

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: P691033

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3173 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

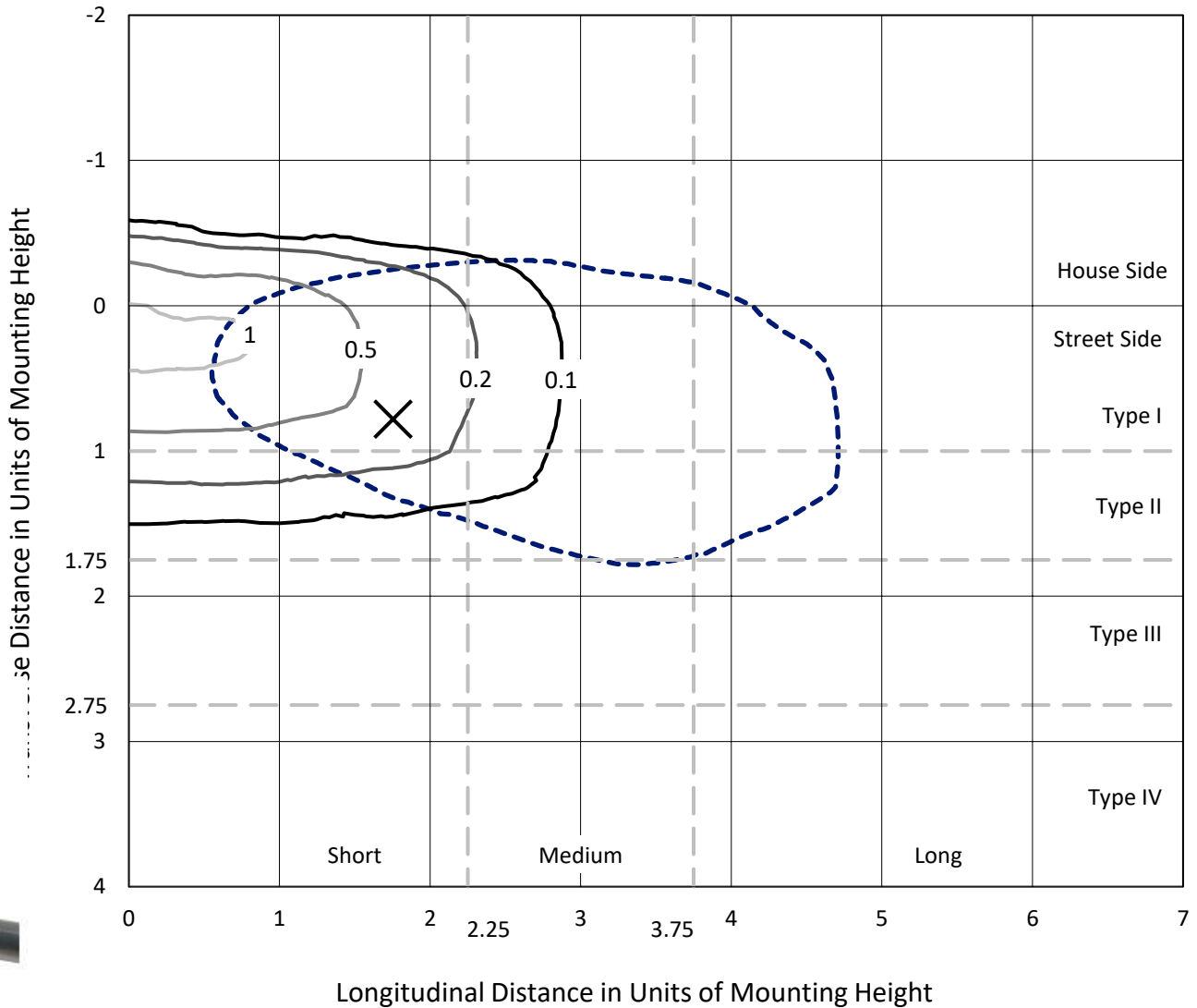
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

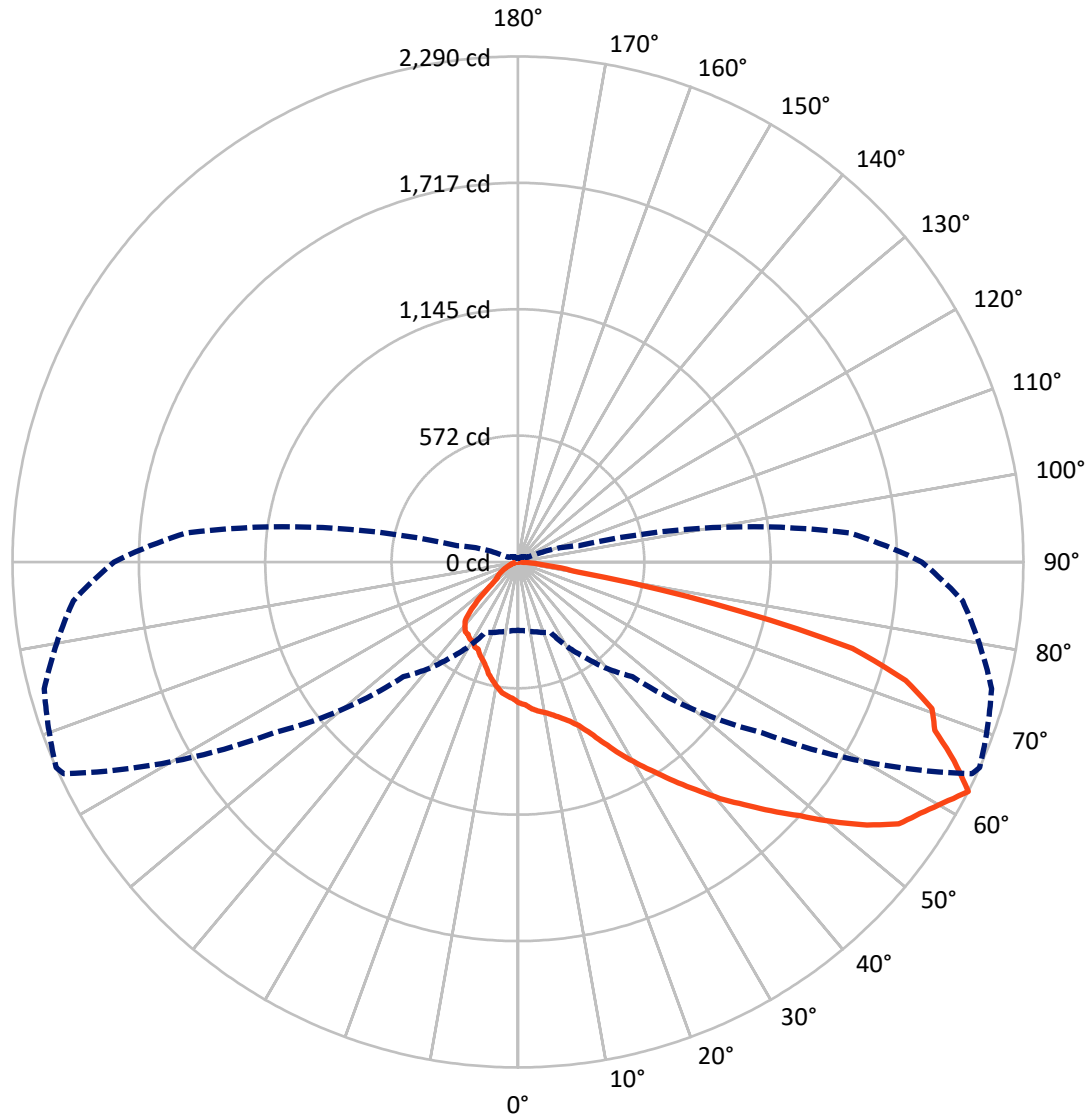
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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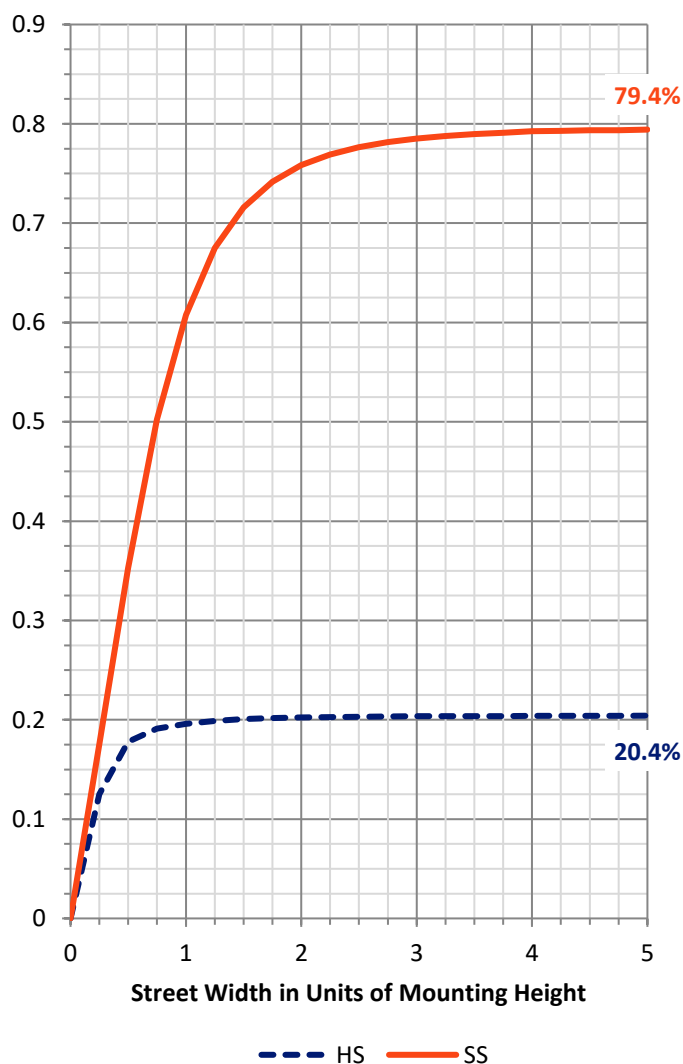
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	655.5	0.0	655.5
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2517.5	0.0	2517.5
	% Fixture	79.3	0.0	79.3
Total	Lumens	3173.0	0.0	3173.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	1.9
10°-20°	171.7	5.4
20°-30°	281.8	8.9
30°-40°	414.6	13.1
40°-50°	546.8	17.2
50°-60°	636.5	20.1
60°-70°	632.5	19.9
70°-80°	391.3	12.3
80°-90°	37.4	1.2
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°	3173.0	100.0
0°-180°	3173.0	100.0

Coefficient of Utilization



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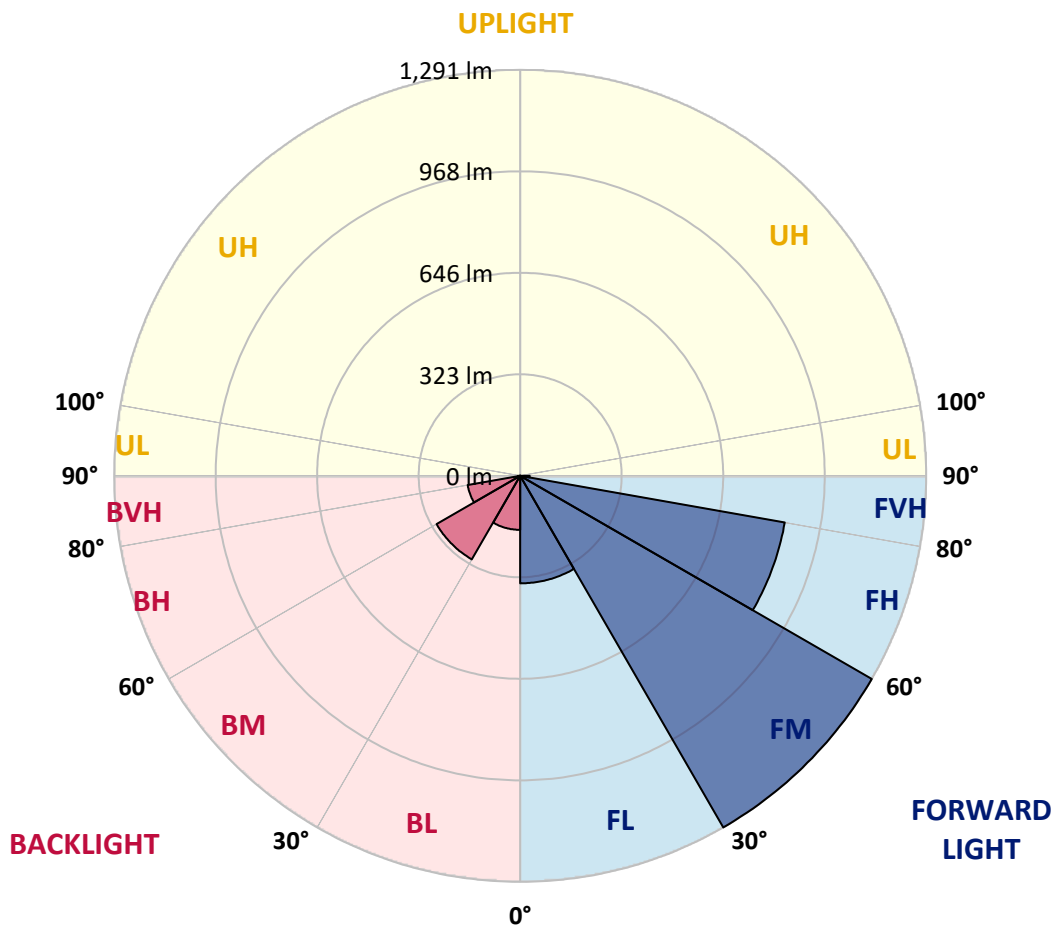
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.9	10.8			
FM (30°-60°)	1291.1	40.7			
FH (60°-80°)	854.4	26.9			G1/1800
FVH (80°-90°)	30.2	1.0			G1/100
BL (0°-30°)	171.9	5.4	B1/500		
