

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: P853295

Luminaire Tested: **CRTK-N-20-730-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-7)
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-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3410 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

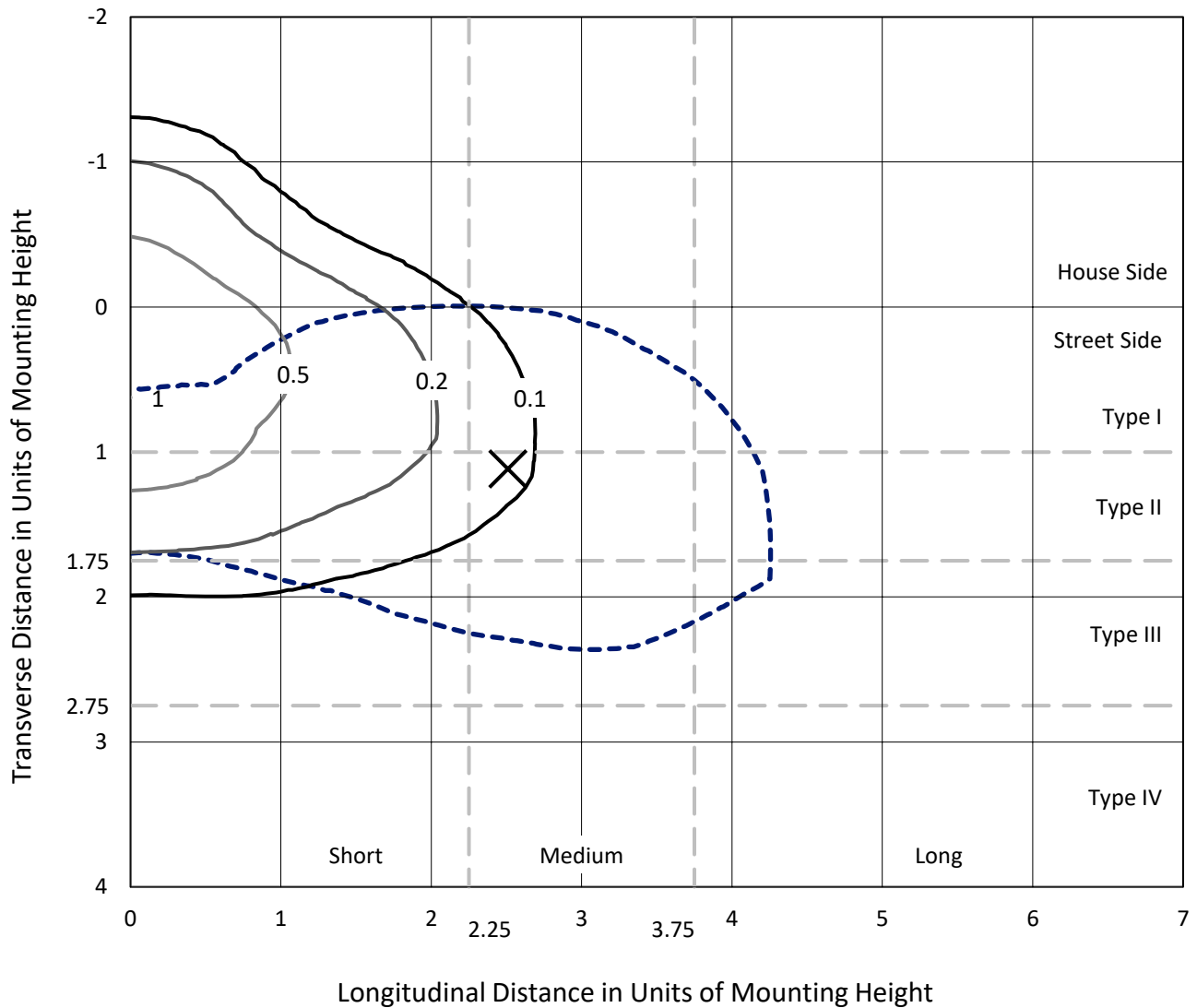
Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

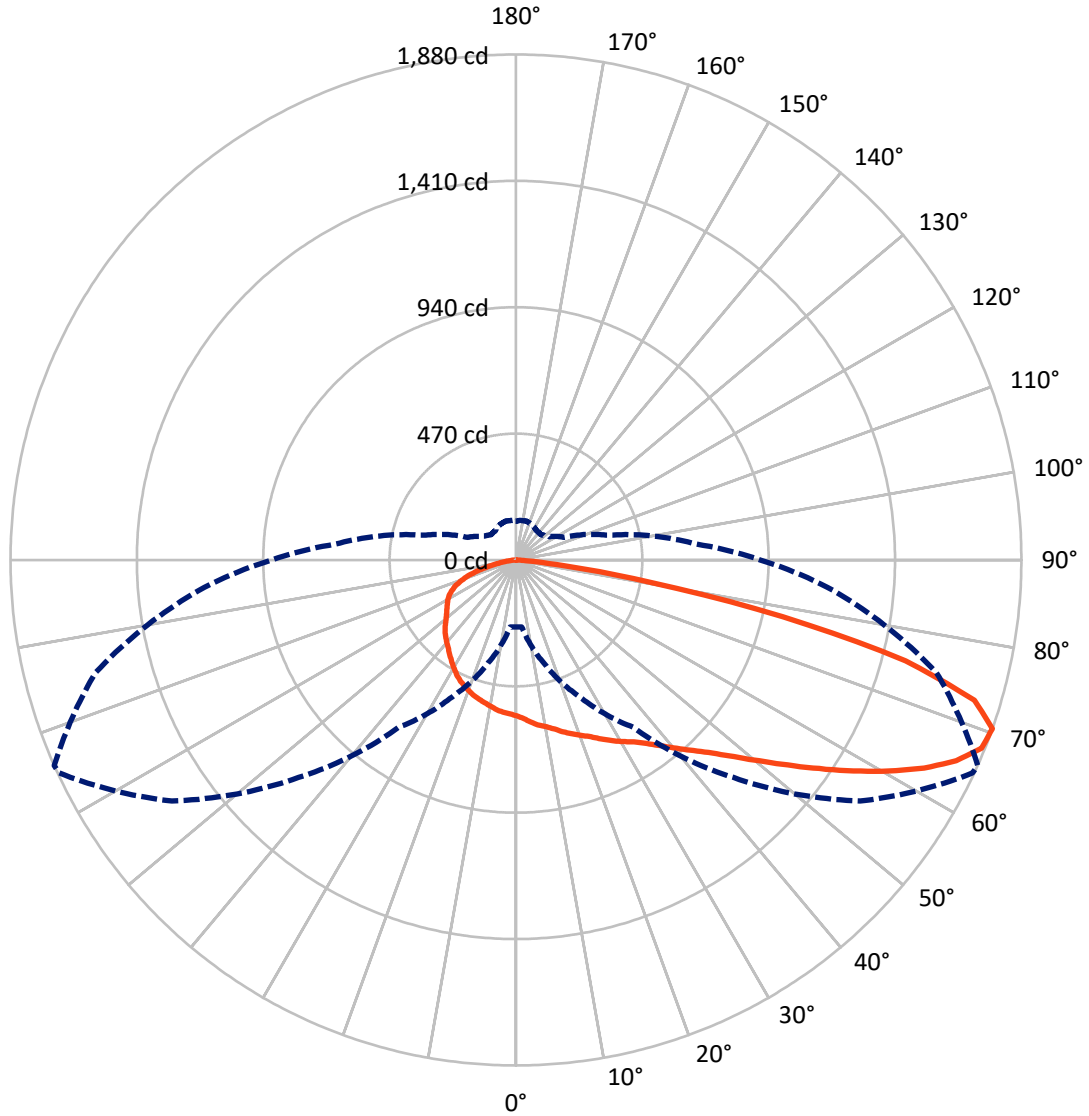
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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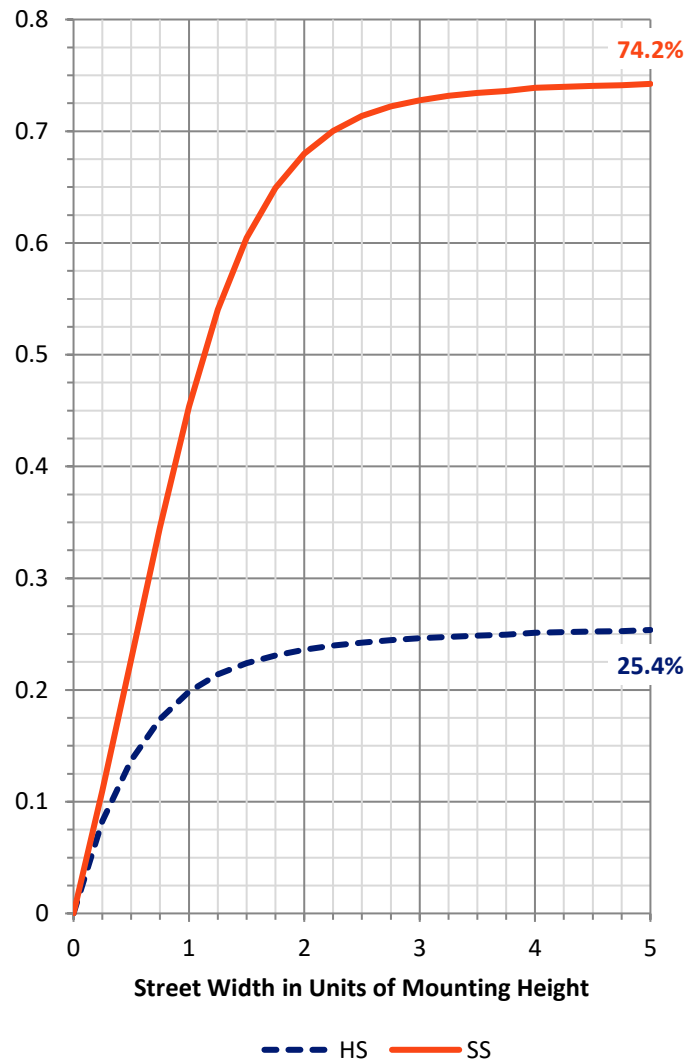
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	874.1	0.0	874.1
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	2535.9	0.0	2535.9
	% Fixture	74.4	0.0	74.4
Total	Lumens	3410.0	0.0	3410.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	1.6
10°-20°	166.9	4.9
20°-30°	282.2	8.3
30°-40°	428.6	12.6
40°-50°	584.5	17.1
50°-60°	695.1	20.4
60°-70°	711.5	20.9
70°-80°	438.2	12.8
80°-90°	47.2	1.4
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°	3410.0	100.0
0°-180°	3410.0	100.0

