

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: P691034

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3475 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

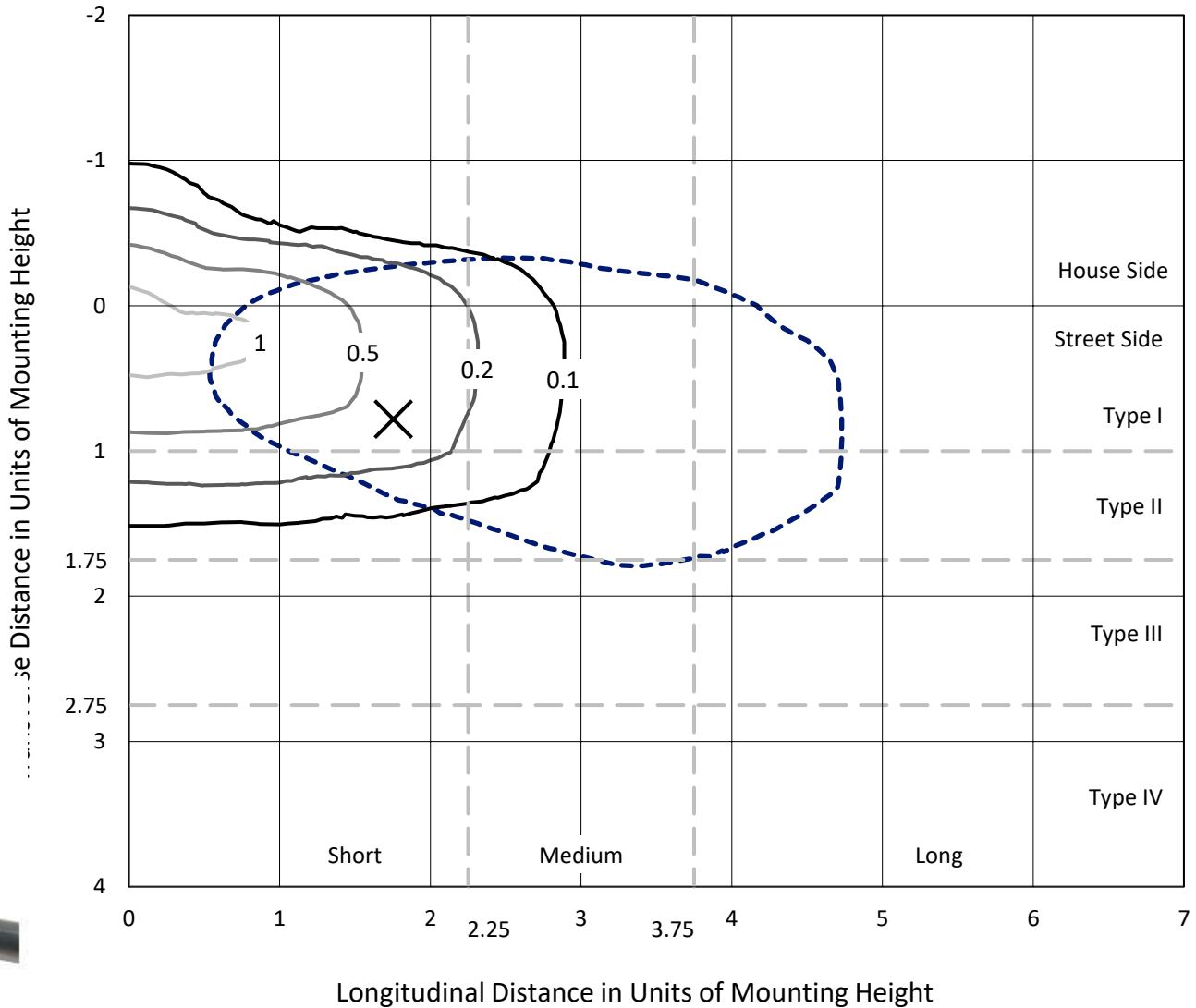
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

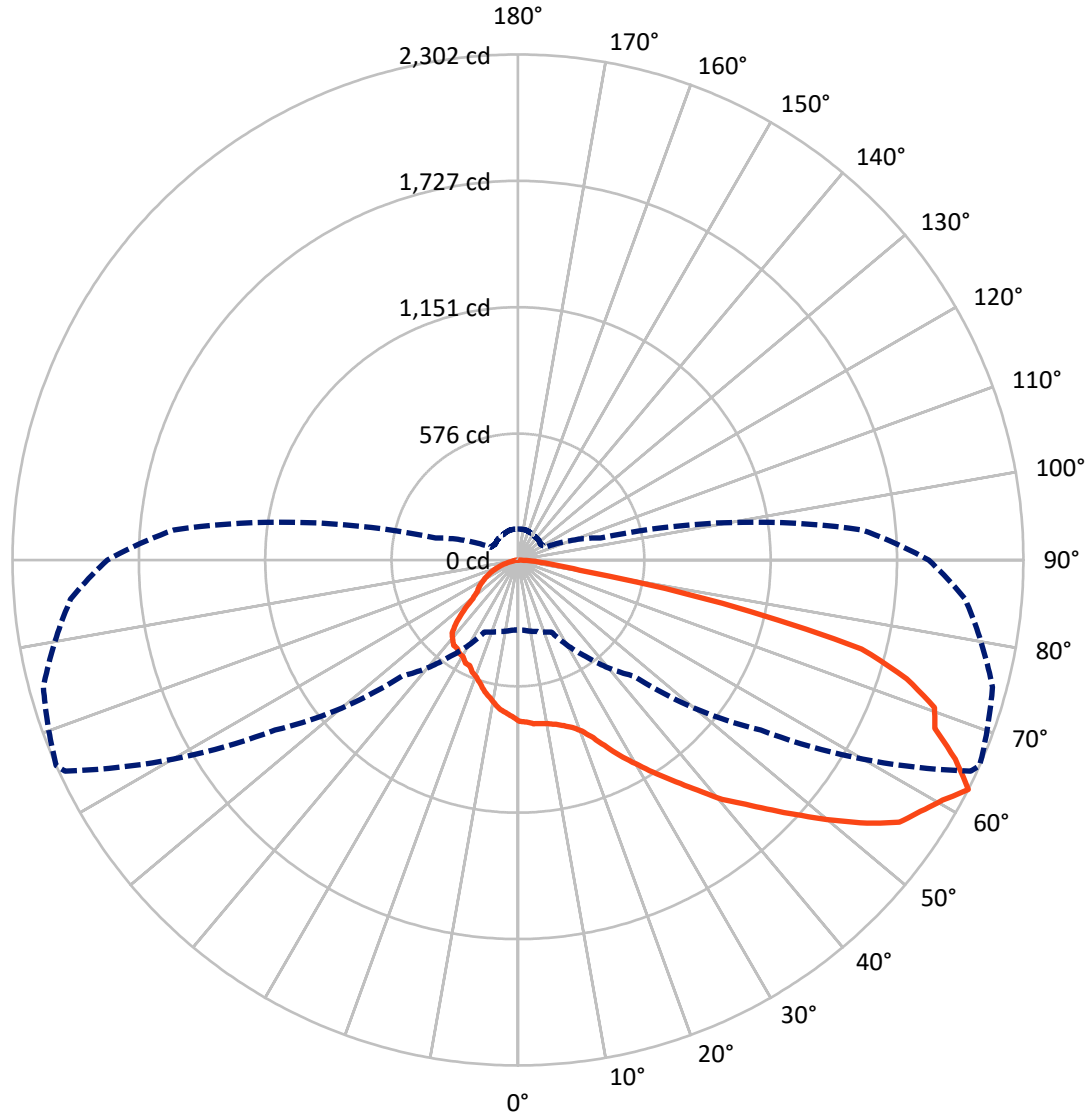
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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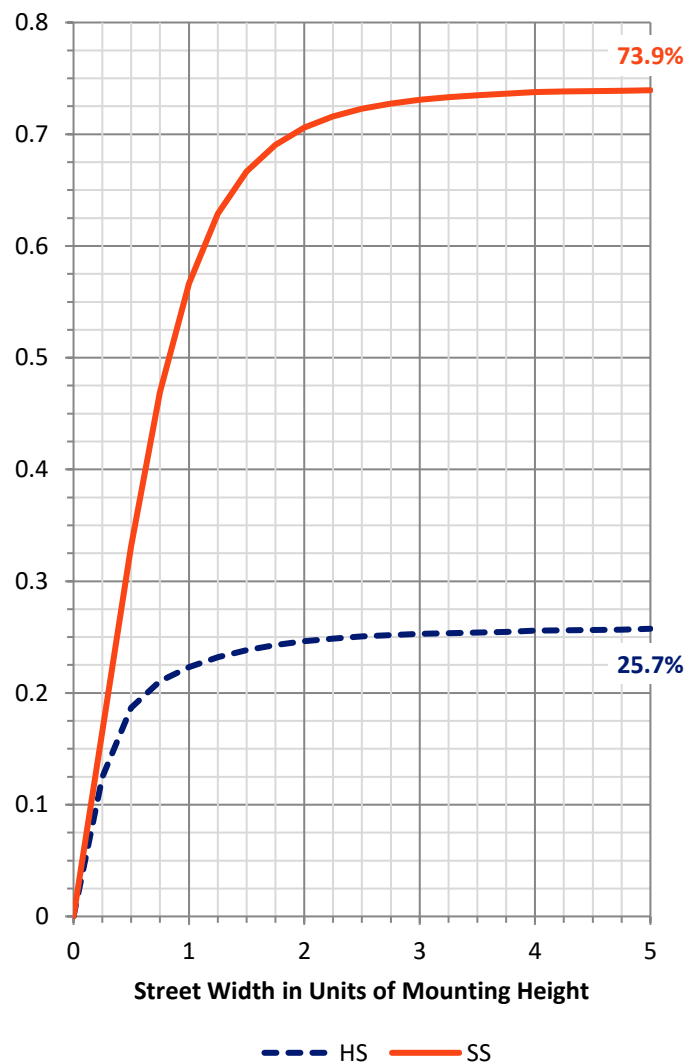
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.0	0.0	908.0
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	2567.0	0.0	2567.0
	% Fixture	73.9	0.0	73.9
Total	Lumens	3475.0	0.0	3475.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	2.0
10°-20°	195.1	5.6
20°-30°	316.9	9.1
30°-40°	457.0	13.2
40°-50°	594.5	17.1
50°-60°	690.5	19.9
60°-70°	683.1	19.7
70°-80°	423.1	12.2
80°-90°	46.0	1.3
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°	3475.0	100.0
0°-180°	3475.0	100.0

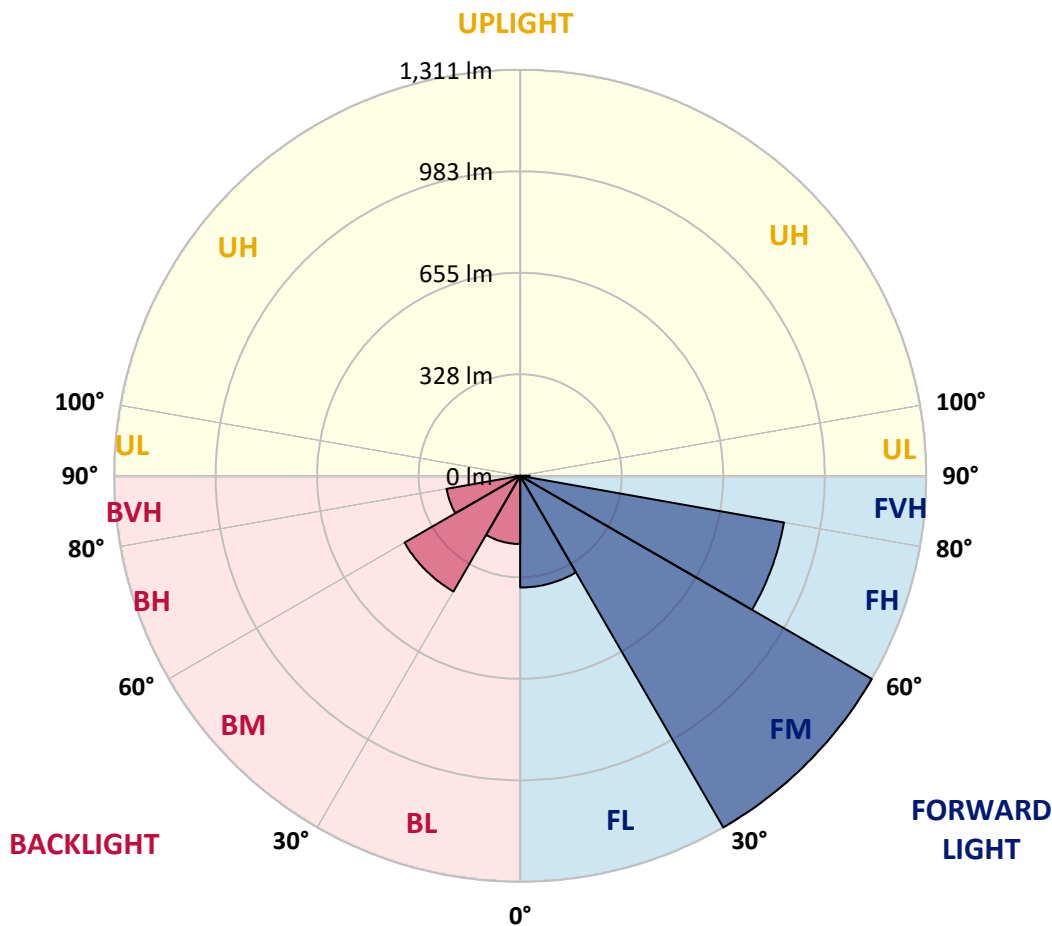


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.5	10.4			
FM (30°-60°)	1310.8	37.7			
FH (60°-80°)	864.8	24.9			G1/1800
FVH (80°-90°)	30.8	0.9			G1/100
BL (0°-30°)	220.3	6.3	B1/500		
BM (30°-60°)	431.1	12.4	B1/1000		
BH (60°-80°)	241.5	6.9	B1/500		G1/500
