

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: P853286

Luminaire Tested: **CRTK-N-20-727-U-T3**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853286  
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-20-727-U-T3  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

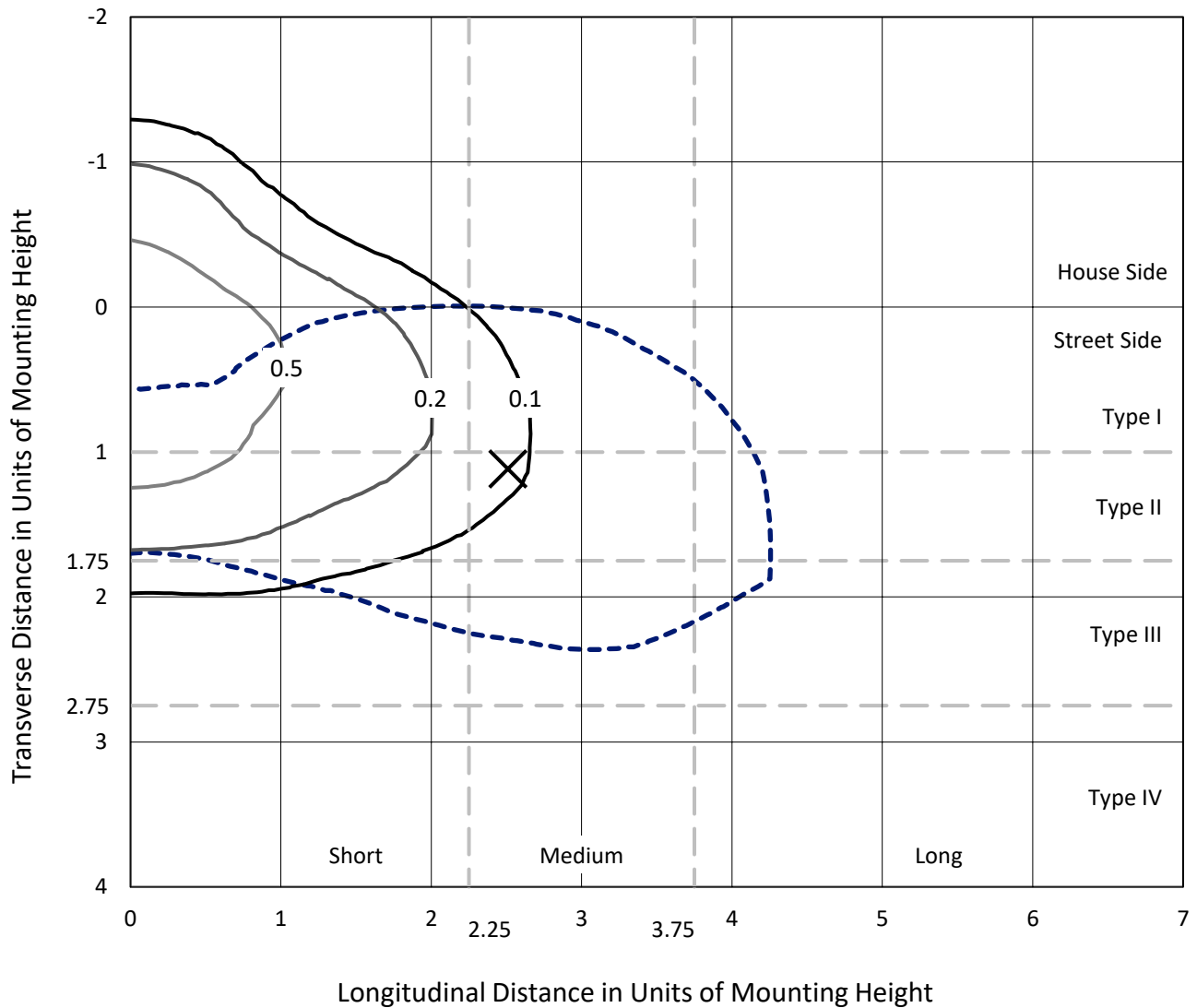
Lumens per Lamp: N/A  
Luminaire Lumens: 3290 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 23.2  
Input Voltage (V): 120.0  
Input Current (Ain): 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

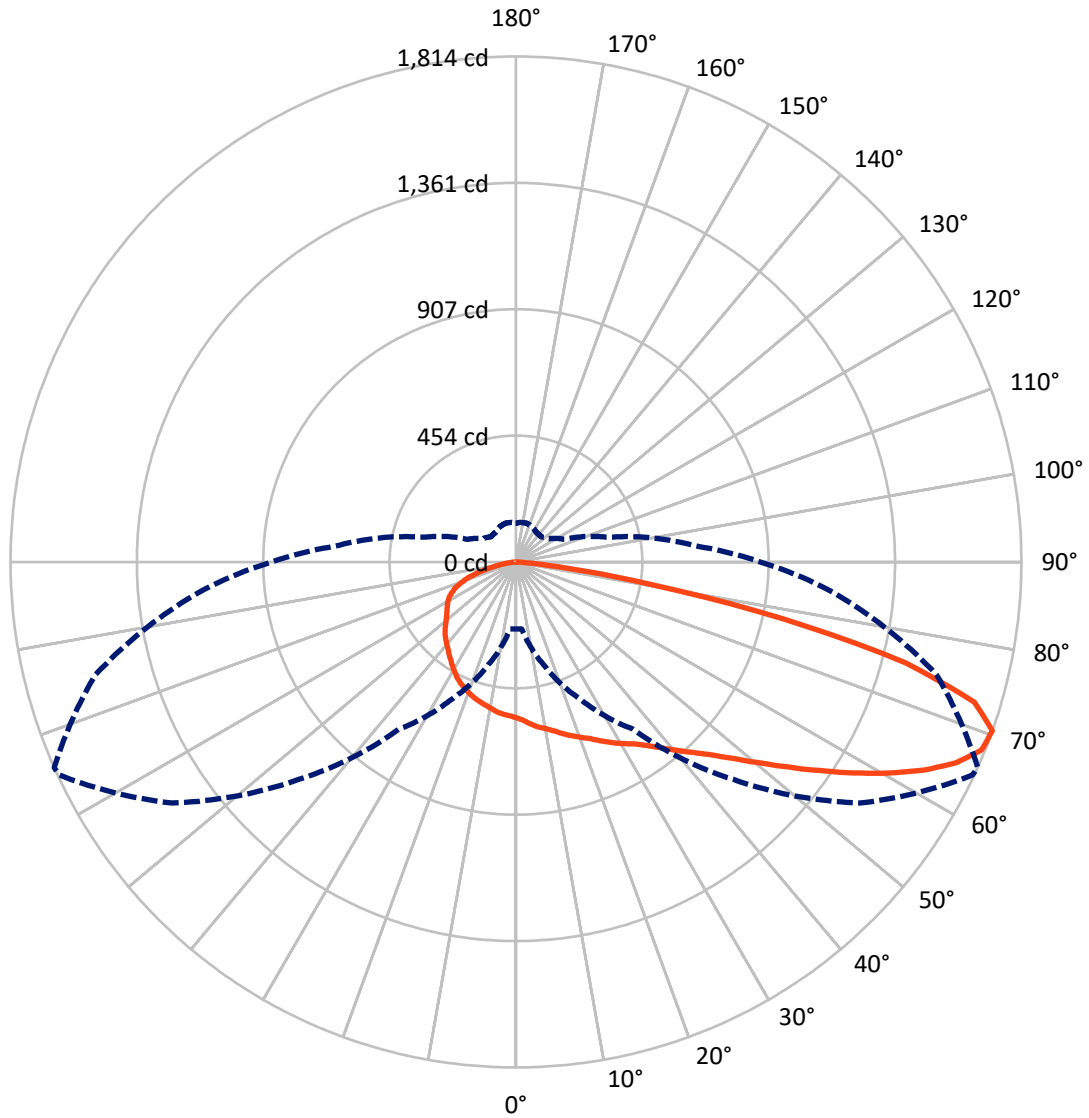
✕ Max cd  
 - - - 1/2 Max cd



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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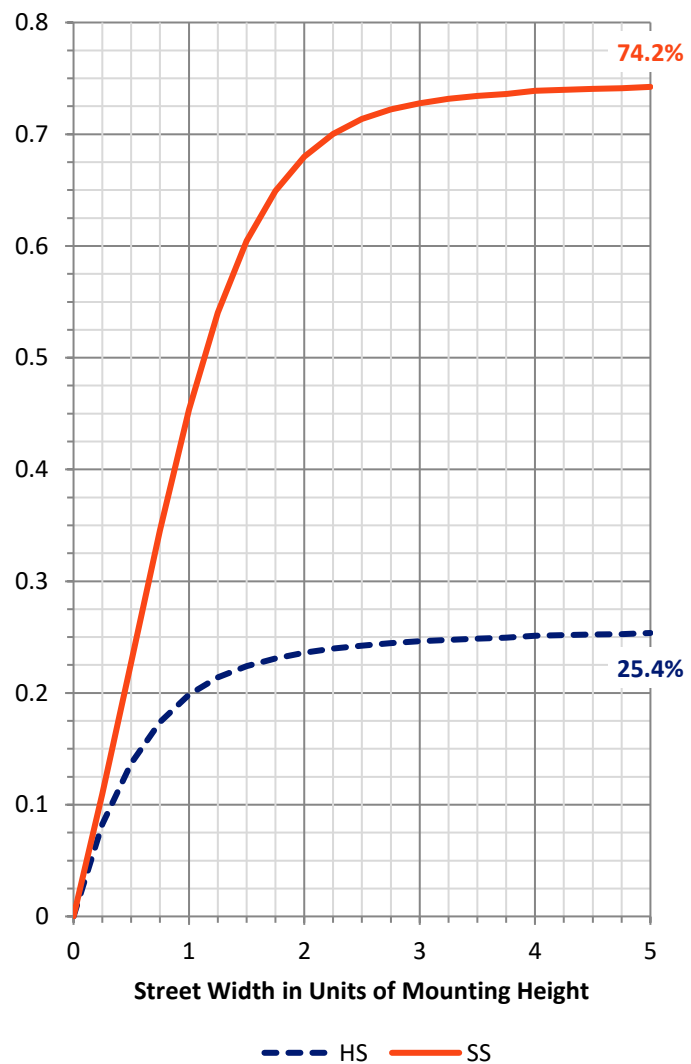
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	843.4	0.0	843.4
	% Fixture	25.6	0.0	25.6
<b>Street Side</b>	Lumens	2446.6	0.0	2446.6
	% Fixture	74.4	0.0	74.4
<b>Total</b>	Lumens	3290.0	0.0	3290.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	1.6
10°-20°	161.0	4.9
20°-30°	272.3	8.3
30°-40°	413.5	12.6
40°-50°	564.0	17.1
50°-60°	670.7	20.4
60°-70°	686.5	20.9
