

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: P691157

Luminaire Tested: **CRTK2-C013-D-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691157  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T3-7050-U0-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2761 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

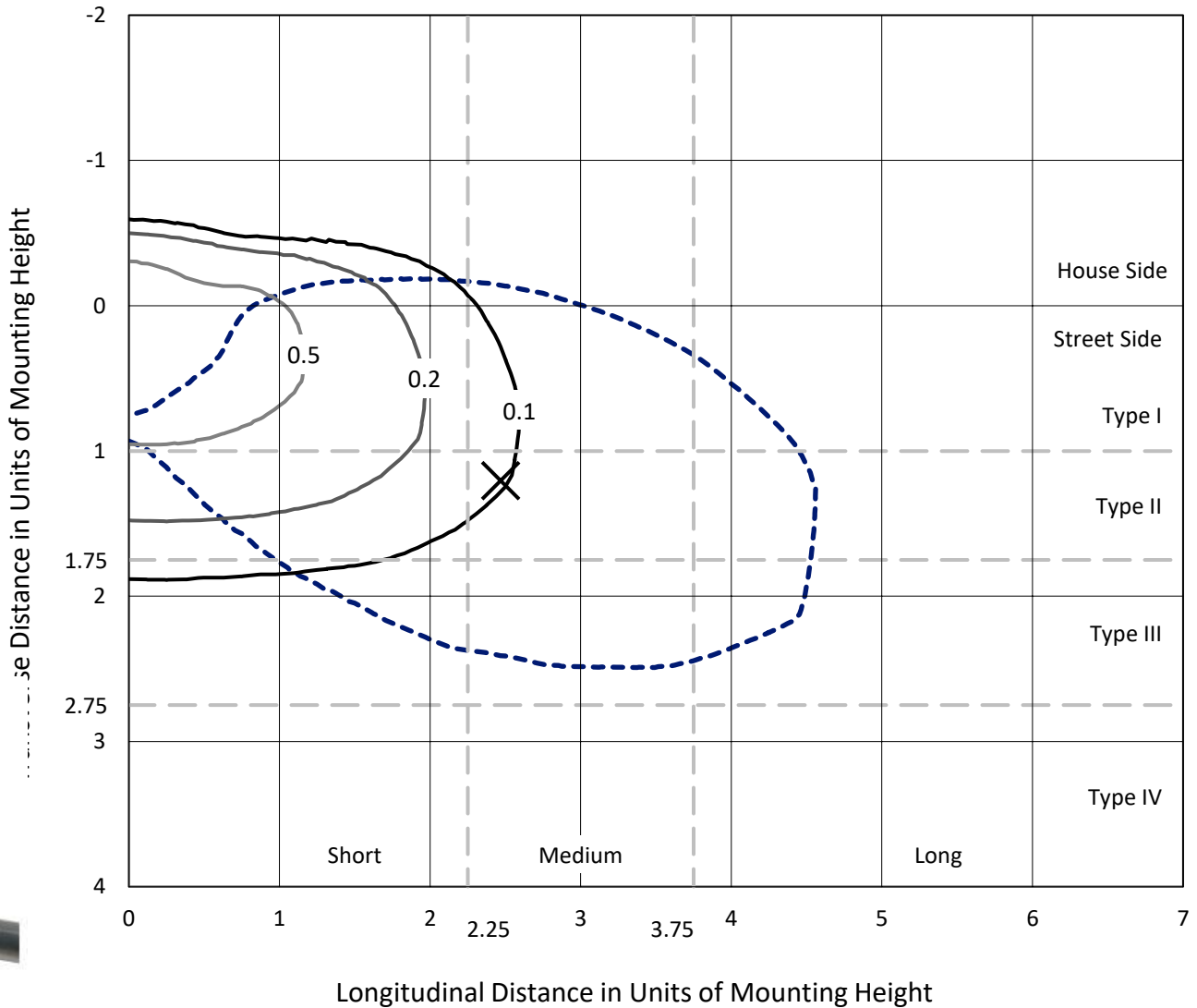
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

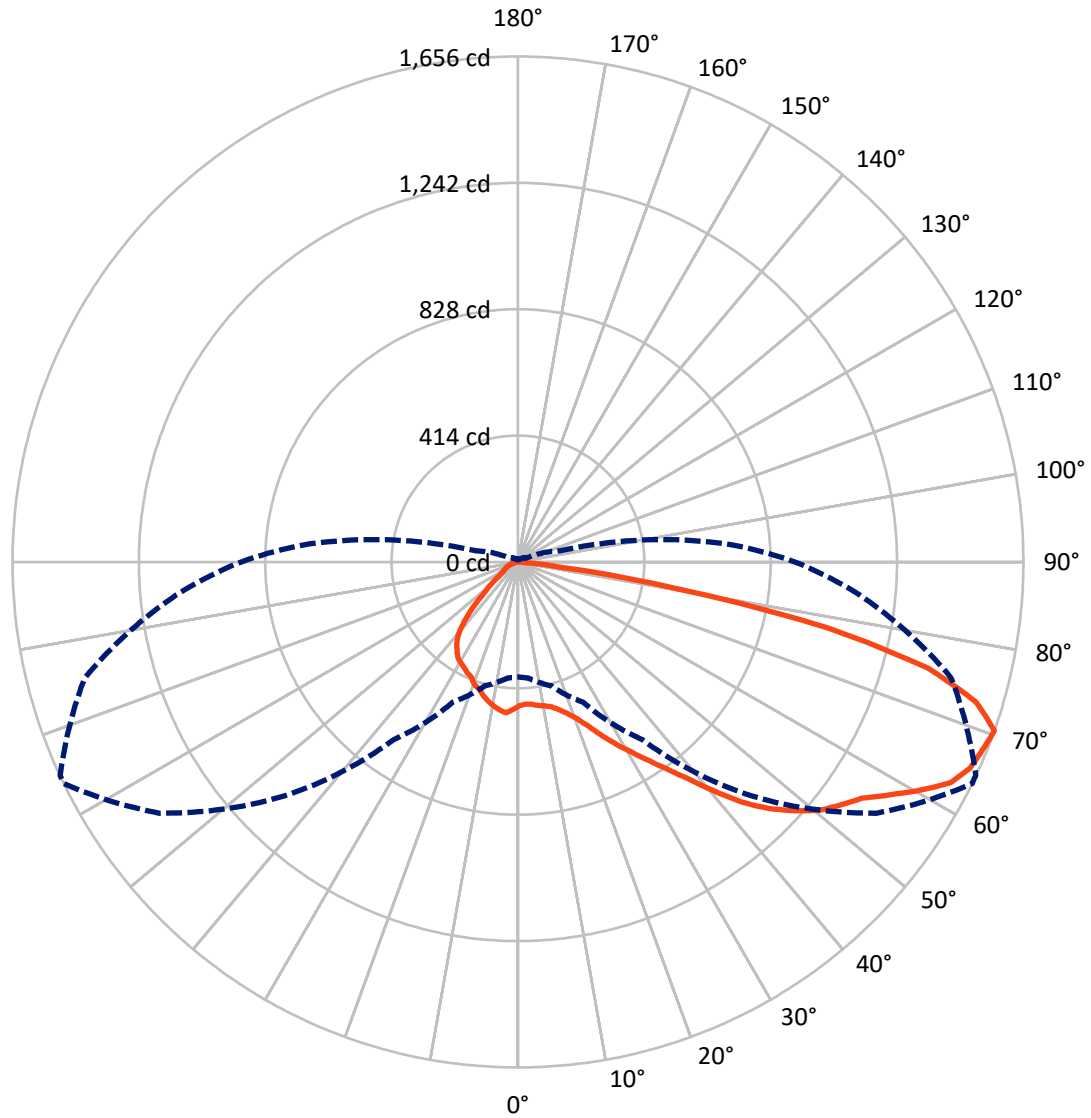
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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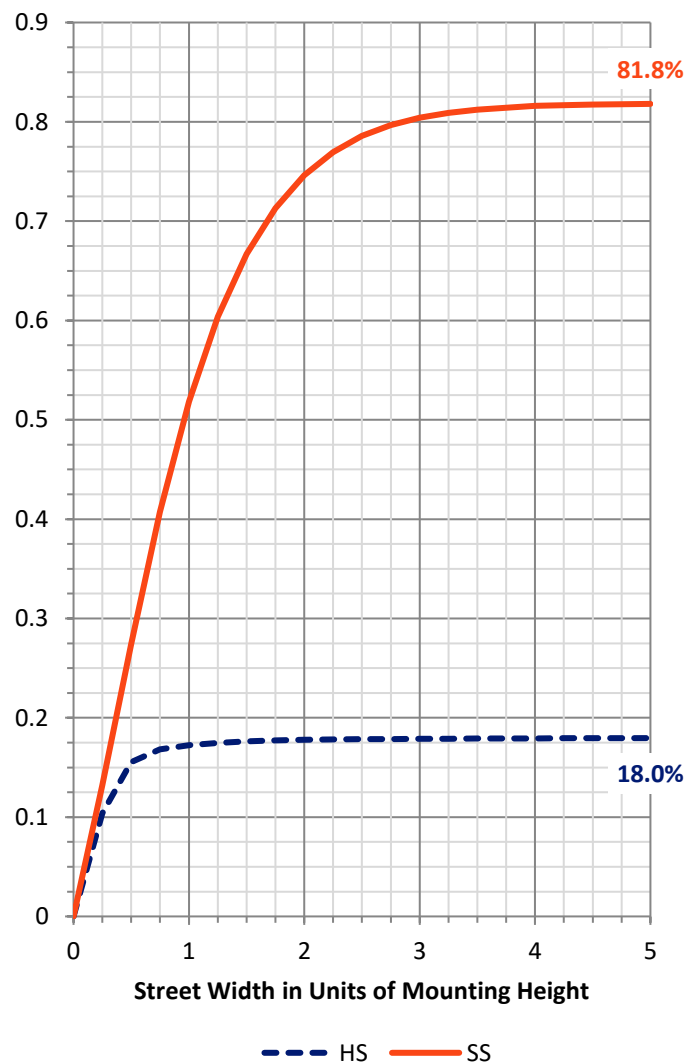
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	501.8	0.0	501.8
	% Fixture	18.2	0.0	18.2
<b>Street Side</b>	Lumens	2259.2	0.0	2259.2
	% Fixture	81.8	0.0	81.8
<b>Total</b>	Lumens	2761.0	0.0	2761.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.9	1.7
10°-20°	135.9	4.9
20°-30°	229.0	8.3
30°-40°	337.0	12.2
40°-50°	462.2	16.7
50°-60°	562.4	20.4
60°-70°	597.1	21.6
70°-80°	366.0	13.3
80°-90°	25.5	0.9
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°	2761.0	100.0
0°-180°	2761.0	100.0

**Coefficient of Utilization**



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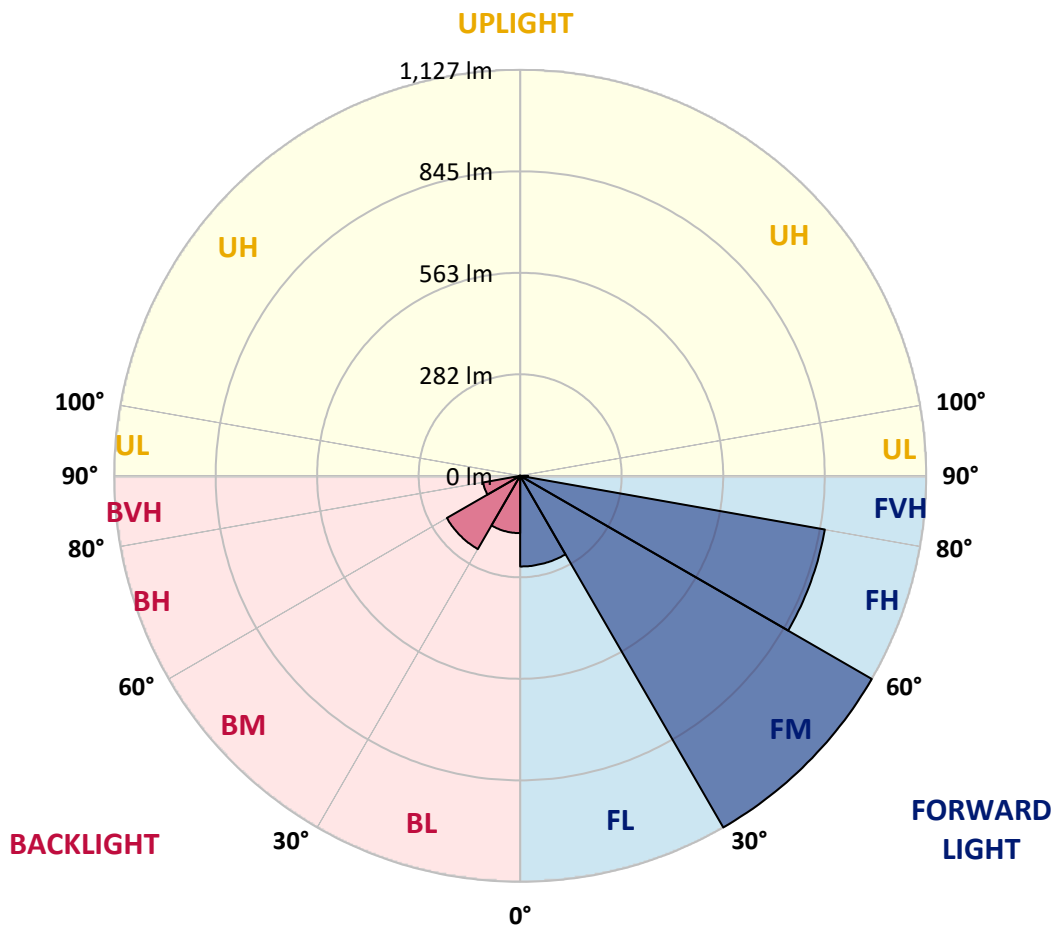
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.7	9.1			
