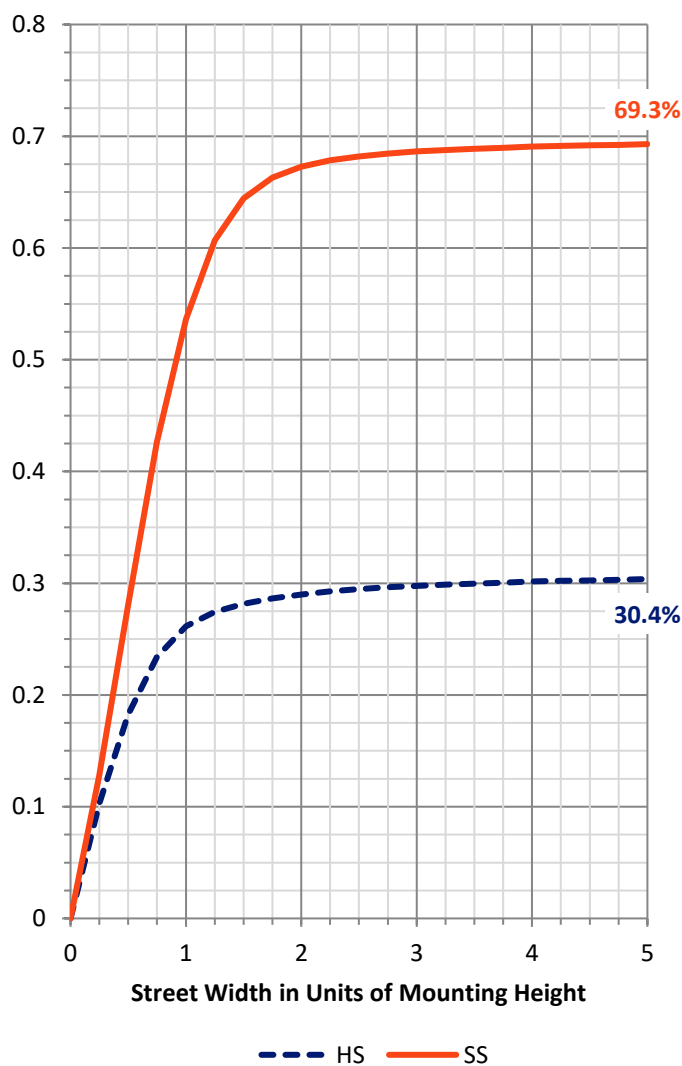
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1049.1	0.0	1049.1
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	2373.9	0.0	2373.9
	% Fixture	69.4	0.0	69.4
Total	Lumens	3423.0	0.0	3423.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.4
10°-20°	178.5	5.2
20°-30°	359.0	10.5
30°-40°	565.9	16.5
40°-50°	693.4	20.3
50°-60°	660.2	19.3
60°-70°	553.9	16.2
70°-80°	327.9	9.6
80°-90°	34.6	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°	3423.0	100.0
0°-180°	3423.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853292

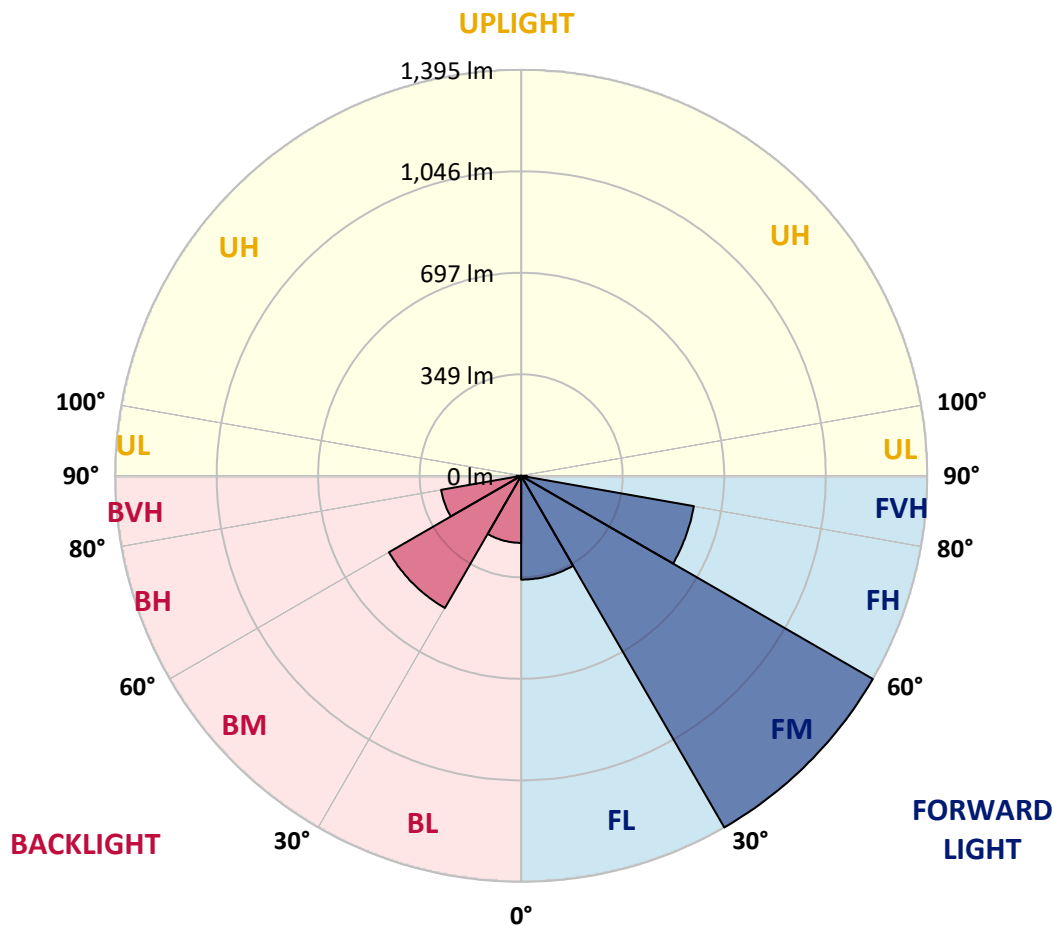
CATALOG NUMBER: CRTK-N-20-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.7	10.4			
FM	(30°-60°)	1395.0	40.8			
FH	(60°-80°)	602.6	17.6			G0/660
FVH	(80°-90°)	19.7	0.6			G1/100
BL	(0°-30°)	230.4	6.7	B1/500		
BM	(30°-60°)	524.5	15.3	B1/1000		
BH	(60°-80°)	279.3	8.2	B1/500		G1/500
BVH	(80°-90°)	15.0	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: P853292

CATALOG NUMBER: CRTK-N-20-730-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1
2.5°	501.0	501.9	503.8	501.9	501.0	497.1	493.3	491.4	487.6	480.0	478.1
5°	547.6	548.6	550.5	542.9	539.1	528.6	519.1	510.5	501.0	490.5	488.6
7.5°	604.8	608.6	605.7	594.3	582.9	567.6	551.4	536.2	519.1	505.7	501.9
10°	668.6	674.3	668.6	651.4	636.2	611.4	586.7	563.8	539.1	521.0	516.2
12.5°	743.8	744.8	741.9	718.1	697.1	662.9	628.6	598.1	565.7	541.9	535.2
15°	825.7	832.4	822.9	793.3	763.8	720.0	676.2	637.1	597.1	567.6	560.0
17.5°	914.3	917.1	909.5	873.3	836.2	781.0	726.7	678.1	629.5	595.2	585.7
