

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: P691026

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691026
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-T2-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3435 lumens
Efficiency: N/A
Efficacy: 148.1 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



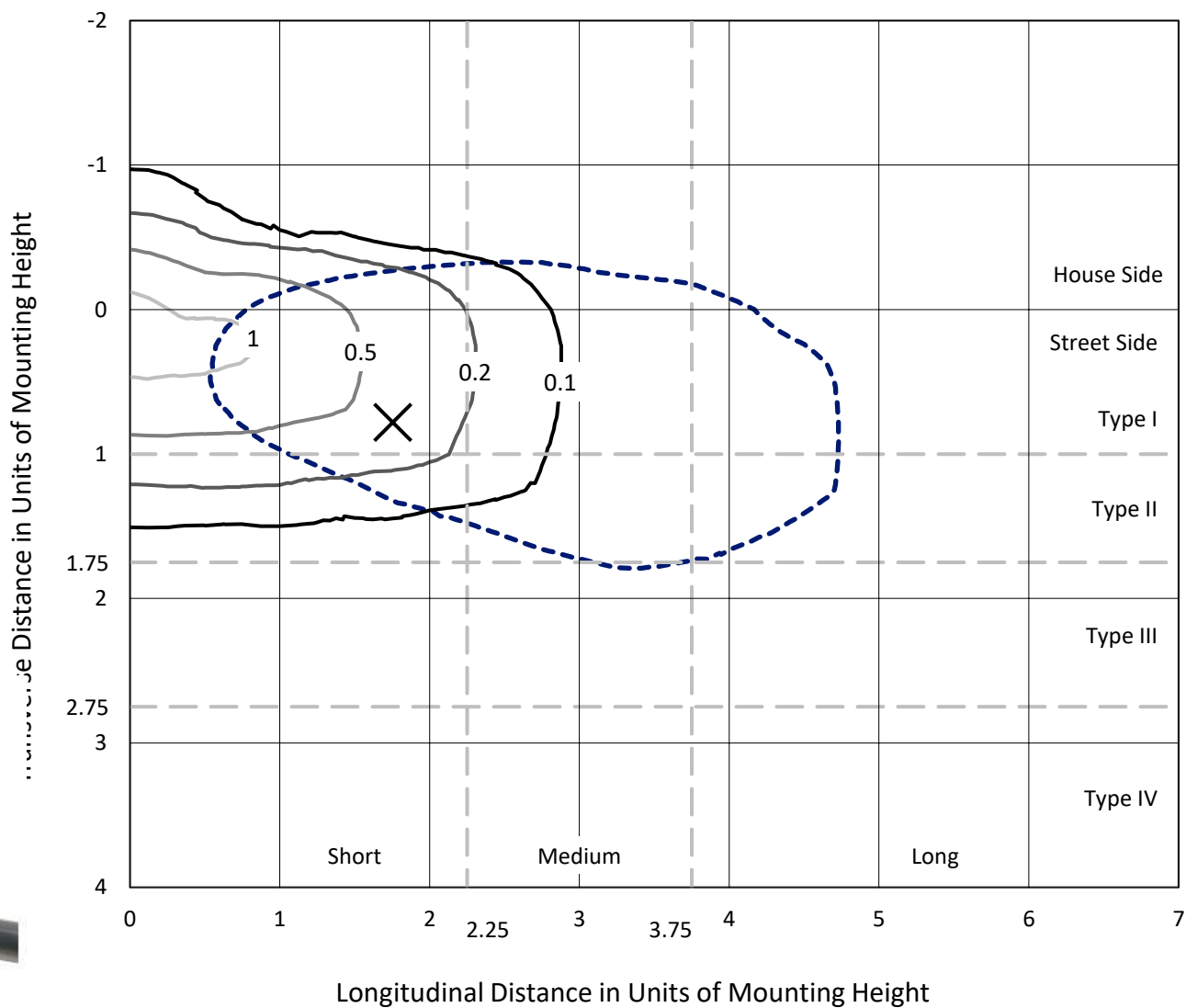
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

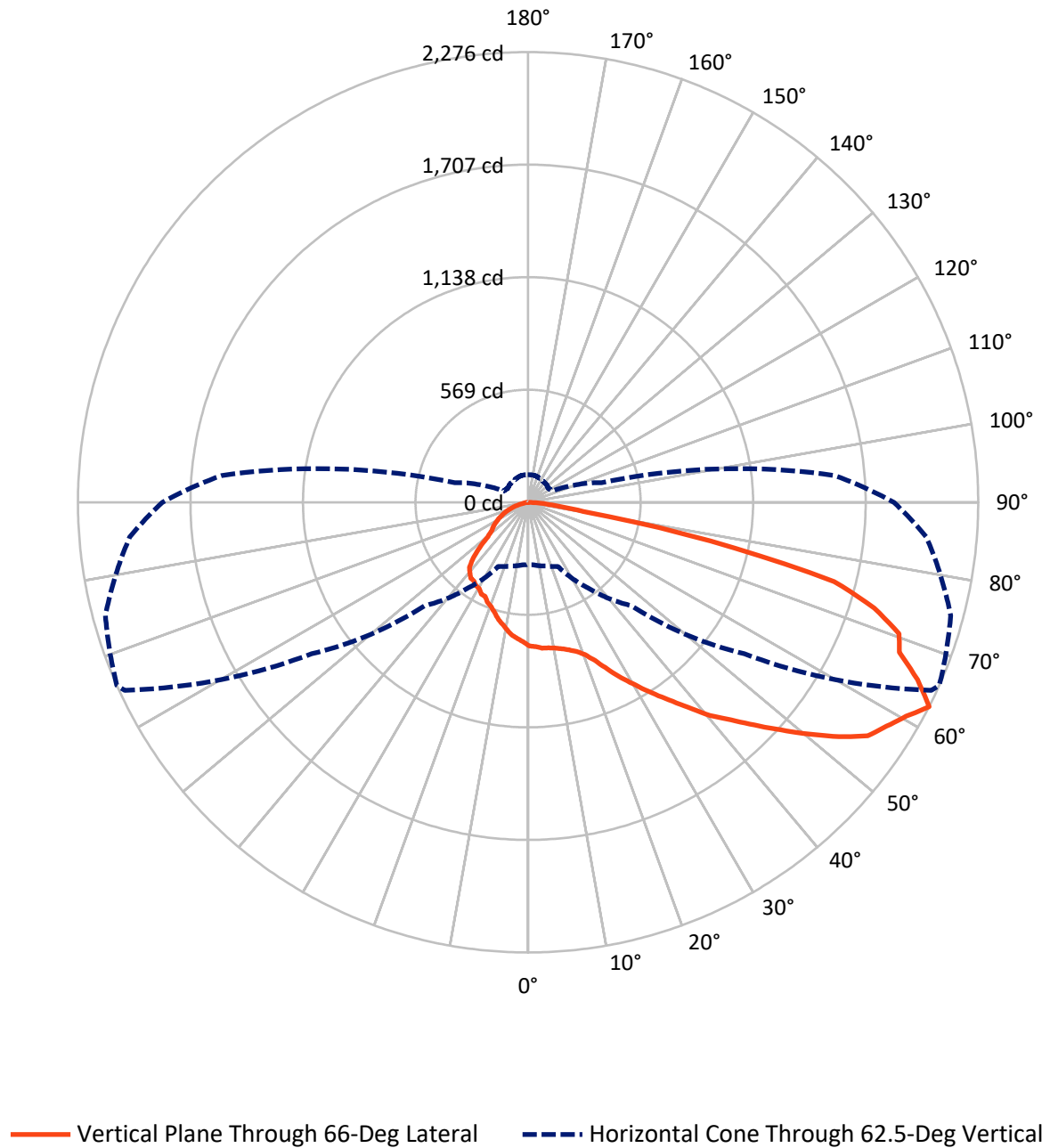


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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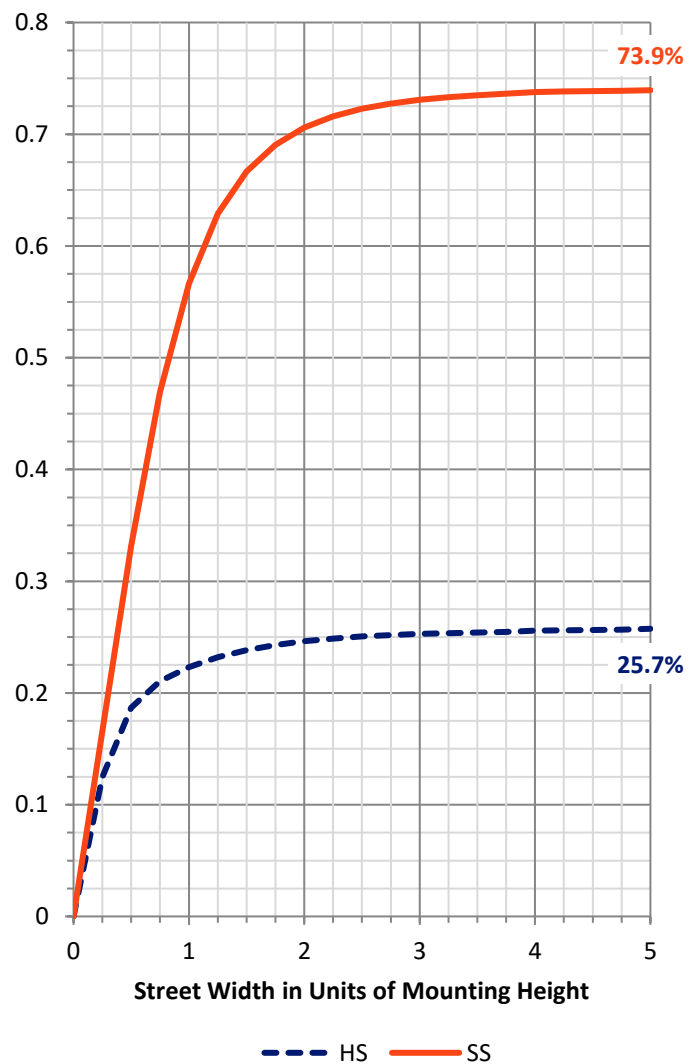
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	897.6	0.0	897.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	2537.4	0.0	2537.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	3435.0	0.0	3435.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	2.0
10°-20°	192.9	5.6
20°-30°	313.2	9.1
30°-40°	451.8	13.2
40°-50°	587.6	17.1
50°-60°	682.5	19.9
60°-70°	675.3	19.7
70°-80°	418.3	12.2
80°-90°	45.4	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°	3435.0	100.0
