

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: P691065

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691065
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-C013-5TLD-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: 3263 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

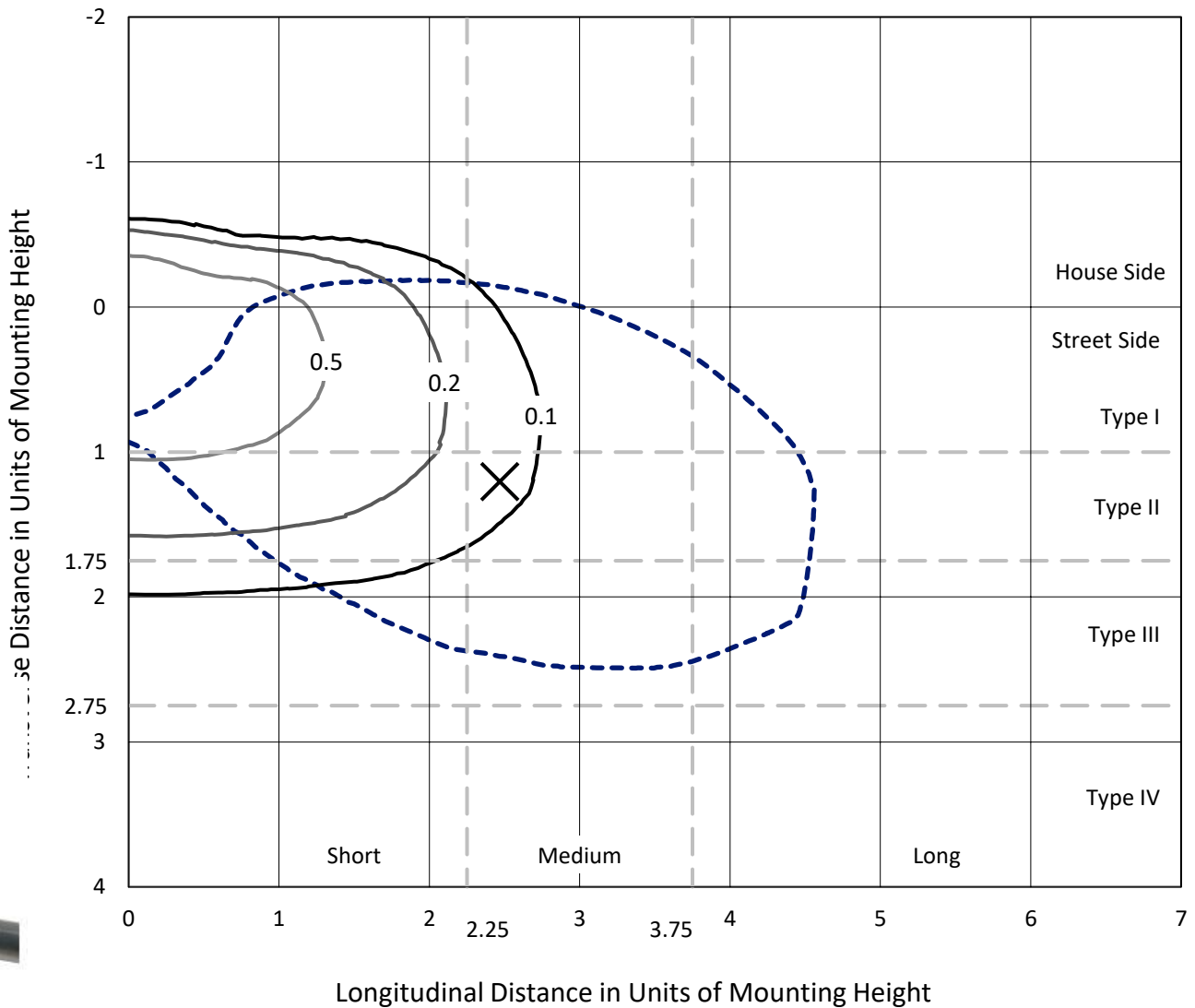
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

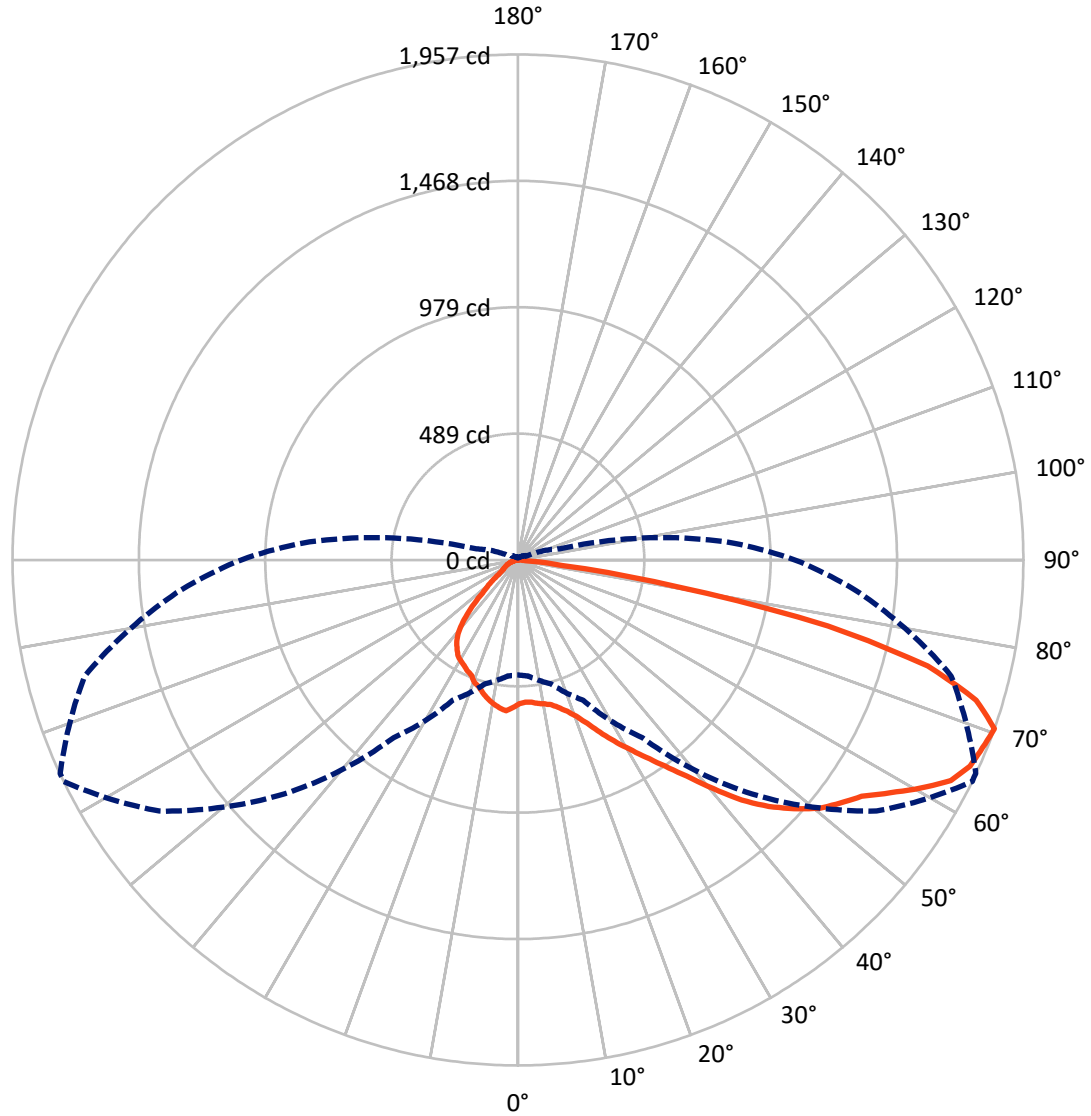
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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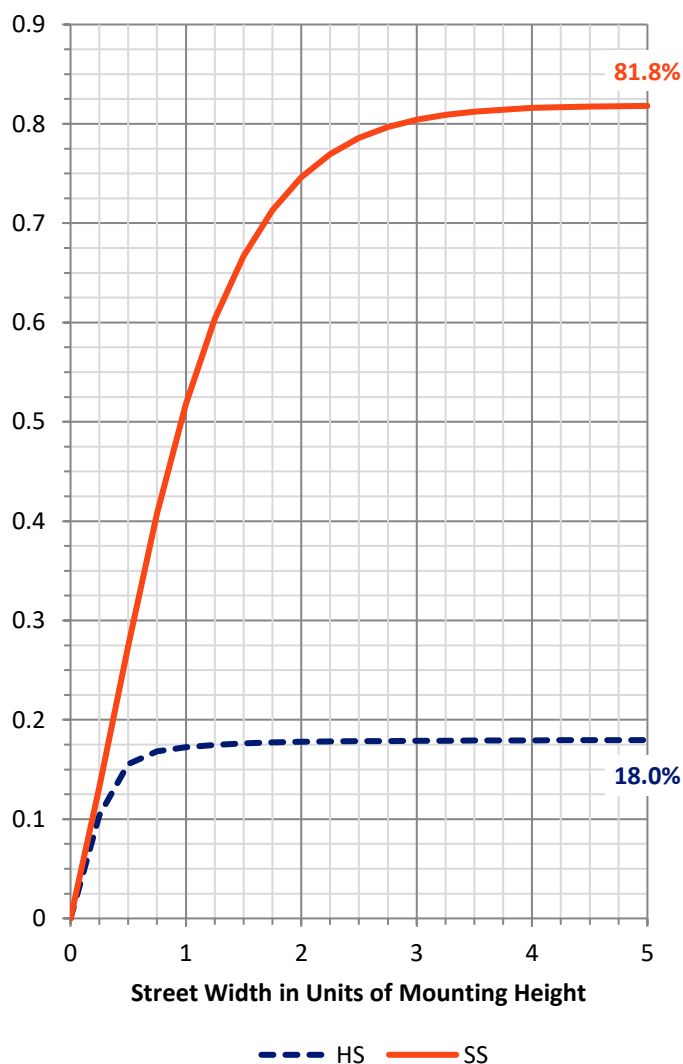
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.0	0.0	593.0
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	2670.0	0.0	2670.0
	% Fixture	81.8	0.0	81.8
Total	Lumens	3263.0	0.0	3263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.7
10°-20°	160.6	4.9
20°-30°	270.6	8.3
30°-40°	398.3	12.2
40°-50°	546.2	16.7
50°-60°	664.6	20.4
60°-70°	705.6	21.6
70°-80°	432.5	13.3
80°-90°	30.2	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°	3263.0	100.0
0°-180°	3263.0	100.0

Coefficient of Utilization



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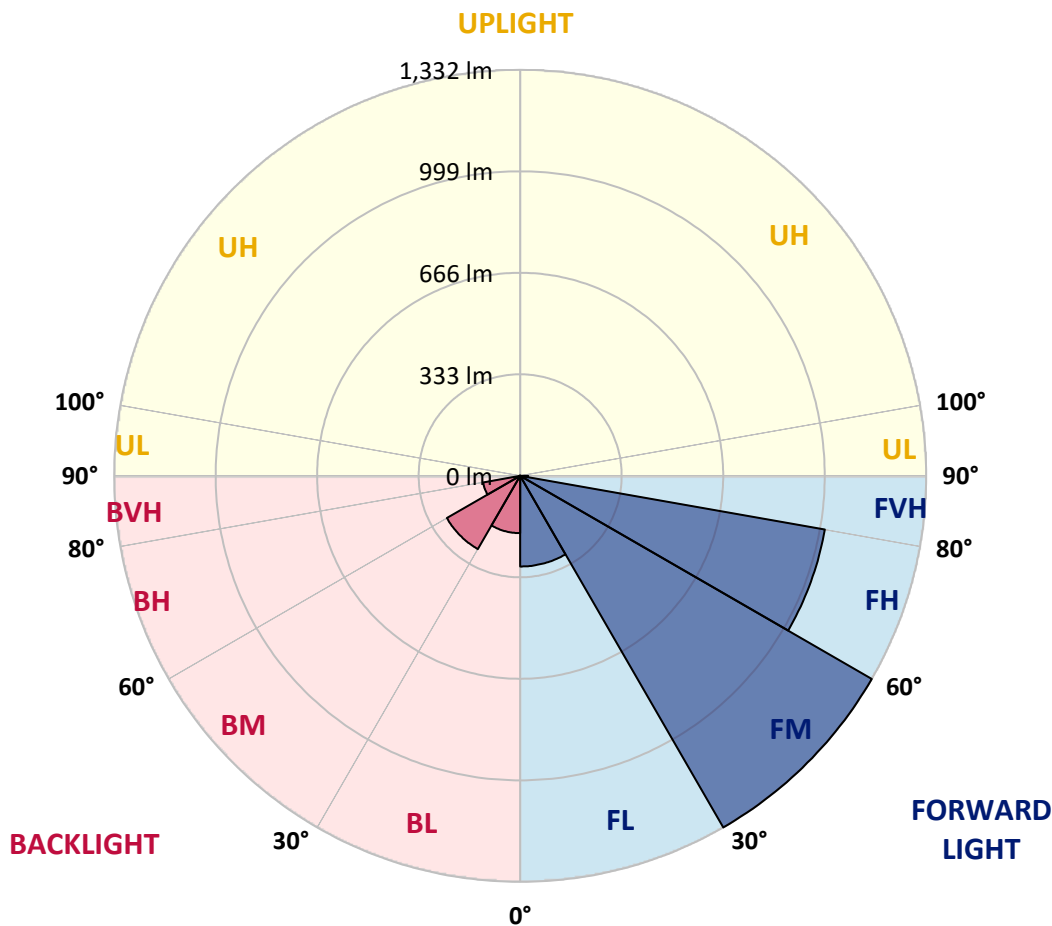
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.4	9.1			
FM (30°-60°)	1331.5	40.8			