BM (30°-60°)	306.9	9.7	B1/1000		
BH (60°-80°)	169.5	5.3	B1/500		G1/500
BVH (80°-90°)	7.2	0.2			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5
2.5°	674.4	674.4	673.2	664.8	661.2	656.5	652.9	649.3	648.1	644.5	638.5
5°	713.8	712.7	712.7	705.5	698.3	688.7	679.2	669.6	668.4	658.8	645.7
7.5°	736.6	736.6	734.2	729.4	724.6	718.6	704.3	684.0	682.8	669.6	651.7
10°	742.5	743.7	748.5	736.6	733.0	727.0	719.8	698.3	694.7	675.6	646.9
12.5°	764.1	764.1	762.9	752.1	748.5	743.7	731.8	715.0	711.5	687.5	648.1
15°	790.4	791.6	788.0	778.4	773.6	767.7	752.1	734.2	733.0	701.9	657.6
17.5°	803.5	803.5	805.9	792.8	794.0	791.6	784.4	759.3	758.1	729.4	674.4
20°	808.3	809.5	810.7	810.7	811.9	809.5	816.7	795.2	791.6	759.3	697.1
22.5°	829.8	832.2	838.2	834.6	840.6	844.2	846.6	847.8	843.0	809.5	735.4
25°	839.4	845.4	853.7	866.9	876.5	883.6	901.6	909.9	908.8	880.1	798.7
27.5°	825.1	832.2	860.9	883.6	917.1	936.3	969.7	980.5	984.1	957.8	866.9
30°	844.2	846.6	859.7	888.4	930.3	987.7	1033.1	1057.0	1057.0	1036.7	933.9
32.5°	814.3	821.5	859.7	912.3	976.9	1039.1	1082.1	1133.5	1133.5	1124.0	1029.5
35°	810.7	814.3	837.0	895.6	978.1	1091.7	1149.1	1210.1	1218.4	1219.6	1124.0
37.5°	777.2	784.4	825.1	900.4	1014.0	1124.0	1204.1	1298.6	1308.1	1321.3	1202.9
40°	740.2	742.5	778.4	857.3	1005.6	1165.8	1256.7	1397.8	1408.6	1426.5	1308.1