20°	1006.7	1008.6	999.1	951.4	910.5	844.8	780.0	721.0	663.8	623.8	611.4
22.5°	1101.9	1104.8	1087.6	1038.1	987.6	913.3	837.1	764.8	701.9	655.2	640.0
25°	1216.2	1216.2	1194.3	1135.2	1074.3	989.5	902.9	818.1	743.8	690.5	671.4
27.5°	1333.3	1327.6	1308.6	1241.0	1167.6	1070.5	973.3	879.1	791.4	728.6	706.7
30°	1439.1	1438.1	1415.2	1341.9	1258.1	1150.5	1042.9	941.0	841.9	769.5	744.8
32.5°	1516.2	1517.2	1496.2	1428.6	1340.0	1228.6	1112.4	1001.9	891.4	812.4	786.7
35°	1572.4	1572.4	1555.2	1495.2	1411.4	1302.9	1184.8	1066.7	945.7	859.1	831.4
37.5°	1590.5	1586.7	1579.1	1533.3	1461.0	1365.7	1256.2	1135.2	1002.9	907.6	874.3
40°	1562.9	1555.2	1562.9	1535.2	1482.9	1410.5	1318.1	1204.8	1062.9	959.1	919.1
42.5°	1503.8	1493.3	1508.6	1495.2	1472.4	1433.3	1364.8	1270.5	1125.7	1010.5	963.8
45°	1426.7	1412.4	1430.5	1427.6	1423.8	1426.7	1392.4	1328.6	1194.3	1067.6	1015.2
47.5°	1313.3	1292.4	1330.5	1345.7	1359.1	1389.5	1395.2	1375.2	1266.7	1133.3	1071.4
50°	1129.5	1113.3	1180.0	1236.2	1278.1	1329.5	1370.5	1401.9	1340.0	1203.8	1133.3
52.5°	894.3	877.1	967.6	1082.9	1176.2	1256.2	1319.1	1407.6	1410.5	1279.1	1203.8
55°	650.5	656.2	740.0	878.1	1037.2	1171.4	1254.3	1393.3	1475.2	1369.5	1289.5
57.5°	461.9	466.7	539.1	654.3	857.1	1061.9	1193.3	1361.0	1537.2	1468.6	1388.6
60°	315.2	329.5	382.9	470.5	654.3	911.4	1131.4	1321.9	1583.8	1568.6	1493.3
62.5°	231.4	239.0	272.4	338.1	466.7	721.0	1039.1	1294.3	1614.3	1668.6	1583.8
65°	180.0	183.8	202.9	246.7	334.3	524.8	891.4	1288.6	1625.7	1746.7	1675.3
67.5°	150.5	150.5	161.0	186.7	245.7	367.6	697.1	1270.5	1618.1	1775.3	1713.3