BVH (80°-90°)	15.1	0.4			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0
2.5°	761.3	761.3	763.7	755.4	750.6	747.0	743.4	739.8	738.6	735.0	730.3
5°	794.8	794.8	796.0	787.6	778.1	767.3	756.6	749.4	749.4	741.0	729.1
7.5°	812.7	812.7	812.7	803.2	797.2	790.0	773.3	753.0	751.8	743.4	726.7
10°	812.7	812.7	817.5	803.2	798.4	791.2	781.7	760.1	757.8	738.6	715.9
12.5°	827.1	829.5	827.1	811.5	806.8	800.8	787.6	769.7	768.5	743.4	711.1
15°	847.4	848.6	845.0	834.2	829.5	819.9	804.4	785.2	782.9	753.0	714.7
17.5°	852.2	853.4	855.8	842.6	842.6	839.0	830.7	808.0	802.0	775.7	725.5
20°	849.8	851.0	854.6	852.2	853.4	851.0	857.0	837.8	830.7	802.0	742.2
22.5°	860.5	862.9	870.1	871.3	876.1	880.9	883.3	884.4	879.7	846.2	776.9
25°	864.1	871.3	880.9	894.0	910.7	920.3	933.5	946.6	945.4	911.9	834.2
27.5°	847.4	855.8	885.6	906.0	943.0	969.3	999.2	1017.1	1017.1	989.6	900.0
30°	862.9	866.5	882.1	910.7	953.8	1013.5	1060.1	1082.8	1085.2	1067.3	964.5
32.5°	830.7	839.0	877.3	932.3	998.0	1063.7	1110.3	1159.3	1161.7	1155.8	1058.9
35°	827.1	831.9	853.4	911.9	996.8	1110.3	1172.5	1234.6	1240.6	1247.8	1151.0
37.5°	790.0	799.6	841.4	914.3	1030.3	1141.4	1225.1	1320.7	1330.3	1353.0	1229.9
40°	750.6	757.8	792.4	871.3	1019.5	1180.9	1276.5	1422.3	1434.2	1453.4	1338.6
42.5°	696.8	711.1	770.9	853.4	1014.7	1192.8	1333.8	1515.5	1520.3	1553.8	1424.7
