

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: P691166

Luminaire Tested: **CRTK2-C013-D-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2583 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

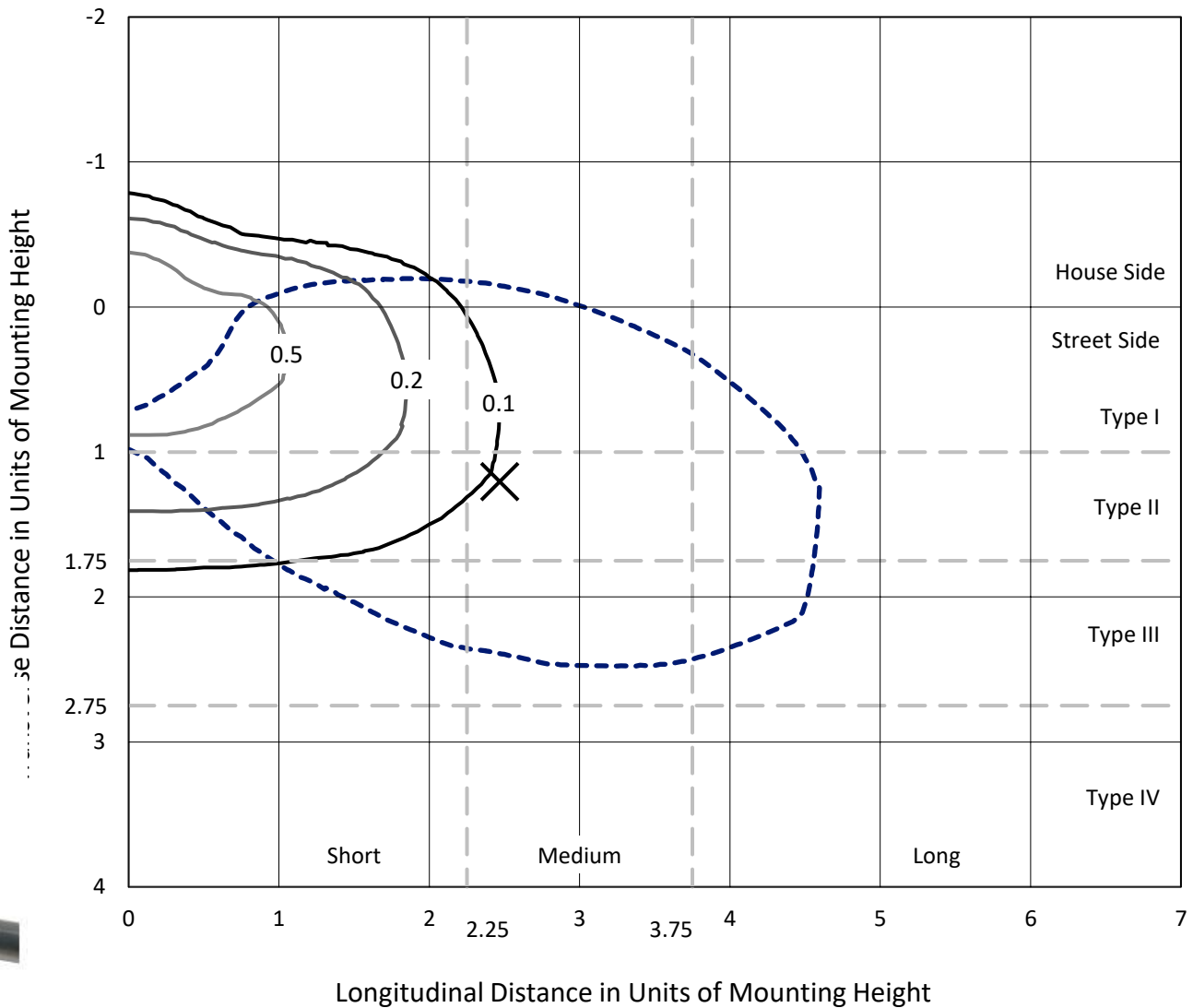
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691166
 CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-U0