FH (60°-80°)	1014.7	31.1			G1/1800
FVH (80°-90°)	26.3	0.8			G1/100
BL (0°-30°)	188.1	5.8	B1/500		
BM (30°-60°)	277.6	8.5	B1/1000		
BH (60°-80°)	123.5	3.8	B1/500		G1/500
BVH (80°-90°)	3.9	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°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	551.2	551.2	552.4	551.2	553.6	550.0	551.2	551.2	551.2	552.4	556.0
5°	567.9	567.9	565.5	561.9	558.4	553.6	553.6	553.6	553.6	556.0	564.3
7.5°	578.7	577.5	577.5	577.5	573.9	564.3	561.9	560.7	560.7	560.7	569.1
10°	605.0	601.4	596.6	589.4	585.9	577.5	567.9	566.7	566.7	567.9	578.7
12.5°	630.1	626.5	626.5	621.7	607.4	597.8	581.1	575.1	575.1	577.5	583.5
15°	671.9	668.4	658.8	650.4	637.3	620.5	603.8	593.0	591.8	596.6	588.2
17.5°	701.8	695.8	697.0	683.9	673.1	649.2	632.5	615.7	615.7	620.5	603.8
20°	730.5	730.5	731.7	730.5	712.6	693.5	666.0	645.6	646.8	648.0	621.7
22.5°	773.6	772.4	772.4	773.6	761.6	740.1	710.2	687.5	686.3	676.7	644.4
25°	823.8	821.4	816.6	821.4	815.4	790.3	761.6	738.9	735.3	722.2	677.9
27.5°	865.6	865.6	865.6	868.0	868.0	850.1	817.8	793.9	796.3	778.3	717.4
30°	895.5	895.5	906.3	911.1	914.6	908.7	874.0	848.9	853.7	832.2	766.4
32.5°	927.8	926.6	941.0	951.7	956.5	958.9	930.2	909.9	911.1	891.9	822.6
35°	957.7	955.3	974.4	997.1	1009.1	1006.7	986.4	979.2	981.6	975.6	899.1
