

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: P691066

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691066
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-C013-5TLD-U-T3-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3516 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

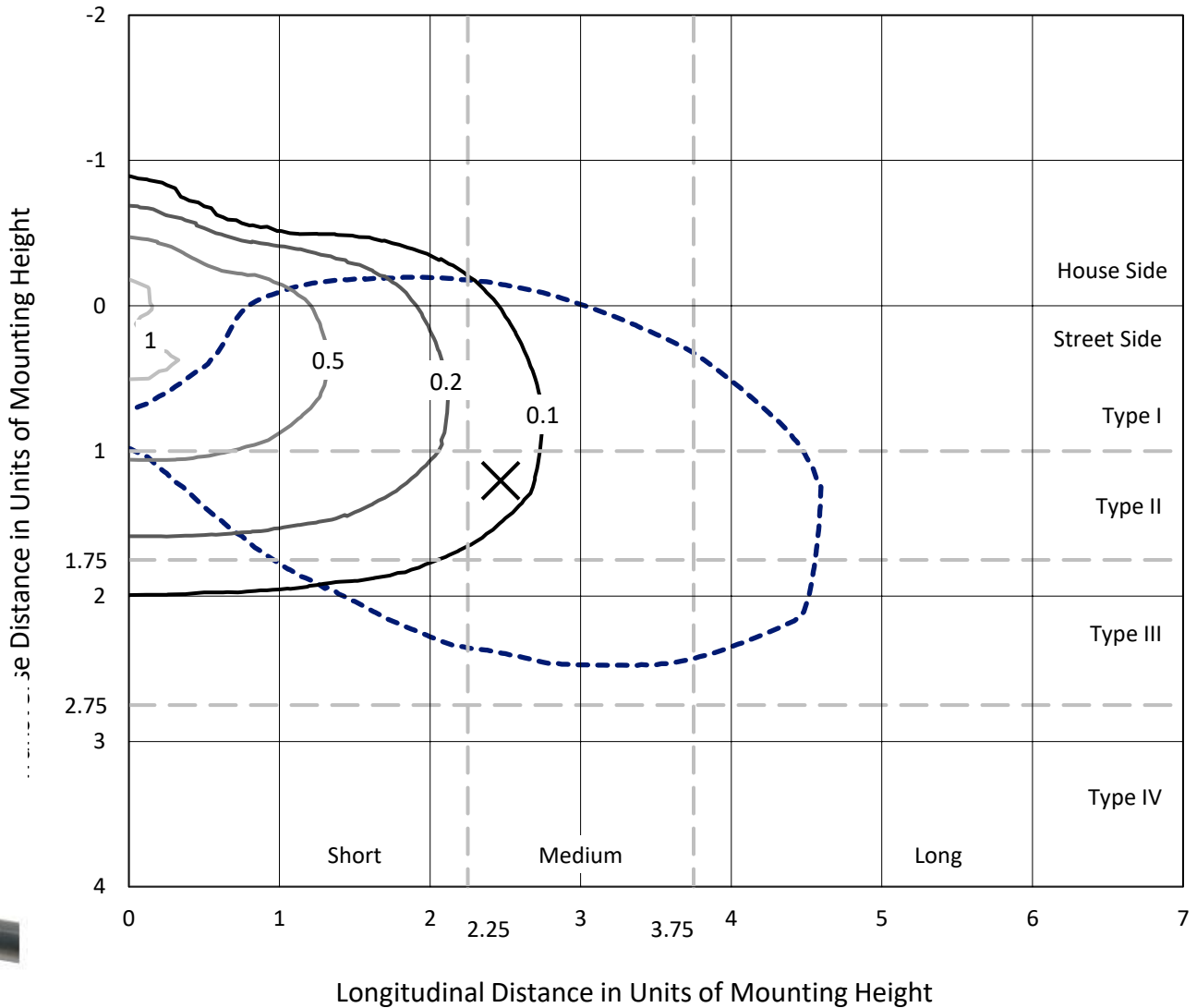
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

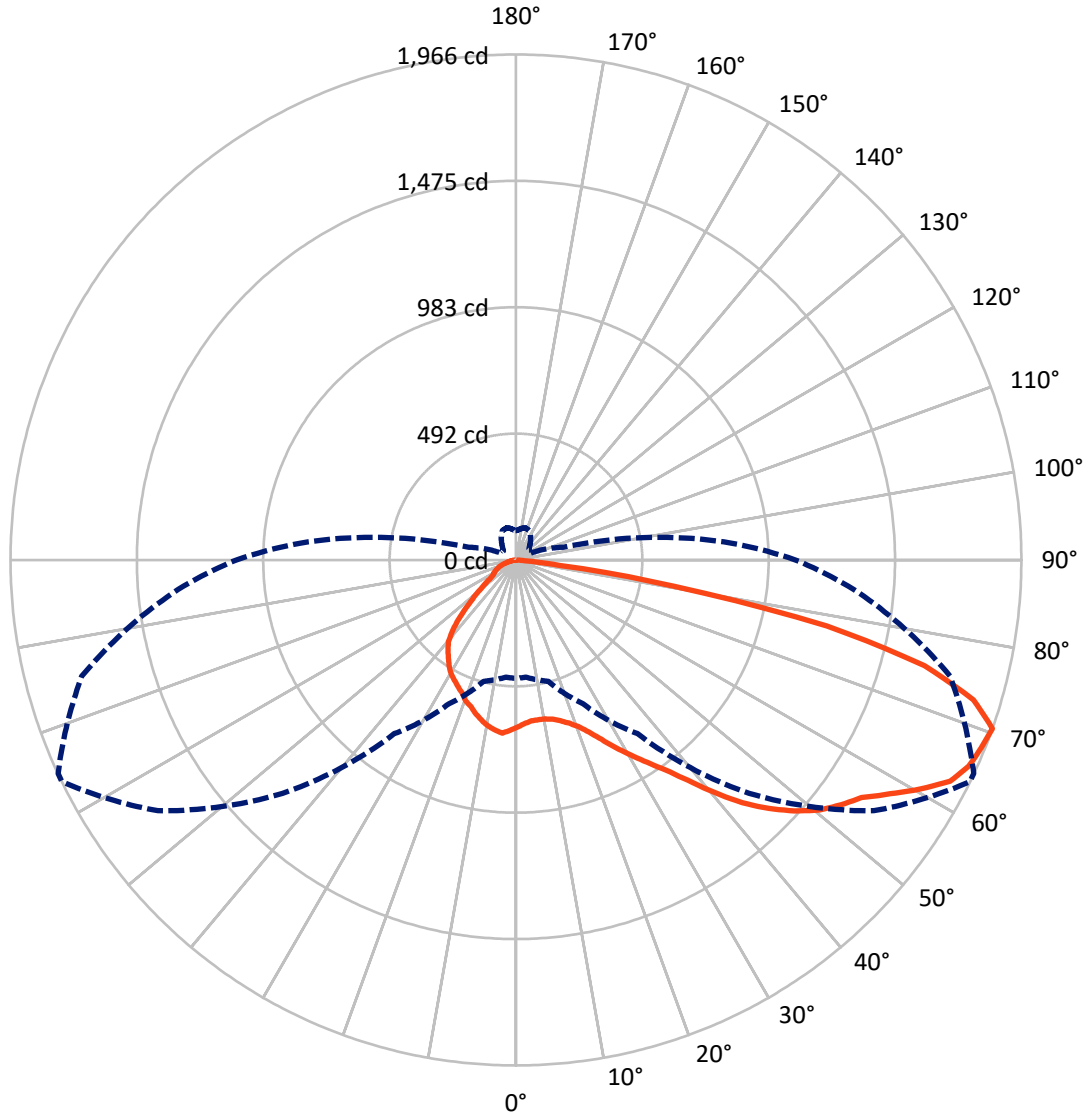
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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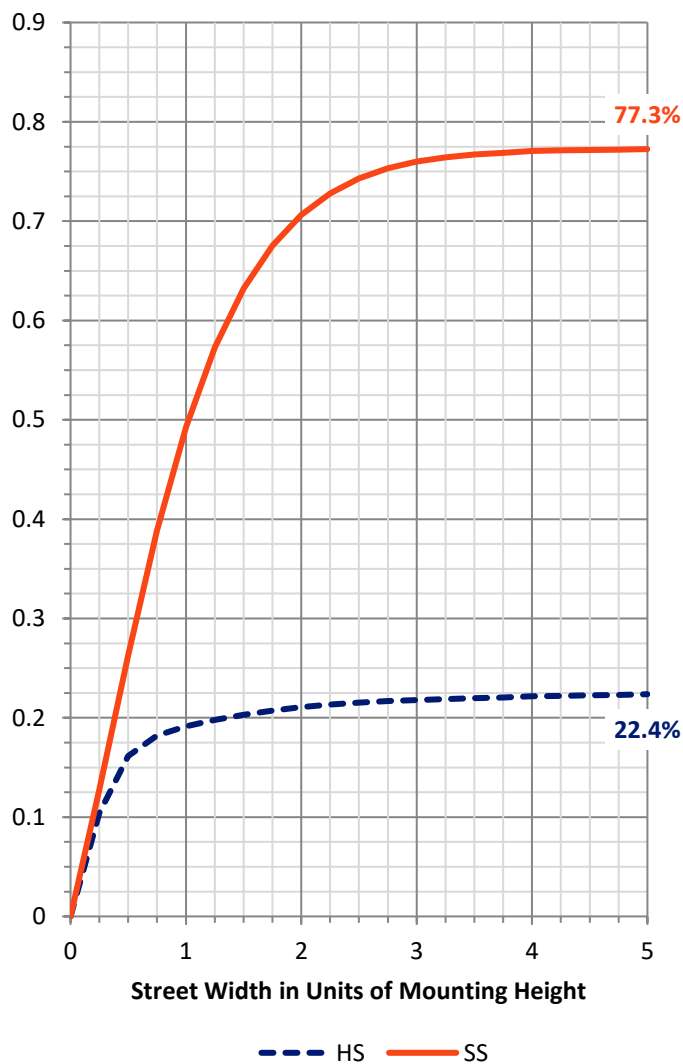
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	798.7	0.0	798.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2717.3	0.0	2717.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	3516.0	0.0	3516.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	1.8
10°-20°	183.4	5.2
20°-30°	304.4	8.7
30°-40°	435.4	12.4
40°-50°	581.4	16.5
50°-60°	702.6	20.0
60°-70°	747.7	21.3
70°-80°	459.3	13.1
80°-90°	39.3	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°	3516.0	100.0
0°-180°	3516.0	100.0

Coefficient of Utilization