Iso-Footcandle Lines of Horizontal Illumination

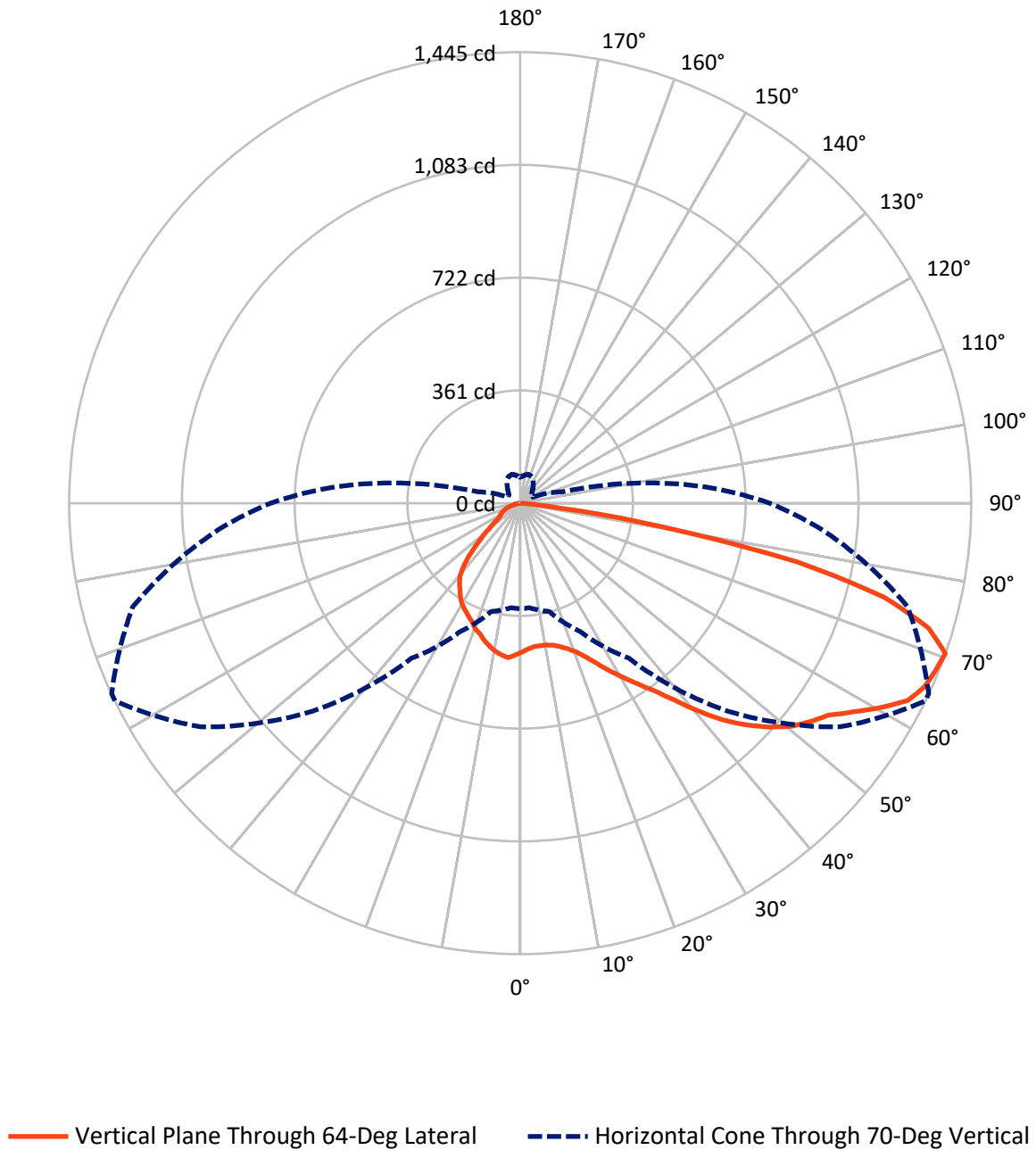
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P691166
CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691166

CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-U0

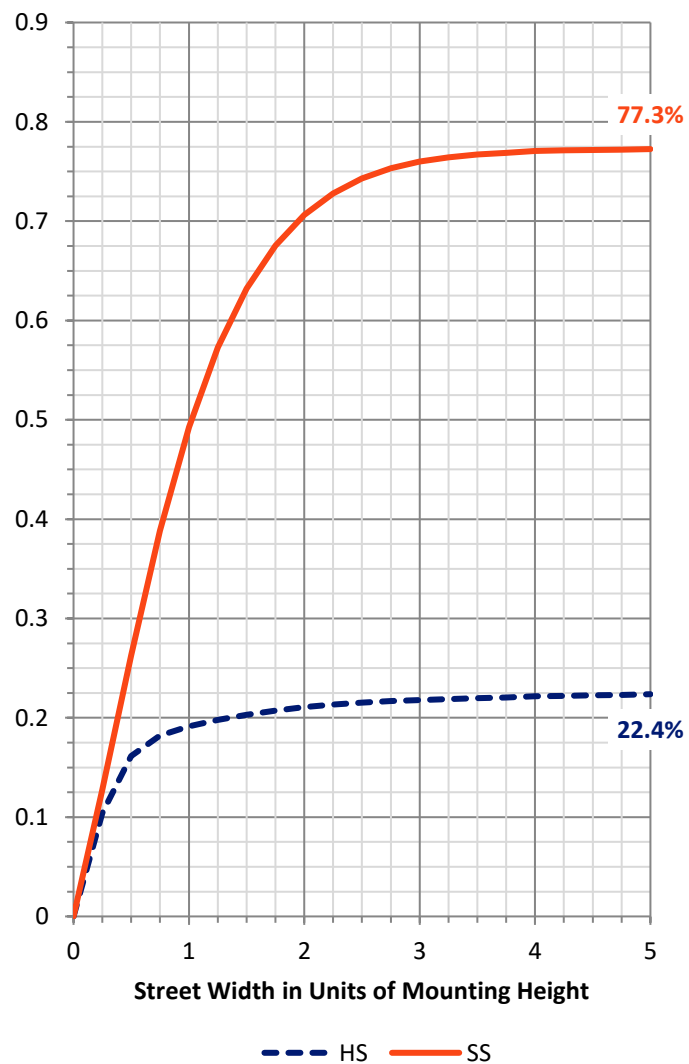
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.8	0.0	586.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	1996.2	0.0	1996.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	2583.0	0.0	2583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.8
10°-20°	134.7	5.2
20°-30°	223.6	8.7
30°-40°	319.8	12.4
40°-50°	427.1	16.5
50°-60°	516.1	20.0
60°-70°	549.3	21.3
70°-80°	337.5	13.1
80°-90°	28.9	1.1
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°	2583.0	100.0
0°-180°	2583.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691166

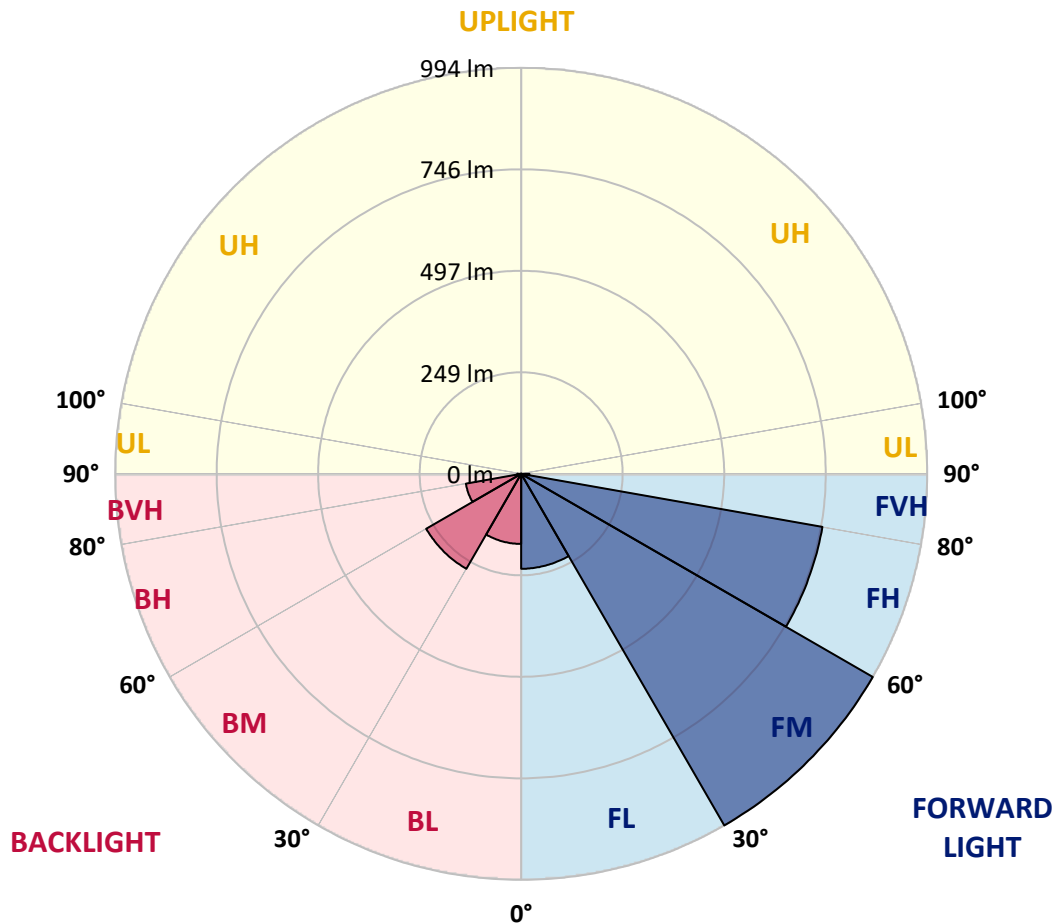
CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.6	9.0			
FM	(30°-60°)	994.4	38.5			
FH	(60°-80°)	749.2	29.0			G1/1800
FVH	(80°-90°)	20.1	0.8			G1/100
BL	(0°-30°)	171.7	6.6	B1/500		
BM	(30°-60°)	268.7	10.4	B1/1000		
BH	(60°-80°)	137.6	5.3	B1/500		G1/500
BVH	(80°-90°)	8.8	0.3			G0/10
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