70°-80°	422.7	12.8
80°-90°	45.5	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°	3290.0	100.0
0°-180°	3290.0	100.0

**Coefficient of Utilization**

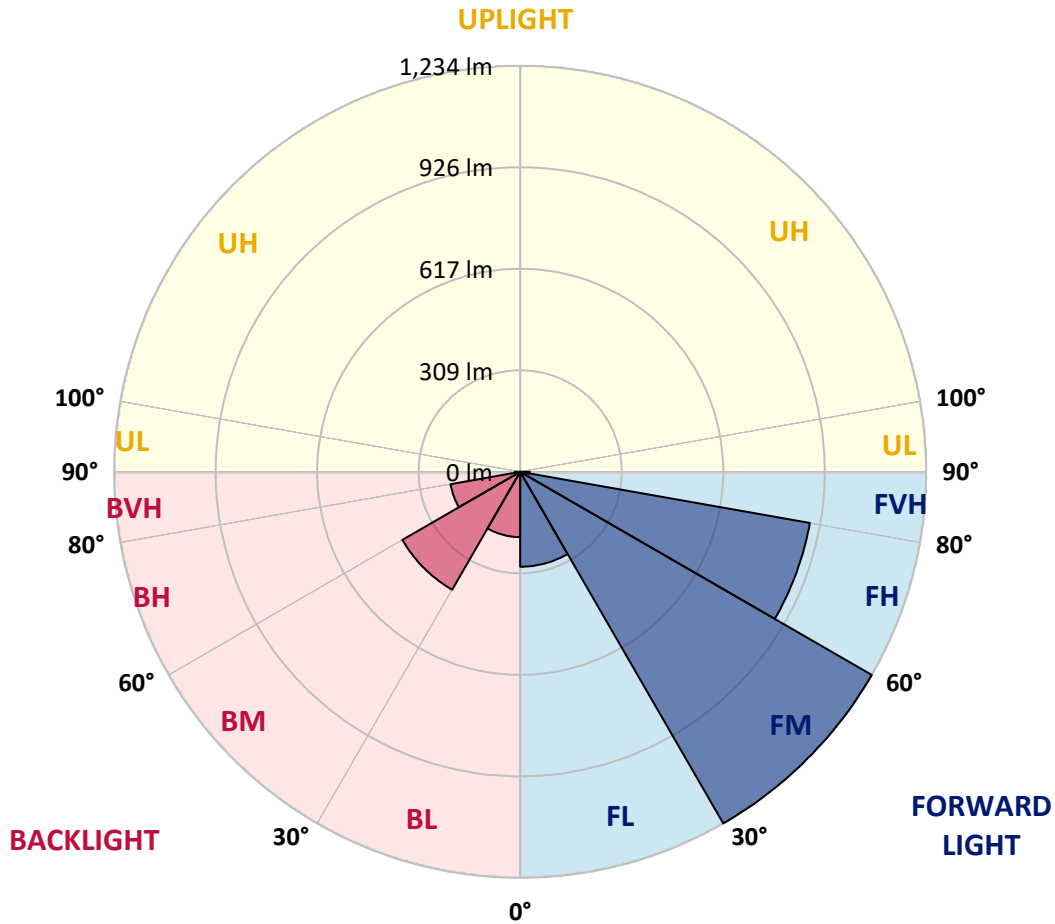


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.5	8.8			
FM (30°-60°)	1234.5	37.5			
FH (60°-80°)	894.3	27.2			G1/1800
FVH (80°-90°)	29.4	0.9			G1/100
BL (0°-30°)	198.6	6.0	B1/500		
BM (30°-60°)	413.7	12.6	B1/1000		
BH (60°-80°)	215.0	6.5	B1/500		G1/500
BVH (80°-90°)	16.1	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°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	574.3	576.2	579.8	577.1	578.9	574.3	570.7	571.6	570.7	567.0	557.8
5°	597.3	598.2	603.7	600.1	599.1	595.5	588.1	585.4	585.4	578.0	564.2
7.5°	617.5	618.4	624.0	618.4	618.4	612.0	604.7	599.1	599.1	587.2	569.7
10°	630.4	631.3	635.9	634.1	635.0	626.7	617.5	610.2	609.3	596.4	573.4
12.5°	645.1	646.0	652.4	649.7	650.6	645.1	635.0	624.0	623.0	607.4	578.9
15°	658.0	658.9	664.4	664.4	668.1	661.6	653.4	642.3	640.5	620.3	586.3
17.5°	666.2	667.1	675.4	677.3	682.8	679.1	671.7	658.9	656.1	633.1	593.6
20°	675.4	677.3	684.6	686.4	694.7	694.7	688.3	674.5	671.7	645.1	601.0