45°	646.6	651.4	696.8	791.2	972.9	1210.7	1376.9	1620.7	1624.3	1645.8	1496.4
47.5°	606.0	611.9	658.6	738.6	934.6	1206.0	1419.9	1722.3	1739.0	1762.9	1583.6
50°	480.5	493.6	616.7	693.2	868.9	1197.6	1454.6	1844.2	1863.3	1886.0	1676.9
52.5°	414.7	420.7	482.9	647.8	804.4	1161.7	1486.8	1968.5	1991.2	1979.2	1795.2
55°	386.0	389.6	418.3	558.2	747.0	1093.6	1510.7	2084.4	2108.3	2051.0	1888.4
57.5°	365.7	370.5	387.2	456.6	682.5	974.1	1513.1	2152.6	2160.9	2110.7	1926.7
60°	338.2	341.8	365.7	399.2	607.2	848.6	1470.1	2182.4	2221.9	2174.1	2012.7
62.5°	317.9	321.5	337.0	362.1	534.3	748.2	1350.6	2275.7	2302.0	2237.4	2045.0
65°	294.0	294.0	309.6	334.7	487.6	687.2	1288.4	2245.8	2188.4	2219.5	2084.4
67.5°	259.4	261.7	277.3	297.6	408.8	628.7	1135.4	2107.1	2047.4	2133.4	1980.4
70°	230.7	228.3	245.0	260.6	334.7	554.6	940.6	1963.7	2012.7	2003.2	1884.8
72.5°	192.4	190.0	204.4	221.1	270.1	460.2	743.4	1822.7	1851.4	1791.6	1672.1
75°	149.4	135.1	155.4	176.9	212.7	364.5	527.1	1509.5	1617.1	1688.8	1425.9
77.5°	23.9	23.9	29.9	41.8	69.3	185.3	235.5	829.5	951.4	1437.8	1250.2
80°	19.1	19.1	21.5	28.7	41.8	101.6	78.9	257.0	286.8	620.3	719.5
82.5°	10.8	10.8	15.5	19.1	26.3	31.1	34.7	125.5	139.8	219.9	278.5
85°	6.0	6.0	8.4	9.6	10.8	10.8	10.8	57.4	64.5	117.1	126.7