FM (30°-60°)	1126.7	40.8			
FH (60°-80°)	858.6	31.1			G1/1800
FVH (80°-90°)	22.3	0.8			G1/100
BL (0°-30°)	159.2	5.8	B1/500		
BM (30°-60°)	234.9	8.5	B1/1000		
BH (60°-80°)	104.5	3.8	B0/110		G0/110
BVH (80°-90°)	3.3	0.1			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4
2.5°	466.4	466.4	467.4	466.4	468.4	465.4	466.4	466.4	466.4	467.4	470.4
5°	480.5	480.5	478.5	475.5	472.5	468.4	468.4	468.4	468.4	470.4	477.5
7.5°	489.7	488.6	488.6	488.6	485.6	477.5	475.5	474.5	474.5	474.5	481.6
10°	511.9	508.9	504.8	498.8	495.7	488.6	480.5	479.5	479.5	480.5	489.7
12.5°	533.2	530.1	530.1	526.1	513.9	505.8	491.7	486.6	486.6	488.6	493.7
15°	568.6	565.5	557.4	550.4	539.2	525.1	510.9	501.8	500.8	504.8	497.7
17.5°	593.9	588.8	589.8	578.7	569.6	549.3	535.2	521.0	521.0	525.1	510.9
20°	618.1	618.1	619.1	618.1	603.0	586.8	563.5	546.3	547.3	548.3	526.1
22.5°	654.6	653.5	653.5	654.6	644.4	626.2	600.9	581.7	580.7	572.6	545.3
25°	697.0	695.0	691.0	695.0	690.0	668.7	644.4	625.2	622.2	611.1	573.6
27.5°	732.5	732.5	732.5	734.5	734.5	719.3	692.0	671.8	673.8	658.6	607.0
30°	757.7	757.7	766.9	770.9	773.9	768.9	739.5	718.3	722.3	704.1	648.5
32.5°	785.1	784.0	796.2	805.3	809.3	811.4	787.1	769.9	770.9	754.7	696.0
35°	810.4	808.3	824.5	843.7	853.9	851.8	834.6	828.6	830.6	825.5	760.8