0°-180°	3435.0	100.0

Coefficient of Utilization



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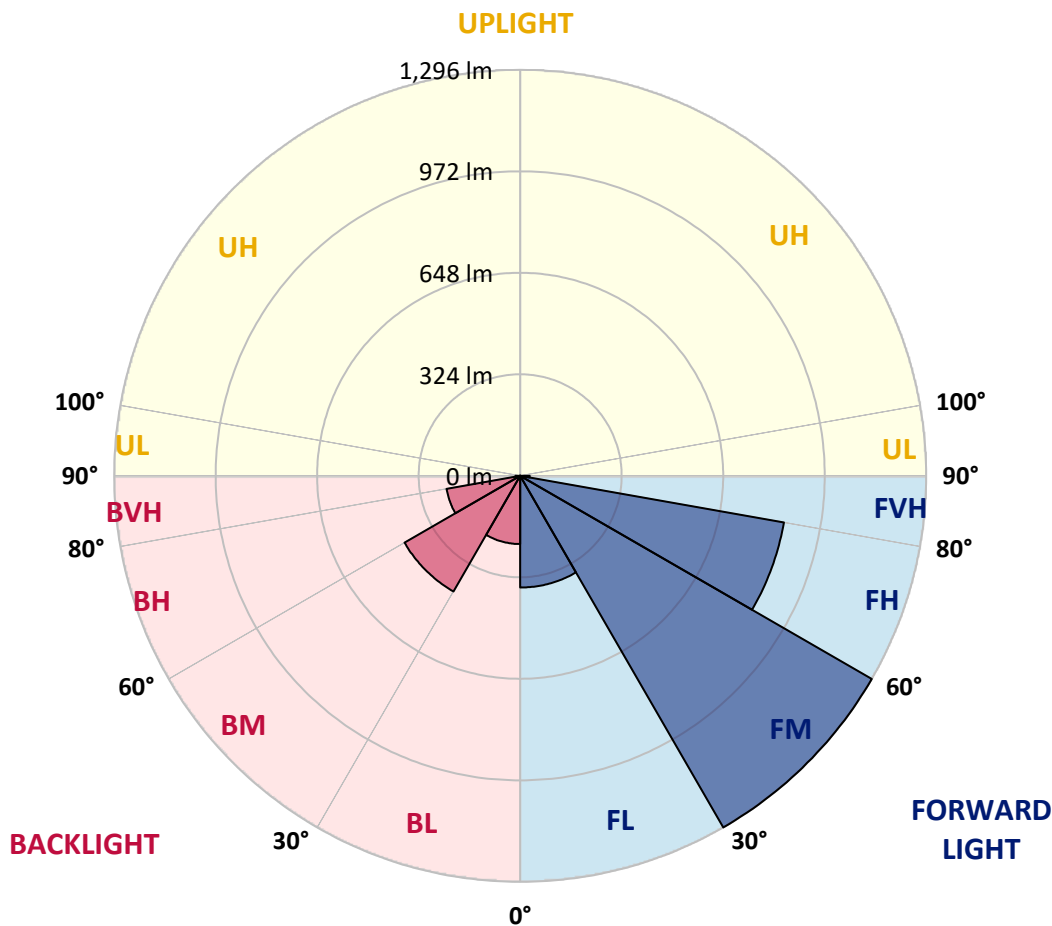
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.4	10.4			
FM	(30°-60°)	1295.7	37.7			
FH	(60°-80°)	854.9	24.9			G1/1800
FVH	(80°-90°)	30.5	0.9			G1/100
BL	(0°-30°)	217.7	6.3	B1/500		
BM	(30°-60°)	426.2	12.4	B1/1000		
BH	(60°-80°)	238.7	6.9	B1/500		G1/500
BVH	(80°-90°)	15.0	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°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6
2.5°	752.6	752.6	754.9	746.7	741.9	738.4	734.9	731.3	730.1	726.6	721.9
5°	785.7	785.7	786.8	778.6	769.1	758.5	747.9	740.8	740.8	732.5	720.7
7.5°	803.4	803.4	803.4	793.9	788.0	780.9	764.4	744.3	743.1	734.9	718.3
10°	803.4	803.4	808.1	793.9	789.2	782.1	772.7	751.4	749.0	730.1	707.7
12.5°	817.6	819.9	817.6	802.2	797.5	791.6	778.6	760.8	759.7	734.9	703.0
15°	837.6	838.8	835.3	824.6	819.9	810.5	795.1	776.2	773.8	744.3	706.5
17.5°	842.4	843.5	845.9	832.9	832.9	829.4	821.1	798.7	792.7	766.8	717.1