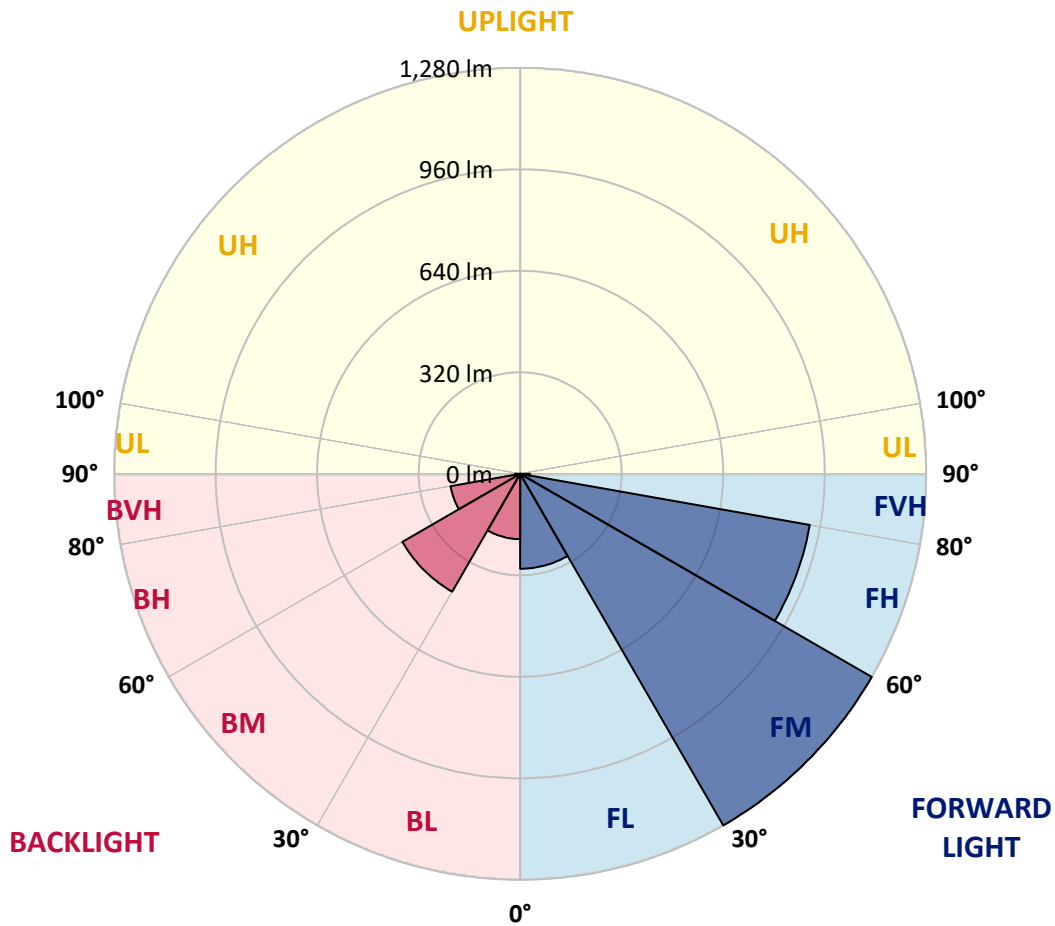


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.0	8.8			
FM (30°-60°)	1279.5	37.5			
FH (60°-80°)	926.9	27.2			G1/1800
FVH (80°-90°)	30.4	0.9			G1/100
BL (0°-30°)	205.9	6.0	B1/500		
BM (30°-60°)	428.7	12.6	B1/1000		
BH (60°-80°)	222.8	6.5	B1/500		G1/500
BVH (80°-90°)	16.7	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0
2.5°	595.3	597.2	601.0	598.1	600.0	595.3	591.5	592.4	591.5	587.7	578.1
5°	619.1	620.0	625.8	621.9	621.0	617.2	609.6	606.7	606.7	599.1	584.8
7.5°	640.0	641.0	646.7	641.0	641.0	634.3	626.7	621.0	621.0	608.6	590.5
10°	653.4	654.3	659.1	657.2	658.1	649.6	640.0	632.4	631.5	618.1	594.3
12.5°	668.6	669.6	676.2	673.4	674.3	668.6	658.1	646.7	645.8	629.6	600.0
15°	682.0	682.9	688.6	688.6	692.4	685.8	677.2	665.8	663.9	642.9	607.7
17.5°	690.5	691.5	700.0	702.0	707.7	703.9	696.2	682.9	680.0	656.2	615.3
20°	700.0	702.0	709.6	711.5	720.1	720.1	713.4	699.1	696.2	668.6	622.9
22.5°	719.1	722.9	727.7	726.7	734.3	735.3	730.5	718.1	714.3	684.8	632.4
25°	769.6	775.3	775.3	762.0	760.1	755.3	750.5	741.0	737.2	705.8	644.8