37.5°	828.6	831.6	852.8	878.1	894.3	898.4	887.2	898.4	909.5	916.6	844.8
40°	848.8	848.8	869.0	896.3	921.6	936.8	944.9	985.4	994.5	999.5	894.3
42.5°	828.6	835.6	878.1	917.6	951.0	974.2	1007.6	1075.4	1085.5	1054.2	960.1
45°	811.4	817.4	859.9	926.7	975.3	1020.8	1081.5	1152.3	1162.4	1108.8	997.5
47.5°	794.2	801.2	845.8	919.6	997.5	1072.4	1141.2	1218.1	1223.1	1156.3	1047.1
50°	774.9	782.0	828.6	910.5	1010.7	1128.0	1199.8	1278.8	1279.8	1197.8	1072.4
52.5°	750.7	759.8	806.3	897.4	1021.8	1165.5	1252.5	1323.3	1317.2	1248.4	1102.7
55°	720.3	730.4	782.0	880.2	1027.9	1189.7	1286.9	1366.8	1362.7	1307.1	1142.2
57.5°	685.9	697.0	750.7	853.9	1025.8	1201.9	1322.3	1438.6	1440.6	1355.6	1171.5
60°	646.5	656.6	707.2	819.5	999.5	1224.1	1398.1	1517.5	1524.6	1409.3	1183.7
62.5°	594.9	604.0	652.5	768.9	966.2	1240.3	1455.8	1592.4	1589.3	1445.7	1187.7
65°	530.1	540.2	585.8	702.1	913.5	1230.2	1474.0	1627.8	1627.8	1472.0	1184.7
67.5°	464.4	473.5	511.9	617.1	828.6	1179.6	1462.9	1642.0	1651.1	1489.2	1157.4
70°	376.3	381.4	419.8	506.9	710.2	1084.5	1434.6	1656.1	1655.1	1470.0	1105.8
72.5°	276.2	282.3	313.6	380.4	549.3	938.8	1345.5	1570.1	1553.9	1366.8	1005.6
75°	142.6	148.7	173.0	238.8	350.0	662.6	1147.2	1387.0	1384.0	1210.0	832.6
77.5°	19.2	19.2	22.3	39.5	80.9	264.0	751.7	1039.0	1032.9	922.6	605.0