20°	840.0	841.2	844.7	842.4	843.5	841.2	847.1	828.2	821.1	792.7	733.7
22.5°	850.6	853.0	860.1	861.3	866.0	870.7	873.1	874.3	869.5	836.5	767.9
25°	854.2	861.3	870.7	883.7	900.3	909.7	922.7	935.7	934.5	901.4	824.6
27.5°	837.6	845.9	875.4	895.5	932.2	958.1	987.7	1005.4	1005.4	978.2	889.6
30°	853.0	856.5	871.9	900.3	942.8	1001.9	1047.9	1070.4	1072.7	1055.0	953.4
32.5°	821.1	829.4	867.2	921.5	986.5	1051.5	1097.6	1146.0	1148.4	1142.5	1046.8
35°	817.6	822.3	843.5	901.4	985.3	1097.6	1159.0	1220.4	1226.3	1233.4	1137.7
37.5°	780.9	790.4	831.7	903.8	1018.4	1128.3	1211.0	1305.5	1314.9	1337.4	1215.7
40°	741.9	749.0	783.3	861.3	1007.8	1167.3	1261.8	1405.9	1417.7	1436.6	1323.2
42.5°	688.8	703.0	762.0	843.5	1003.0	1179.1	1318.5	1498.1	1502.8	1535.9	1408.3
45°	639.2	643.9	688.8	782.1	961.7	1196.8	1361.0	1602.0	1605.6	1626.8	1479.2
47.5°	599.0	604.9	651.0	730.1	923.9	1192.1	1403.6	1702.5	1719.0	1742.6	1565.4
50°	474.9	487.9	609.6	685.2	858.9	1183.8	1437.8	1823.0	1841.9	1864.3	1657.6
52.5°	410.0	415.9	477.3	640.3	795.1	1148.4	1469.7	1945.8	1968.3	1956.5	1774.5
55°	381.6	385.1	413.5	551.7	738.4	1081.0	1493.3	2060.4	2084.1	2027.4	1866.7