87.5°	3.6	3.6	3.6	3.6	3.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0
2.5°	727.9	724.3	718.3	713.5	709.9	706.4	700.4	696.8	696.8	702.8	704.0
5°	721.9	713.5	702.8	698.0	692.0	686.0	676.5	671.7	670.5	674.1	676.5
7.5°	717.1	705.2	694.4	682.5	664.5	649.0	640.6	634.7	637.0	643.0	640.6
10°	702.8	692.0	675.3	657.4	635.8	622.7	609.6	602.4	603.6	607.2	603.6
12.5°	696.8	682.5	655.0	633.5	614.3	589.2	572.5	561.7	561.7	567.7	567.7
15°	696.8	675.3	638.2	611.9	582.1	557.0	537.8	528.3	534.3	530.7	528.3
17.5°	702.8	669.3	627.5	583.3	547.4	522.3	499.6	486.4	490.0	492.4	490.0
20°	709.9	669.3	614.3	560.5	518.7	482.9	457.8	443.4	442.2	443.4	445.8
22.5°	733.9	684.8	606.0	546.2	482.9	448.2	423.1	398.0	396.8	395.6	398.0
25°	774.5	713.5	611.9	519.9	462.5	411.1	380.1	358.6	351.4	350.2	352.6
27.5°	841.4	763.7	621.5	516.3	425.5	378.9	340.6	316.7	309.6	311.9	310.8
30°	914.3	828.3	649.0	491.2	404.0	331.1	295.2	274.9	267.7	262.9	264.1
32.5°	968.1	892.8	683.7	482.9	362.1	279.7	253.4	241.4	233.1	227.1	225.9
35°	1053.0	947.8	714.7	463.7	325.1	246.2	224.7	211.6	206.8	203.2	203.2
37.5°	1134.2	1014.7	745.8	457.8	277.3	223.5	197.2	188.8	186.5	184.1	184.1
40°	1215.5	1082.8	763.7	433.9	239.0	196.0	170.9	169.7	173.3	170.9	172.1
42.5°	1315.9	1153.4	781.7	411.1	211.6	167.3	153.0	162.5	169.7	170.9	170.9