42.5°	685.2	694.7	754.5	840.6	1002.0	1179.0	1315.3	1491.1	1503.0	1528.1	1395.4
45°	636.1	639.7	684.0	779.6	962.6	1198.1	1360.7	1601.1	1608.3	1623.8	1468.4
47.5°	596.7	599.1	643.3	725.8	925.5	1193.3	1405.0	1700.3	1717.1	1741.0	1554.4
50°	478.3	491.4	601.5	681.6	860.9	1185.0	1439.7	1824.7	1849.8	1859.4	1653.7
52.5°	407.7	410.1	467.5	637.3	794.0	1149.1	1473.1	1951.4	1980.1	1953.8	1773.3
55°	377.8	380.2	406.5	548.8	737.8	1079.7	1498.2	2073.4	2093.7	2029.1	1862.9
57.5°	358.7	363.5	375.5	446.0	670.8	963.8	1503.0	2140.4	2148.7	2088.9	1908.4
60°	332.4	332.4	356.3	389.8	597.9	839.4	1463.6	2173.8	2214.5	2157.1	1992.1
62.5°	309.7	312.1	327.6	352.7	526.1	734.2	1347.6	2269.5	2289.8	2221.7	2022.0
65°	283.4	285.8	300.1	325.2	478.3	675.6	1285.4	2231.2	2171.4	2204.9	2059.0
67.5°	253.5	254.7	269.0	291.8	401.8	623.0	1135.9	2085.3	2036.3	2126.0	1956.2
70°	223.6	223.6	235.6	253.5	327.6	546.4	938.6	1952.6	1989.7	1994.5	1854.6
72.5°	186.5	187.7	199.7	215.2	263.1	456.8	742.5	1819.9	1836.6	1773.3	1631.0
75°	133.9	138.7	151.9	167.4	208.1	362.3	527.3	1479.1	1566.4	1678.8	1401.4
77.5°	20.3	20.3	25.1	38.3	68.2	181.8	243.9	816.7	906.4	1405.0	1224.4
80°	16.7	16.7	17.9	25.1	39.5	101.6	78.9	255.9	275.0	645.7	689.9
82.5°	8.4	8.4	13.2	17.9	23.9	29.9	33.5	123.2	142.3	220.0	275.0