27.5°	858.2	857.2	851.5	823.9	799.1	782.0	775.3	764.8	761.0	724.8	657.2
30°	952.4	951.5	943.9	902.9	855.3	811.5	800.1	788.6	783.9	742.9	668.6
32.5°	1042.9	1042.0	1037.2	989.6	920.1	850.5	831.5	814.3	806.7	764.8	684.8
35°	1117.2	1117.2	1113.4	1064.8	978.2	900.1	867.7	844.8	838.2	793.4	709.6
37.5°	1184.8	1185.8	1182.9	1129.6	1030.5	947.7	911.5	885.8	877.2	828.6	736.2
40°	1279.1	1272.5	1268.7	1195.3	1080.1	991.5	958.2	931.5	921.0	862.9	759.1
42.5°	1351.5	1360.1	1328.7	1253.4	1129.6	1032.5	1005.8	980.1	968.6	902.0	788.6
45°	1379.1	1373.4	1350.6	1286.8	1206.8	1073.4	1055.3	1036.3	1023.9	951.5	826.7
47.5°	1390.6	1379.1	1349.6	1305.8	1280.1	1124.8	1110.6	1105.8	1092.5	1010.5	870.5
50°	1363.0	1351.5	1340.1	1316.3	1305.8	1170.6	1170.6	1188.7	1174.4	1077.2	919.1
52.5°	1290.6	1287.7	1299.1	1311.5	1280.1	1202.0	1241.0	1280.1	1266.8	1151.5	971.5
55°	1157.2	1161.0	1223.9	1275.3	1261.0	1228.7	1317.2	1383.9	1369.6	1234.4	1022.9
57.5°	1044.8	1042.9	1097.2	1219.1	1236.3	1262.9	1402.0	1496.3	1480.1	1322.0	1074.4
60°	915.3	915.3	978.2	1124.8	1203.9	1295.3	1488.7	1610.6	1594.4	1413.4	1127.7
62.5°	745.8	742.9	852.4	999.1	1146.7	1313.4	1563.9	1717.3	1703.9	1499.2	1167.7