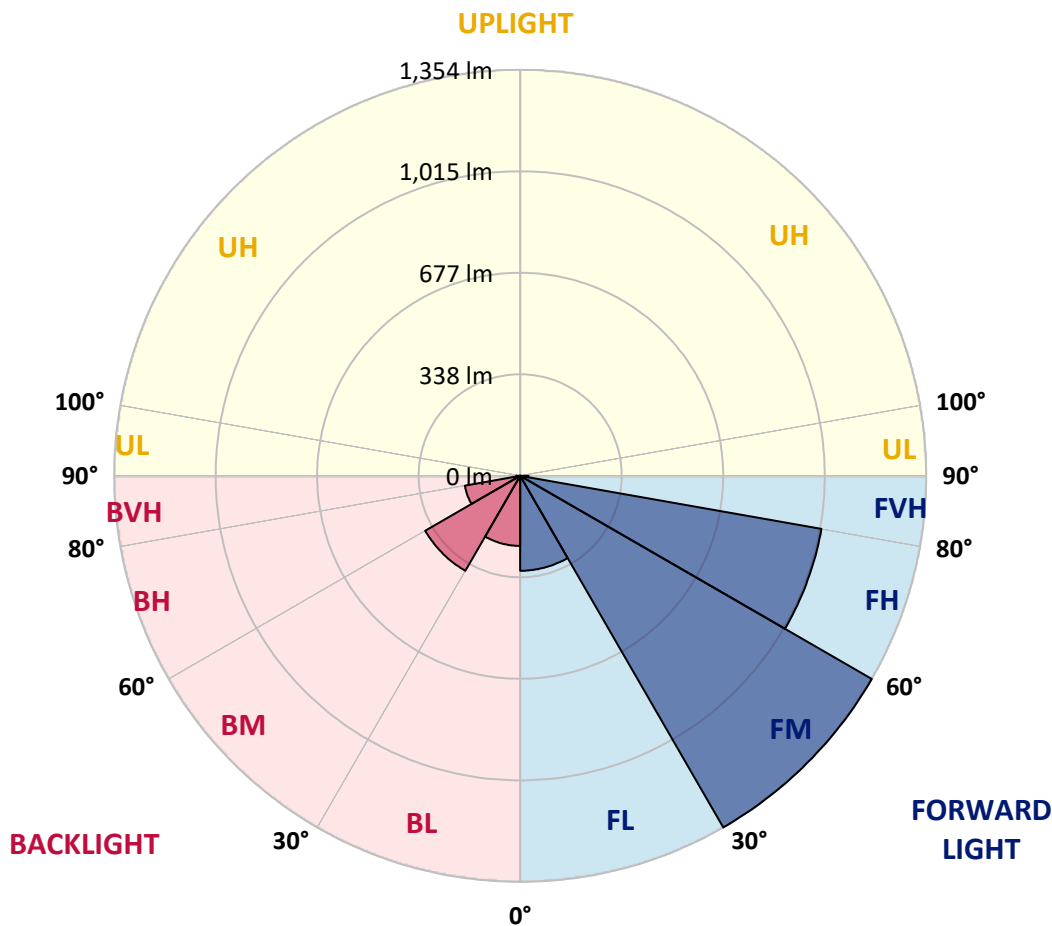


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.6	9.0			
FM (30°-60°)	1353.6	38.5			
FH (60°-80°)	1019.8	29.0			G1/1800
FVH (80°-90°)	27.3	0.8			G1/100
BL (0°-30°)	233.7	6.6	B1/500		
BM (30°-60°)	365.7	10.4	B1/1000		
BH (60°-80°)	187.3	5.3	B1/500		G1/500
BVH (80°-90°)	12.0	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3
2.5°	634.8	634.8	634.8	634.8	635.9	637.1	635.9	637.1	637.1	639.5	643.1
5°	645.5	645.5	643.1	638.3	634.8	630.0	627.6	628.8	628.8	634.8	644.3
7.5°	649.1	649.1	646.7	646.7	643.1	632.4	628.8	627.6	628.8	631.2	644.3
10°	667.0	665.8	659.9	652.7	647.9	638.3	630.0	628.8	630.0	633.6	647.9
12.5°	686.2	686.2	683.8	677.8	664.6	655.1	640.7	635.9	634.8	638.3	646.7
15°	724.4	719.6	710.1	701.7	692.1	676.6	657.5	649.1	646.7	651.5	647.9
17.5°	747.1	743.5	744.7	731.6	723.2	701.7	682.6	667.0	665.8	670.6	655.1
20°	772.2	771.0	773.4	772.2	759.1	739.9	710.1	690.9	688.5	689.7	665.8
22.5°	810.5	810.5	809.3	809.3	802.1	779.4	745.9	726.8	723.2	714.8	683.8
25°	852.3	852.3	852.3	854.7	854.7	828.4	794.9	773.4	771.0	759.1	713.6