70°	126.7	125.7	134.3	150.5	184.8	261.9	491.4	1184.8	1577.2	1719.1	1665.7
72.5°	102.9	102.9	114.3	124.8	144.8	190.5	321.9	1001.0	1453.3	1525.7	1486.7
75°	82.9	81.9	90.5	104.8	114.3	139.0	201.9	728.6	1238.1	1233.3	1191.4
77.5°	63.8	62.9	70.5	85.7	92.4	102.9	131.4	439.1	859.1	816.2	819.1
80°	48.6	46.7	51.4	62.9	64.8	66.7	73.3	179.0	385.7	352.4	351.4
82.5°	30.5	30.5	32.4	40.0	38.1	39.0	33.3	60.0	136.2	116.2	120.0
85°	11.4	11.4	14.3	17.1	15.2	14.3	10.5	13.3	21.0	16.2	15.2
87.5°	1.0	1.0	1.0	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.9
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: P853292

CATALOG NUMBER: CRTK-N-20-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1
2.5°	477.1	477.1	477.1	478.1	475.2	473.3	470.5	468.6	468.6	469.5	471.4
5°	485.7	484.8	483.8	483.8	481.0	479.1	477.1	475.2	475.2	477.1	477.1
7.5°	497.1	495.2	492.4	492.4	490.5	488.6	487.6	485.7	486.7	487.6	488.6
10°	509.5	506.7	503.8	503.8	501.9	500.0	500.0	497.1	498.1	499.1	500.0
12.5°	526.7	523.8	518.1	520.0	518.1	516.2	514.3	511.4	509.5	511.4	511.4
15°	548.6	543.8	538.1	540.0	537.1	533.3	530.5	524.8	522.9	522.9	523.8
17.5°	571.4	565.7	558.1	560.0	555.2	548.6	541.9	535.2	532.4	531.4	531.4
20°	595.2	586.7	577.1	579.1	569.5	559.1	549.5	538.1	533.3	531.4	531.4
22.5°	619.1	609.5	597.1	595.2	581.0	564.8	549.5	535.2	526.7	524.8	523.8
25°	646.7	634.3	618.1	612.4	591.4	567.6	545.7	527.6	517.1	514.3	513.3
27.5°	677.1	661.0	640.0	626.7	597.1	564.8	536.2	514.3	501.9	497.1	497.1
30°	707.6	688.6	660.0	637.1	596.2	555.2	521.0	494.3	480.0	473.3	473.3
32.5°	741.9	716.2	679.1	641.9	589.5	540.0	500.0	469.5	452.4	444.8	443.8