57.5°	361.5	366.2	382.8	451.3	674.6	962.9	1495.7	2127.8	2136.0	2086.4	1904.5
60°	334.3	337.9	361.5	394.6	600.2	838.8	1453.2	2157.3	2196.3	2149.0	1989.5
62.5°	314.3	317.8	333.2	358.0	528.1	739.6	1335.0	2249.5	2275.5	2211.7	2021.4
65°	290.6	290.6	306.0	330.8	482.0	679.3	1273.6	2219.9	2163.2	2193.9	2060.4
67.5°	256.4	258.7	274.1	294.2	404.1	621.4	1122.4	2082.9	2023.8	2108.9	1957.6
70°	228.0	225.7	242.2	257.6	330.8	548.2	929.8	1941.1	1989.5	1980.1	1863.1
72.5°	190.2	187.8	202.0	218.6	267.0	454.9	734.9	1801.7	1830.1	1771.0	1652.8
75°	147.7	133.5	153.6	174.9	210.3	360.3	521.0	1492.2	1598.5	1669.4	1409.5
77.5°	23.6	23.6	29.5	41.4	68.5	183.1	232.7	819.9	940.4	1421.3	1235.8
80°	18.9	18.9	21.3	28.4	41.4	100.4	78.0	254.0	283.5	613.2	711.2
82.5°	10.6	10.6	15.4	18.9	26.0	30.7	34.3	124.1	138.2	217.4	275.3
85°	5.9	5.9	8.3	9.5	10.6	10.6	10.6	56.7	63.8	115.8	125.2
87.5°	3.5	3.5	3.5	3.5	3.5	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°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6
2.5°	719.5	716.0	710.0	705.3	701.8	698.2	692.3	688.8	688.8	694.7	695.9