27.5°	891.8	894.2	895.3	896.5	900.1	888.2	851.1	826.0	824.8	809.3	753.1
30°	922.8	924.0	934.8	937.2	944.4	940.8	904.9	881.0	883.4	863.1	797.3
32.5°	950.3	951.5	967.1	975.4	983.8	985.0	955.1	938.4	938.4	920.5	851.1
35°	976.6	977.8	997.0	1017.3	1034.0	1029.2	1012.5	1002.9	1006.5	1000.5	925.2
37.5°	999.3	1004.1	1029.2	1059.1	1078.2	1081.8	1074.7	1087.8	1095.0	1104.5	1025.6
40°	1020.9	1023.3	1047.2	1078.2	1110.5	1127.3	1135.6	1189.4	1196.6	1203.8	1083.0
42.5°	1000.5	1005.3	1056.7	1103.3	1144.0	1172.7	1212.1	1291.0	1306.6	1267.1	1160.7
45°	976.6	982.6	1034.0	1112.9	1170.3	1222.9	1295.8	1379.5	1391.4	1331.7	1202.6
47.5°	956.3	963.5	1016.1	1104.5	1197.8	1291.0	1363.9	1458.4	1465.5	1386.7	1259.9
50°	933.6	939.6	995.8	1093.8	1212.1	1353.2	1435.7	1530.1	1532.5	1432.1	1289.8
52.5°	903.7	909.7	967.1	1077.0	1222.9	1395.0	1495.4	1582.7	1573.1	1490.7	1324.5
55°	865.5	873.8	936.0	1054.3	1228.9	1420.1	1536.1	1631.7	1626.9	1560.0	1369.9
57.5°	824.8	833.2	896.5	1023.3	1222.9	1435.7	1577.9	1716.6	1715.4	1616.2	1403.4
60°	779.4	786.6	840.4	982.6	1190.6	1460.8	1670.0	1808.6	1818.2	1679.5	1416.5