65°	564.8	562.9	708.6	879.1	1059.1	1302.9	1616.3	1805.8	1799.2	1572.5	1196.3
67.5°	371.5	373.4	546.7	737.2	933.4	1252.5	1623.9	1870.6	1867.8	1618.2	1200.1
70°	248.6	249.5	395.3	561.9	759.1	1143.9	1563.0	1874.4	1880.1	1619.2	1162.9
72.5°	178.1	180.0	276.2	398.1	529.6	945.8	1429.6	1763.9	1783.0	1523.9	1042.0
75°	123.8	125.7	181.0	248.6	316.2	638.1	1156.3	1463.0	1497.2	1284.9	844.8
77.5°	83.8	82.9	101.0	161.9	188.6	345.7	723.9	974.4	1014.4	864.8	597.2
80°	63.8	62.9	66.7	88.6	95.2	146.7	313.4	469.6	509.6	399.1	276.2
82.5°	42.9	41.0	42.9	50.5	48.6	61.9	87.6	159.1	182.9	182.9	121.9
85°	20.0	20.0	22.9	23.8	20.0	24.8	25.7	30.5	35.2	36.2	26.7
87.5°	1.9	1.9	2.9	2.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9
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°	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0
2.5°	576.2	575.3	575.3	573.4	569.6	564.8	560.0	557.2	555.3	556.2	557.2
5°	581.9	579.1	573.4	568.6	561.0	551.5	545.8	540.0	537.2	539.1	541.0
7.5°	585.8	581.0	570.5	561.9	549.6	539.1	530.5	523.8	519.1	520.0	520.0
10°	586.7	578.1	564.8	551.5	535.3	521.9	511.5	503.8	500.0	499.1	500.0