22.5°	693.8	697.5	702.1	701.1	708.5	709.4	704.8	692.9	689.2	660.7	610.2
25°	742.5	748.0	748.0	735.1	733.3	728.7	724.1	714.9	711.3	680.9	622.1
27.5°	828.0	827.0	821.5	794.9	771.0	754.4	748.0	737.9	734.2	699.3	634.1
30°	918.9	918.0	910.7	871.1	825.2	782.9	771.9	760.9	756.3	716.8	645.1
32.5°	1006.2	1005.3	1000.7	954.8	887.7	820.6	802.2	785.7	778.3	737.9	660.7
35°	1077.9	1077.9	1074.2	1027.4	943.7	868.4	837.1	815.1	808.7	765.5	684.6
37.5°	1143.2	1144.1	1141.3	1089.9	994.3	914.3	879.4	854.6	846.3	799.5	710.3
40°	1234.1	1227.7	1224.0	1153.3	1042.1	956.6	924.4	898.7	888.6	832.6	732.4
42.5°	1304.0	1312.2	1281.9	1209.3	1089.9	996.1	970.4	945.6	934.6	870.2	760.9
45°	1330.6	1325.1	1303.0	1241.5	1164.3	1035.6	1018.2	999.8	987.9	918.0	797.6
47.5°	1341.6	1330.6	1302.1	1259.9	1235.0	1085.3	1071.5	1066.9	1054.0	975.0	839.9
50°	1315.0	1304.0	1292.9	1270.0	1259.9	1129.4	1129.4	1146.8	1133.0	1039.3	886.8
52.5°	1245.2	1242.4	1253.4	1265.4	1235.0	1159.7	1197.4	1235.0	1222.2	1111.0	937.3
55°	1116.5	1120.2	1180.8	1230.4	1216.7	1185.4	1270.9	1335.2	1321.4	1190.9	986.9
57.5°	1008.1	1006.2	1058.6	1176.2	1192.8	1218.5	1352.7	1443.6	1428.0	1275.5	1036.6