62.5°	719.6	720.8	774.6	924.0	1148.8	1478.7	1735.7	1895.9	1889.9	1721.4	1418.9
65°	640.7	644.3	692.1	842.8	1080.6	1464.4	1752.4	1935.3	1935.3	1752.4	1416.5
67.5°	564.2	563.0	603.7	741.1	975.4	1401.0	1738.1	1952.1	1960.4	1772.8	1385.5
70°	460.2	457.8	488.9	616.8	824.8	1283.8	1701.0	1966.4	1965.2	1748.9	1319.7
72.5°	340.7	339.5	361.0	467.4	631.2	1098.6	1591.1	1861.2	1849.3	1634.1	1191.8
75°	188.9	179.3	178.1	289.3	367.0	769.8	1352.0	1641.3	1646.1	1444.0	998.2
77.5°	27.5	28.7	29.9	52.6	63.4	288.1	878.6	1237.2	1234.8	1114.1	728.0
80°	19.1	20.3	21.5	26.3	29.9	68.1	303.6	624.0	659.9	585.7	335.9
82.5°	14.3	14.3	15.5	17.9	16.7	31.1	94.4	173.3	179.3	162.6	99.2
85°	9.6	9.6	8.4	9.6	6.0	8.4	21.5	32.3	34.7	33.5	27.5
87.5°	4.8	4.8	3.6	3.6	2.4	2.4	2.4	1.2	2.4	1.2	2.4
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°	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3
2.5°	646.7	649.1	656.3	662.2	669.4	677.8	682.6	687.3	692.1	689.7	693.3
5°	649.1	653.9	664.6	675.4	681.4	682.6	683.8	687.3	694.5	694.5	700.5
7.5°	651.5	659.9	659.9	665.8	674.2	676.6	677.8	680.2	683.8	685.0	683.8
10°	651.5	647.9	653.9	655.1	651.5	657.5	661.1	659.9	663.4	664.6	664.6