37.5°	979.2	982.8	1007.9	1037.8	1056.9	1061.7	1048.6	1061.7	1074.9	1083.2	998.3
40°	1003.1	1003.1	1027.0	1059.3	1089.2	1107.1	1116.7	1164.5	1175.3	1181.3	1056.9
42.5°	979.2	987.6	1037.8	1084.4	1123.9	1151.4	1190.8	1270.9	1282.9	1245.8	1134.6
45°	958.9	966.1	1016.3	1095.2	1152.6	1206.4	1278.1	1361.8	1373.8	1310.4	1178.9
47.5°	938.6	946.9	999.5	1086.8	1178.9	1267.4	1348.7	1439.5	1445.5	1366.6	1237.5
50°	915.8	924.2	979.2	1076.1	1194.4	1333.1	1418.0	1511.3	1512.5	1415.6	1267.4
52.5°	887.1	897.9	952.9	1060.5	1207.6	1377.4	1480.2	1563.9	1556.7	1475.4	1303.2
55°	851.3	863.2	924.2	1040.2	1214.7	1406.0	1520.8	1615.3	1610.5	1544.7	1349.9
57.5°	810.6	823.8	887.1	1009.1	1212.4	1420.4	1562.7	1700.2	1702.6	1602.1	1384.5
60°	764.0	776.0	835.7	968.5	1181.3	1446.7	1652.3	1793.4	1801.8	1665.5	1398.9
62.5°	703.0	713.8	771.2	908.7	1141.8	1465.8	1720.5	1881.9	1878.3	1708.5	1403.7
65°	626.5	638.5	692.3	829.8	1079.6	1453.9	1742.0	1923.8	1923.8	1739.6	1400.1
67.5°	548.8	559.5	605.0	729.3	979.2	1394.1	1728.9	1940.5	1951.2	1760.0	1367.8
70°	444.8	450.7	496.2	599.0	839.3	1281.7	1695.4	1957.2	1956.0	1737.2	1306.8
72.5°	326.4	333.6	370.6	449.6	649.2	1109.5	1590.2	1855.6	1836.5	1615.3	1188.4
75°	168.6	175.8	204.5	282.2	413.7	783.1	1355.8	1639.2	1635.6	1430.0	984.0
77.5°	22.7	22.7	26.3	46.6	95.6	312.1	888.3	1227.9	1220.7	1090.4	715.0