85°	4.8	4.8	6.0	8.4	9.6	9.6	10.8	58.6	61.0	119.6	124.4
87.5°	1.2	1.2	2.4	2.4	2.4	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°	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5	638.5
2.5°	636.1	632.5	625.4	619.4	615.8	608.6	602.6	597.9	595.5	601.5	602.6
5°	637.3	629.0	615.8	607.4	597.9	585.9	571.6	563.2	559.6	560.8	564.4
7.5°	639.7	627.8	612.2	594.3	569.2	545.3	528.5	518.9	514.2	520.1	520.1
10°	632.5	619.4	597.9	570.4	538.1	514.2	495.0	478.3	472.3	474.7	475.9
12.5°	632.5	614.6	578.7	545.3	515.4	475.9	447.2	431.7	425.7	426.9	429.3
15°	636.1	612.2	562.0	521.3	477.1	435.2	410.1	391.0	385.0	379.0	381.4
17.5°	648.1	608.6	553.6	489.1	440.0	400.6	365.9	344.4	339.6	339.6	340.8
20°	660.0	613.4	539.3	465.1	406.5	357.5	321.7	306.1	295.3	290.6	295.3
22.5°	685.2	630.1	529.7	449.6	371.9	325.2	291.8	257.1	237.9	229.6	232.0
25°	730.6	660.0	536.9	422.1	352.7	295.3	248.7	206.9	180.6	172.2	174.6
27.5°	801.1	709.1	545.3	419.7	318.1	265.5	202.1	156.6	136.3	127.9	130.3
30°	870.5	776.0	572.8	395.8	304.9	217.6	153.1	120.8	100.4	92.1	94.5
32.5°	930.3	840.6	607.4	389.8	270.2	163.8	114.8	89.7	74.1	67.0	68.2
35°	1018.8	895.6	637.3	371.9	229.6	123.2	83.7	64.6	56.2	53.8	53.8
37.5°	1097.7	960.2	666.0	365.9	172.2	92.1	59.8	52.6	51.4	47.8	47.8