60°	883.1	883.1	943.7	1085.3	1161.5	1249.7	1436.3	1553.9	1538.3	1363.7	1088.0
62.5°	719.5	716.8	822.4	964.0	1106.4	1267.2	1508.9	1656.8	1644.0	1446.4	1126.6
65°	544.9	543.1	683.7	848.2	1021.9	1257.1	1559.4	1742.3	1735.9	1517.2	1154.2
67.5°	358.4	360.2	527.5	711.3	900.6	1208.4	1566.8	1804.8	1802.0	1561.3	1157.9
70°	239.8	240.8	381.4	542.2	732.4	1103.6	1508.0	1808.5	1814.0	1562.2	1122.0
72.5°	171.8	173.7	266.5	384.1	510.9	912.5	1379.3	1701.9	1720.2	1470.3	1005.3
75°	119.5	121.3	174.6	239.8	305.1	615.7	1115.6	1411.5	1444.6	1239.6	815.1
77.5°	80.9	79.9	97.4	156.2	181.9	333.6	698.4	940.1	978.7	834.4	576.2
80°	61.6	60.6	64.3	85.5	91.9	141.5	302.3	453.0	491.6	385.0	266.5
82.5°	41.4	39.5	41.4	48.7	46.9	59.7	84.5	153.5	176.4	176.4	117.6
85°	19.3	19.3	22.1	23.0	19.3	23.9	24.8	29.4	34.0	34.9	25.7
87.5°	1.8	1.8	2.8	2.8	1.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	556.0	555.0	555.0	553.2	549.5	544.9	540.3	537.6	535.7	536.7	537.6
5°	561.5	558.7	553.2	548.6	541.3	532.1	526.5	521.0	518.3	520.1	522.0
7.5°	565.1	560.5	550.4	542.2	530.2	520.1	511.8	505.4	500.8	501.7	501.7