80°	13.2	13.2	15.2	18.2	23.3	57.7	265.1	527.1	536.2	475.5	271.1
82.5°	10.1	9.1	11.1	13.2	14.2	26.3	80.9	145.7	147.7	132.5	83.0
85°	6.1	6.1	6.1	6.1	5.1	7.1	18.2	24.3	27.3	26.3	21.2
87.5°	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4	471.4
2.5°	471.4	474.5	478.5	483.6	488.6	492.7	496.7	498.8	500.8	501.8	502.8
5°	479.5	483.6	488.6	495.7	495.7	492.7	490.7	490.7	492.7	495.7	496.7
7.5°	487.6	491.7	489.7	488.6	489.7	485.6	480.5	477.5	475.5	475.5	477.5
10°	490.7	486.6	484.6	479.5	469.4	467.4	463.3	455.3	453.2	455.3	448.2
12.5°	488.6	485.6	475.5	467.4	457.3	440.1	430.0	430.0	424.9	423.9	424.9
15°	493.7	483.6	471.4	454.2	436.0	421.9	405.7	391.5	387.5	388.5	388.5
17.5°	497.7	487.6	463.3	437.0	420.9	395.6	377.4	369.3	362.2	361.2	361.2
20°	506.9	492.7	458.3	430.0	389.5	370.3	350.0	339.9	328.8	313.6	308.6
22.5°	521.0	501.8	455.3	410.7	375.3	345.0	315.6	285.3	267.1	254.9	258.0
25°	540.2	519.0	458.3	403.7	354.1	315.6	277.2	235.7	208.4	200.3	205.4
27.5°	574.6	538.2	467.4	393.5	338.9	281.2	223.6	187.2	161.9	153.8	156.8
30°	606.0	567.6	468.4	387.5	314.6	240.8	176.0	135.6	115.3	103.2	100.2
32.5°	662.6	598.9	493.7	379.4	289.3	196.3	129.5	90.0	71.8	64.7	62.7
35°	718.3	654.6	500.8	364.2	242.8	145.7	79.9	53.6	43.5	38.4	37.4
37.5°	795.2	722.3	530.1	348.0	196.3	89.0	48.6	32.4	30.4	29.3	29.3