80°	15.5	15.5	17.9	21.5	27.5	68.2	313.3	622.9	633.7	561.9	320.4
82.5°	12.0	10.8	13.2	15.5	16.7	31.1	95.6	172.2	174.6	156.6	98.0
85°	7.2	7.2	7.2	7.2	6.0	8.4	21.5	28.7	32.3	31.1	25.1
87.5°	3.6	3.6	3.6	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	557.2	560.7	565.5	571.5	577.5	582.3	587.0	589.4	591.8	593.0	594.2
5°	566.7	571.5	577.5	585.9	585.9	582.3	579.9	579.9	582.3	585.9	587.0
7.5°	576.3	581.1	578.7	577.5	578.7	573.9	567.9	564.3	561.9	561.9	564.3
10°	579.9	575.1	572.7	566.7	554.8	552.4	547.6	538.0	535.6	538.0	529.7
12.5°	577.5	573.9	561.9	552.4	540.4	520.1	508.1	508.1	502.2	501.0	502.2
15°	583.5	571.5	557.2	536.8	515.3	498.6	479.4	462.7	457.9	459.1	459.1
17.5°	588.2	576.3	547.6	516.5	497.4	467.5	446.0	436.4	428.0	426.8	426.8
20°	599.0	582.3	541.6	508.1	460.3	437.6	413.7	401.7	388.6	370.6	364.7
22.5°	615.7	593.0	538.0	485.4	443.6	407.7	373.0	337.2	315.6	301.3	304.9
25°	638.5	613.4	541.6	477.1	418.5	373.0	327.6	278.6	246.3	236.7	242.7
27.5°	679.1	636.1	552.4	465.1	400.5	332.4	264.2	221.2	191.3	181.7	185.3
30°	716.2	670.7	553.6	457.9	371.8	284.6	208.0	160.2	136.3	122.0	118.4
32.5°	783.1	707.8	583.5	448.4	341.9	231.9	153.0	106.4	84.9	76.5	74.1
35°	848.9	773.6	591.8	430.4	286.9	172.2	94.5	63.4	51.4	45.4	44.2
37.5°	939.8	853.7	626.5	411.3	231.9	105.2	57.4	38.3	35.9	34.7	34.7