10°	566.1	557.8	544.9	532.1	516.4	503.6	493.5	486.1	482.4	481.5	482.4
12.5°	569.7	558.7	539.4	523.8	504.5	488.9	477.8	469.6	465.0	465.9	465.9
15°	573.4	559.6	536.7	515.5	493.5	476.9	464.1	455.8	451.2	452.1	451.2
17.5°	577.1	560.5	533.0	507.3	481.5	463.1	450.3	442.0	437.4	440.2	440.2
20°	580.8	561.5	526.5	497.1	468.7	449.4	437.4	428.2	423.6	428.2	428.2
22.5°	585.4	562.4	520.1	486.1	454.9	436.5	423.6	416.3	413.5	417.2	418.1
25°	592.7	563.3	514.6	474.2	441.1	421.8	411.7	408.0	407.1	412.6	414.4
27.5°	599.1	567.0	507.3	460.4	425.5	407.1	400.7	400.7	403.4	410.8	413.5
30°	605.6	567.0	499.0	443.8	407.1	389.6	388.7	394.2	398.8	406.2	409.8
32.5°	615.7	569.7	488.9	427.3	387.8	373.1	378.6	386.9	393.3	400.7	403.4
35°	633.1	579.8	482.4	409.8	366.7	358.4	369.4	382.3	386.0	392.4	395.1
37.5°	652.4	594.5	479.7	393.3	348.3	344.6	361.1	374.9	376.8	379.5	382.3
40°	666.2	601.0	475.1	378.6	330.8	330.8	349.2	362.1	359.3	361.1	363.0
42.5°	682.8	603.7	465.0	365.7	316.1	316.1	332.7	343.7	340.0	343.7	346.4
45°	705.7	610.2	451.2	352.9	303.2	299.6	311.5	320.7	329.0	342.8	345.5
47.5°	734.2	624.0	439.2	336.3	291.3	279.4	286.7	302.3	313.4	328.1	330.8