REPORT NUMBER: P691166

CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7
2.5°	466.3	466.3	466.3	466.3	467.2	468.1	467.2	468.1	468.1	469.8	472.5
5°	474.2	474.2	472.5	469.0	466.3	462.8	461.0	461.9	461.9	466.3	473.3
7.5°	476.9	476.9	475.1	475.1	472.5	464.6	461.9	461.0	461.9	463.7	473.3
10°	490.0	489.1	484.8	479.5	476.0	469.0	462.8	461.9	462.8	465.4	476.0
12.5°	504.1	504.1	502.3	497.9	488.3	481.2	470.7	467.2	466.3	469.0	475.1
15°	532.2	528.7	521.6	515.5	508.5	497.1	483.0	476.9	475.1	478.6	476.0
17.5°	548.9	546.2	547.1	537.4	531.3	515.5	501.4	490.0	489.1	492.7	481.2
20°	567.3	566.4	568.2	567.3	557.6	543.6	521.6	507.6	505.8	506.7	489.1
22.5°	595.4	595.4	594.5	594.5	589.3	572.6	548.0	533.9	531.3	525.2	502.3
25°	626.1	626.1	626.1	627.9	627.9	608.6	584.0	568.2	566.4	557.6	524.3
27.5°	655.1	656.9	657.8	658.6	661.3	652.5	625.3	606.8	605.9	594.5	553.3
30°	678.0	678.8	686.7	688.5	693.8	691.1	664.8	647.2	649.0	634.0	585.7
32.5°	698.2	699.0	710.5	716.6	722.7	723.6	701.7	689.4	689.4	676.2	625.3
35°	717.5	718.4	732.4	747.3	759.6	756.1	743.8	736.8	739.4	735.0	679.7
37.5°	734.2	737.7	756.1	778.1	792.1	794.8	789.5	799.1	804.4	811.4	753.5
40°	750.0	751.7	769.3	792.1	815.8	828.1	834.3	873.8	879.1	884.3	795.6
42.5°	735.0	738.6	776.3	810.6	840.4	861.5	890.5	948.4	959.9	930.9	852.7
45°	717.5	721.9	759.6	817.6	859.7	898.4	952.0	1013.4	1022.2	978.3	883.5
47.5°	702.5	707.8	746.5	811.4	879.9	948.4	1002.0	1071.4	1076.7	1018.7	925.6
50°	685.9	690.3	731.5	803.5	890.5	994.1	1054.7	1124.1	1125.8	1052.1	947.6
52.5°	663.9	668.3	710.5	791.2	898.4	1024.8	1098.6	1162.7	1155.7	1095.1	973.0
55°	635.8	642.0	687.6	774.6	902.8	1043.3	1128.5	1198.7	1195.2	1146.0	1006.4
57.5°	605.9	612.1	658.6	751.7	898.4	1054.7	1159.2	1261.1	1260.2	1187.3	1031.0
60°	572.6	577.8	617.4	721.9	874.7	1073.1	1226.8	1328.7	1335.7	1233.8	1040.6
62.5°	528.7	529.5	569.1	678.8	843.9	1086.3	1275.1	1392.8	1388.4	1264.6	1042.4
65°	470.7	473.3	508.5	619.1	793.9	1075.8	1287.4	1421.8	1421.8	1287.4	1040.6
67.5°	414.5	413.6	443.5	544.5	716.6	1029.2	1276.9	1434.1	1440.2	1302.3	1017.8
70°	338.1	336.3	359.2	453.1	605.9	943.2	1249.7	1444.6	1443.7	1284.8	969.5
72.5°	250.3	249.4	265.2	343.4	463.7	807.1	1168.9	1367.3	1358.6	1200.5	875.5
75°	138.8	131.7	130.8	212.5	269.6	565.6	993.2	1205.7	1209.3	1060.8	733.3
77.5°	20.2	21.1	22.0	38.6	46.5	211.6	645.5	908.9	907.2	818.5	534.8
80°	14.1	14.9	15.8	19.3	22.0	50.1	223.1	458.4	484.8	430.3	246.8
82.5°	10.5	10.5	11.4	13.2	12.3	22.8	69.4	127.3	131.7	119.4	72.9
85°	7.0	7.0	6.1	7.0	4.4	6.1	15.8	23.7	25.5	24.6	20.2
87.5°	3.5	3.5	2.6	2.6	1.8	1.8	1.8	0.9	1.8	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