12.5°	590.5	579.1	559.1	542.9	522.9	506.7	495.3	486.7	481.9	482.9	482.9
15°	594.3	580.0	556.2	534.3	511.5	494.3	481.0	472.4	467.7	468.6	467.7
17.5°	598.1	581.0	552.4	525.8	499.1	480.0	466.7	458.1	453.4	456.2	456.2
20°	601.9	581.9	545.8	515.3	485.7	465.7	453.4	443.8	439.1	443.8	443.8
22.5°	606.7	582.9	539.1	503.8	471.5	452.4	439.1	431.5	428.6	432.4	433.4
25°	614.3	583.9	533.4	491.5	457.2	437.2	426.7	422.9	421.9	427.6	429.6
27.5°	621.0	587.7	525.8	477.2	441.0	421.9	415.3	415.3	418.1	425.7	428.6
30°	627.7	587.7	517.2	460.0	421.9	403.8	402.9	408.6	413.4	421.0	424.8
32.5°	638.1	590.5	506.7	442.9	401.9	386.7	392.4	401.0	407.6	415.3	418.1
35°	656.2	601.0	500.0	424.8	380.0	371.5	382.9	396.2	400.0	406.7	409.6
37.5°	676.2	616.2	497.2	407.6	361.0	357.2	374.3	388.6	390.5	393.4	396.2
40°	690.5	622.9	492.4	392.4	342.9	342.9	361.9	375.3	372.4	374.3	376.2
42.5°	707.7	625.8	481.9	379.1	327.6	327.6	344.8	356.2	352.4	356.2	359.1
45°	731.5	632.4	467.7	365.7	314.3	310.5	322.9	332.4	341.0	355.3	358.1
47.5°	761.0	646.7	455.3	348.6	301.9	289.5	297.2	313.4	324.8	340.0	342.9