50°	765.5	636.8	430.1	318.9	278.4	258.2	261.9	279.4	285.8	295.0	295.9
52.5°	796.7	648.8	421.8	304.2	263.7	233.4	239.8	257.3	261.0	266.5	266.5
55°	828.0	659.8	412.6	292.2	246.3	211.4	218.7	236.2	238.9	244.4	245.4
57.5°	860.1	671.7	407.1	281.2	226.1	195.7	201.2	216.9	221.5	226.1	226.1
60°	886.8	680.9	403.4	270.2	207.7	180.1	183.8	197.6	203.1	205.8	206.8
62.5°	905.1	685.5	399.7	257.3	191.1	165.4	168.2	181.9	188.4	190.2	190.2
65°	915.3	685.5	392.4	238.9	175.5	151.6	152.5	166.3	173.7	178.3	179.2
67.5°	909.7	678.2	374.0	218.7	160.8	139.7	140.6	152.5	159.9	164.5	164.5
70°	877.6	650.6	342.8	192.1	146.1	127.7	128.7	138.8	144.3	142.4	138.8
72.5°	784.8	581.7	292.2	163.6	131.4	116.7	117.6	125.9	122.2	120.4	121.3
75°	638.7	460.4	219.6	126.8	110.3	102.9	105.7	108.4	104.8	106.6	105.7
77.5°	437.4	298.7	150.7	91.9	88.2	86.4	91.9	91.9	89.1	91.9	89.1
80°	197.6	139.7	85.5	59.7	61.6	62.5	68.9	68.9	72.6	75.4	74.4
82.5°	86.4	69.8	45.9	34.9	37.7	41.4	46.9	51.5	57.9	60.6	59.7
85°	22.1	18.4	18.4	16.5	22.1	22.1	26.6	30.3	31.2	31.2	31.2
87.5°	2.8	2.8	3.7	3.7	5.5	4.6	6.4	5.5	5.5	7.4	8.3
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)