REPORT NUMBER: P691166

CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7
2.5°	475.1	476.9	482.1	486.5	491.8	497.9	501.4	505.0	508.5	506.7	509.3
5°	476.9	480.4	488.3	496.2	500.6	501.4	502.3	505.0	510.2	510.2	514.6
7.5°	478.6	484.8	484.8	489.1	495.3	497.1	497.9	499.7	502.3	503.2	502.3
10°	478.6	476.0	480.4	481.2	478.6	483.0	485.6	484.8	487.4	488.3	488.3
12.5°	473.3	472.5	469.0	469.0	468.1	461.0	461.0	468.1	468.1	472.5	473.3
15°	473.3	466.3	461.9	455.8	449.6	447.0	443.5	438.2	440.0	446.1	447.9
17.5°	472.5	464.6	451.4	439.1	434.7	424.2	420.7	420.7	419.8	423.3	424.2
20°	476.0	464.6	444.4	430.3	406.6	403.1	396.1	396.9	397.8	392.5	389.9
22.5°	485.6	471.6	439.1	411.9	393.4	377.6	364.4	355.7	354.8	352.2	354.8
25°	500.6	483.9	440.0	401.3	371.5	348.6	339.9	318.8	309.1	310.0	315.3
27.5°	527.8	498.8	444.4	389.9	353.9	321.4	293.3	280.1	269.6	269.6	271.4
30°	553.3	521.6	442.6	380.3	326.7	286.3	250.3	229.2	225.7	222.2	221.3
32.5°	600.7	550.6	460.2	366.2	301.2	241.5	205.5	176.5	179.1	180.0	181.8
35°	648.1	597.2	463.7	348.6	264.3	196.7	159.0	143.1	150.2	151.9	153.7
37.5°	711.3	655.1	487.4	332.8	226.6	151.0	126.5	119.4	126.5	126.5	127.3
40°	745.6	682.3	506.7	317.0	177.4	111.5	99.2	94.0	102.7	109.8	111.5
42.5°	793.9	717.5	524.3	285.4	125.6	83.4	76.4	86.9	101.0	108.0	108.9
45°	818.5	735.0	518.1	243.3	82.5	67.6	74.6	87.8	101.9	108.9	109.8
47.5°	851.8	759.6	505.8	194.1	65.9	66.7	75.5	90.5	104.5	110.7	111.5
50°	884.3	785.1	474.2	154.6	63.2	66.7	77.3	91.3	103.6	108.0	107.1
52.5°	902.8	808.8	433.8	117.7	63.2	67.6	79.0	93.1	102.7	103.6	103.6
55°	919.5	811.4	400.5	91.3	62.4	68.5	80.8	94.8	103.6	103.6	101.9
57.5°	930.0	800.9	375.0	79.0	62.4	68.5	80.8	94.8	108.0	110.7	108.0
60°	925.6	780.7	357.4	73.8	60.6	67.6	79.9	97.5	132.6	138.8	133.5
62.5°	915.1	769.3	319.7	67.6	58.0	65.0	78.2	105.4	142.3	143.1	138.8
65°	905.4	731.5	274.0	60.6	54.4	62.4	75.5	107.1	120.3	115.9	115.0
67.5°	861.5	682.3	209.0	53.6	49.2	58.8	72.9	98.4	107.1	101.9	100.1
70°	799.1	596.3	139.6	45.7	43.9	54.4	72.9	92.2	95.7	86.9	83.4
72.5°	685.0	493.5	76.4	36.9	36.9	50.1	65.9	86.1	88.7	78.2	72.0
75°	557.6	357.4	49.2	28.1	28.1	42.2	59.7	81.7	86.9	75.5	67.6
77.5°	383.8	195.8	34.2	20.2	18.4	32.5	47.4	66.7	77.3	65.0	55.3
80°	130.0	51.8	22.0	13.2	11.4	18.4	31.6	51.8	70.3	66.7	59.7
82.5°	50.9	32.5	14.9	8.8	7.9	8.8	15.8	32.5	56.2	60.6	70.3
85°	14.9	8.8	5.3	4.4	4.4	4.4	4.4	13.2	33.4	43.9	55.3
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	7.9	14.1	18.4
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)