50°	793.4	660.0	445.7	330.5	288.6	267.6	271.4	289.5	296.2	305.7	306.7
52.5°	825.8	672.4	437.2	315.3	273.4	241.9	248.6	266.7	270.5	276.2	276.2
55°	858.2	683.9	427.6	302.9	255.3	219.1	226.7	244.8	247.6	253.4	254.3
57.5°	891.5	696.2	421.9	291.4	234.3	202.9	208.6	224.8	229.5	234.3	234.3
60°	919.1	705.8	418.1	280.0	215.3	186.7	190.5	204.8	210.5	213.3	214.3
62.5°	938.2	710.5	414.3	266.7	198.1	171.4	174.3	188.6	195.3	197.2	197.2
65°	948.6	710.5	406.7	247.6	181.9	157.2	158.1	172.4	180.0	184.8	185.7
67.5°	942.9	702.9	387.6	226.7	166.7	144.8	145.7	158.1	165.7	170.5	170.5
70°	909.6	674.3	355.3	199.1	151.4	132.4	133.3	143.8	149.5	147.6	143.8
72.5°	813.4	602.9	302.9	169.5	136.2	121.0	121.9	130.5	126.7	124.8	125.7
75°	662.0	477.2	227.6	131.4	114.3	106.7	109.5	112.4	108.6	110.5	109.5
77.5°	453.4	309.5	156.2	95.2	91.4	89.5	95.2	95.2	92.4	95.2	92.4
80°	204.8	144.8	88.6	61.9	63.8	64.8	71.4	71.4	75.2	78.1	77.1
82.5°	89.5	72.4	47.6	36.2	39.1	42.9	48.6	53.3	60.0	62.9	61.9
85°	22.9	19.0	19.0	17.1	22.9	22.9	27.6	31.4	32.4	32.4	32.4
87.5°	2.9	2.9	3.8	3.8	5.7	4.8	6.7	5.7	5.7	7.6	8.6
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)