12.5°	644.3	643.1	638.3	638.3	637.1	627.6	627.6	637.1	637.1	643.1	644.3
15°	644.3	634.8	628.8	620.4	612.0	608.5	603.7	596.5	598.9	607.3	609.6
17.5°	643.1	632.4	614.4	597.7	591.7	577.4	572.6	572.6	571.4	576.2	577.4
20°	647.9	632.4	604.9	585.7	553.5	548.7	539.1	540.3	541.5	534.3	530.8
22.5°	661.1	641.9	597.7	560.6	535.5	514.0	496.1	484.1	482.9	479.4	482.9
25°	681.4	658.7	598.9	546.3	505.7	474.6	462.6	433.9	420.8	422.0	429.1
27.5°	718.4	679.0	604.9	530.8	481.7	437.5	399.3	381.3	367.0	367.0	369.4
30°	753.1	710.1	602.5	517.6	444.7	389.7	340.7	312.0	307.2	302.4	301.2
32.5°	817.6	749.5	626.4	498.5	410.0	328.7	279.7	240.3	243.9	245.1	247.4
35°	882.2	812.9	631.2	474.6	359.8	267.8	216.4	194.8	204.4	206.8	209.2
37.5°	968.3	891.8	663.4	453.1	308.4	205.6	172.1	162.6	172.1	172.1	173.3
40°	1014.9	928.8	689.7	431.5	241.5	151.8	135.1	127.9	139.9	149.4	151.8
42.5°	1080.6	976.6	713.6	388.5	170.9	113.6	104.0	118.3	137.5	147.0	148.2
45°	1114.1	1000.5	705.3	331.1	112.4	92.0	101.6	119.5	138.7	148.2	149.4
47.5°	1159.5	1034.0	688.5	264.2	89.7	90.8	102.8	123.1	142.3	150.6	151.8