45°	1385.2	1201.2	788.8	356.2	182.9	145.8	149.4	160.2	168.5	172.1	170.9
47.5°	1448.6	1265.7	778.1	289.2	159.0	142.2	148.2	155.4	167.3	172.1	172.1
50°	1510.7	1319.5	768.5	213.9	150.6	143.4	148.2	151.8	164.9	169.7	169.7
52.5°	1598.0	1362.5	736.2	179.3	143.4	144.6	151.8	150.6	161.4	168.5	170.9
55°	1718.7	1462.9	674.1	169.7	142.2	143.4	151.8	151.8	159.0	164.9	168.5
57.5°	1772.5	1506.0	568.9	160.2	138.6	142.2	148.2	149.4	157.8	161.4	160.2
60°	1833.4	1559.7	466.1	149.4	132.7	139.8	142.2	147.0	153.0	153.0	151.8
62.5°	1870.5	1572.9	388.4	137.4	125.5	131.5	131.5	136.3	141.0	141.0	141.0
65°	1888.4	1559.7	290.4	126.7	117.1	121.9	120.7	123.1	126.7	120.7	120.7
67.5°	1817.9	1510.7	200.8	112.3	107.6	112.3	111.2	112.3	111.2	106.4	107.6
70°	1697.2	1373.3	138.6	95.6	94.4	102.8	104.0	101.6	94.4	90.8	90.8
72.5°	1545.4	1102.0	95.6	76.5	80.1	90.8	93.2	88.4	81.3	77.7	77.7
75°	1402.0	952.6	68.1	52.6	53.8	69.3	74.1	74.1	71.7	95.6	101.6
77.5°	975.3	616.7	39.4	27.5	26.3	39.4	45.4	46.6	89.6	96.8	94.4
80°	578.5	290.4	28.7	16.7	16.7	22.7	31.1	61.0	102.8	69.3	62.2
82.5°	221.1	111.2	17.9	10.8	9.6	12.0	17.9	94.4	59.8	39.4	35.9
85°	80.1	27.5	8.4	6.0	6.0	7.2	10.8	80.1	41.8	29.9	28.7
87.5°	1.2	1.2	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	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)