40°	1180.2	1028.3	679.2	344.4	125.6	64.6	49.0	49.0	47.8	44.2	44.2
42.5°	1277.0	1097.7	691.1	319.3	89.7	49.0	45.4	46.6	45.4	41.9	40.7
45°	1346.4	1140.7	694.7	255.9	62.2	46.6	43.0	44.2	43.0	40.7	39.5
47.5°	1409.8	1202.9	679.2	179.4	50.2	44.2	41.9	41.9	41.9	38.3	37.1
50°	1475.5	1254.3	666.0	96.9	49.0	43.0	39.5	38.3	39.5	37.1	35.9
52.5°	1562.8	1293.8	631.3	65.8	47.8	41.9	38.3	35.9	37.1	34.7	35.9
55°	1678.8	1397.8	568.0	62.2	47.8	40.7	37.1	33.5	33.5	32.3	32.3
57.5°	1731.4	1437.3	466.3	59.8	46.6	40.7	34.7	31.1	28.7	27.5	26.3
60°	1796.0	1494.7	359.9	55.0	43.0	38.3	31.1	27.5	23.9	22.7	22.7
62.5°	1829.5	1507.8	284.6	49.0	39.5	33.5	27.5	22.7	19.1	16.7	16.7
65°	1848.6	1500.6	198.5	44.2	34.7	29.9	23.9	19.1	14.3	13.2	12.0
67.5°	1784.0	1457.6	116.0	38.3	29.9	26.3	20.3	15.5	12.0	10.8	9.6
70°	1654.9	1326.1	72.9	33.5	26.3	22.7	17.9	13.2	9.6	8.4	8.4
72.5°	1516.2	1069.0	50.2	26.3	20.3	17.9	13.2	10.8	8.4	6.0	6.0
75°	1364.3	927.9	37.1	19.1	14.3	13.2	10.8	8.4	7.2	4.8	4.8
77.5°	967.3	614.6	29.9	14.3	9.6	8.4	7.2	6.0	4.8	4.8	3.6
80°	571.6	300.1	22.7	9.6	7.2	6.0	4.8	4.8	3.6	3.6	3.6
82.5°	214.0	114.8	15.5	7.2	4.8	4.8	3.6	3.6	2.4	2.4	2.4
85°	77.7	28.7	7.2	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.2	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

(END OF REPORT)