40°	985.2	895.5	655.2	383.8	162.6	59.8	37.1	33.5	32.3	31.1	31.1
42.5°	1049.8	943.3	679.1	334.8	95.6	39.5	33.5	31.1	29.9	28.7	28.7
45°	1085.6	968.5	673.1	275.0	47.8	37.1	32.3	29.9	27.5	27.5	27.5
47.5°	1133.4	1005.5	657.6	203.3	43.0	35.9	31.1	28.7	27.5	28.7	27.5
50°	1178.9	1041.4	614.5	161.4	41.8	34.7	31.1	27.5	27.5	27.5	27.5
52.5°	1204.0	1074.9	560.7	118.4	43.0	34.7	29.9	27.5	27.5	26.3	27.5
55°	1227.9	1079.6	517.7	86.1	43.0	33.5	28.7	26.3	25.1	23.9	23.9
57.5°	1244.6	1068.9	483.0	71.7	43.0	33.5	27.5	25.1	21.5	20.3	20.3
60°	1239.9	1042.6	454.3	65.8	40.7	31.1	25.1	21.5	19.1	16.7	16.7
62.5°	1226.7	1027.0	401.7	57.4	37.1	28.7	22.7	17.9	15.5	14.3	14.3
65°	1214.7	978.0	340.8	51.4	34.7	25.1	19.1	15.5	13.2	12.0	12.0
67.5°	1157.4	913.5	253.5	44.2	31.1	22.7	16.7	14.3	12.0	10.8	9.6
70°	1072.5	809.4	166.2	38.3	27.5	19.1	14.3	12.0	9.6	8.4	8.4
72.5°	927.8	668.4	86.1	31.1	22.7	16.7	13.2	10.8	8.4	7.2	7.2
75°	753.2	491.4	51.4	23.9	17.9	14.3	10.8	8.4	7.2	6.0	6.0
77.5°	521.3	271.4	37.1	17.9	12.0	10.8	8.4	7.2	6.0	4.8	4.8
80°	175.8	74.1	26.3	13.2	8.4	8.4	6.0	4.8	4.8	3.6	3.6
82.5°	69.3	45.4	17.9	9.6	7.2	6.0	4.8	3.6	3.6	3.6	3.6
85°	19.1	13.2	7.2	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4
87.5°	1.2	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
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)