35°	779.1	747.6	695.2	643.8	579.1	521.0	476.2	442.9	425.7	416.2	415.2
37.5°	818.1	778.1	707.6	641.0	564.8	499.1	450.5	417.1	394.3	379.1	378.1
40°	853.3	806.7	717.1	633.3	546.7	475.2	423.8	379.1	347.6	330.5	328.6
42.5°	885.7	826.7	721.9	621.9	526.7	446.7	386.7	330.5	298.1	281.0	280.0
45°	921.0	847.6	721.0	608.6	500.0	414.3	340.0	282.9	254.3	240.0	239.0
47.5°	959.1	868.6	721.0	593.3	470.5	372.4	293.3	241.9	215.2	202.9	201.9
50°	999.1	891.4	718.1	575.2	436.2	322.9	247.6	202.9	181.9	172.4	172.4
52.5°	1046.7	916.2	717.1	553.3	395.2	274.3	206.7	171.4	155.2	150.5	150.5
55°	1103.8	946.7	719.1	526.7	347.6	226.7	174.3	149.5	140.0	138.1	138.1
57.5°	1175.2	985.7	724.8	497.1	295.2	185.7	150.5	137.1	134.3	133.3	133.3
60°	1255.2	1033.3	735.2	463.8	244.8	155.2	136.2	131.4	130.5	134.3	134.3
62.5°	1339.1	1086.7	752.4	421.0	200.0	134.3	127.6	125.7	126.7	133.3	133.3
65°	1417.2	1141.9	766.7	371.4	161.0	121.9	120.0	120.0	124.8	132.4	132.4
67.5°	1466.7	1191.4	753.3	308.6	131.4	111.4	112.4	113.3	121.0	127.6	128.6
70°	1447.6	1188.6	675.2	233.3	108.6	101.9	104.8	106.7	111.4	121.0	123.8
72.5°	1315.2	1080.0	523.8	159.0	91.4	91.4	96.2	99.0	101.9	111.4	117.1
75°	1097.2	875.2	349.5	104.8	76.2	82.9	87.6	88.6	91.4	100.0	102.9
77.5°	767.6	571.4	192.4	70.5	60.0	67.6	73.3	77.1	81.0	84.8	86.7
80°	336.2	254.3	92.4	46.7	44.8	50.5	55.2	62.9	69.5	76.2	77.1
82.5°	110.5	89.5	41.9	26.7	26.7	32.4	37.1	46.7	54.3	64.8	64.8
85°	15.2	11.4	12.4	10.5	11.4	15.2	19.0	24.8	27.6	27.6	23.8
87.5°	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	1.9	1.9	1.0
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)