50°	1203.8	1068.7	645.5	210.4	86.1	90.8	105.2	124.3	141.1	147.0	145.8
52.5°	1228.9	1101.0	590.5	160.2	86.1	92.0	107.6	126.7	139.9	141.1	141.1
55°	1251.6	1104.5	545.1	124.3	84.9	93.2	110.0	129.1	141.1	141.1	138.7
57.5°	1265.9	1090.2	510.4	107.6	84.9	93.2	110.0	129.1	147.0	150.6	147.0
60°	1259.9	1062.7	486.5	100.4	82.5	92.0	108.8	132.7	180.5	188.9	181.7
62.5°	1245.6	1047.2	435.1	92.0	78.9	88.5	106.4	143.4	193.7	194.8	188.9
65°	1232.4	995.8	373.0	82.5	74.1	84.9	102.8	145.8	163.8	157.8	156.6
67.5°	1172.7	928.8	284.5	72.9	66.9	80.1	99.2	133.9	145.8	138.7	136.3
70°	1087.8	811.7	190.1	62.2	59.8	74.1	99.2	125.5	130.3	118.3	113.6
72.5°	932.4	671.8	104.0	50.2	50.2	68.1	89.7	117.1	120.7	106.4	98.0
75°	759.1	486.5	66.9	38.3	38.3	57.4	81.3	111.2	118.3	102.8	92.0
77.5°	522.4	266.6	46.6	27.5	25.1	44.2	64.6	90.8	105.2	88.5	75.3
80°	176.9	70.5	29.9	17.9	15.5	25.1	43.0	70.5	95.6	90.8	81.3
82.5°	69.3	44.2	20.3	12.0	10.8	12.0	21.5	44.2	76.5	82.5	95.6
85°	20.3	12.0	7.2	6.0	6.0	6.0	6.0	17.9	45.4	59.8	75.3
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	10.8	19.1	25.1
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)