40°	833.6	757.7	554.4	324.7	137.6	50.6	31.4	28.3	27.3	26.3	26.3
42.5°	888.3	798.2	574.6	283.3	80.9	33.4	28.3	26.3	25.3	24.3	24.3
45°	918.6	819.5	569.6	232.7	40.5	31.4	27.3	25.3	23.3	23.3	23.3
47.5°	959.1	850.8	556.4	172.0	36.4	30.4	26.3	24.3	23.3	24.3	23.3
50°	997.5	881.2	520.0	136.6	35.4	29.3	26.3	23.3	23.3	23.3	23.3
52.5°	1018.8	909.5	474.5	100.2	36.4	29.3	25.3	23.3	23.3	22.3	23.3
55°	1039.0	913.5	438.1	72.8	36.4	28.3	24.3	22.3	21.2	20.2	20.2
57.5°	1053.2	904.4	408.7	60.7	36.4	28.3	23.3	21.2	18.2	17.2	17.2
60°	1049.1	882.2	384.4	55.6	34.4	26.3	21.2	18.2	16.2	14.2	14.2
62.5°	1038.0	869.0	339.9	48.6	31.4	24.3	19.2	15.2	13.2	12.1	12.1
65°	1027.9	827.6	288.3	43.5	29.3	21.2	16.2	13.2	11.1	10.1	10.1
67.5°	979.3	772.9	214.5	37.4	26.3	19.2	14.2	12.1	10.1	9.1	8.1
70°	907.5	684.9	140.6	32.4	23.3	16.2	12.1	10.1	8.1	7.1	7.1
72.5°	785.1	565.5	72.8	26.3	19.2	14.2	11.1	9.1	7.1	6.1	6.1
75°	637.4	415.8	43.5	20.2	15.2	12.1	9.1	7.1	6.1	5.1	5.1
77.5°	441.1	229.7	31.4	15.2	10.1	9.1	7.1	6.1	5.1	4.0	4.0
80°	148.7	62.7	22.3	11.1	7.1	7.1	5.1	4.0	4.0	3.0	3.0
82.5°	58.7	38.4	15.2	8.1	6.1	5.1	4.0	3.0	3.0	3.0	3.0
85°	16.2	11.1	6.1	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
87.5°	1.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	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)