5°	713.6	705.3	694.7	690.0	684.1	678.1	668.7	664.0	662.8	666.3	668.7
7.5°	708.9	697.1	686.4	674.6	656.9	641.5	633.3	627.3	629.7	635.6	633.3
10°	694.7	684.1	667.5	649.8	628.5	615.5	602.5	595.4	596.6	600.2	596.6
12.5°	688.8	674.6	647.4	626.2	607.3	582.5	565.9	555.3	555.3	561.2	561.2
15°	688.8	667.5	630.9	604.9	575.4	550.6	531.6	522.2	528.1	524.6	522.2
17.5°	694.7	661.6	620.3	576.5	541.1	516.3	493.8	480.8	484.4	486.8	484.4
20°	701.8	661.6	607.3	554.1	512.7	477.3	452.5	438.3	437.1	438.3	440.7
22.5°	725.4	677.0	599.0	539.9	477.3	443.0	418.2	393.4	392.2	391.1	393.4
25°	765.6	705.3	604.9	513.9	457.2	406.4	375.7	354.4	347.3	346.2	348.5
27.5°	831.7	754.9	614.3	510.4	420.6	374.5	336.7	313.1	306.0	308.4	307.2
30°	903.8	818.7	641.5	485.6	399.3	327.3	291.8	271.7	264.6	259.9	261.1
32.5°	957.0	882.5	675.8	477.3	358.0	276.5	250.5	238.7	230.4	224.5	223.3
35°	1040.8	936.9	706.5	458.4	321.4	243.4	222.1	209.1	204.4	200.8	200.8
37.5°	1121.2	1003.0	737.2	452.5	274.1	220.9	194.9	186.7	184.3	181.9	181.9
40°	1201.5	1070.4	754.9	428.9	236.3	193.8	168.9	167.8	171.3	168.9	170.1
42.5°	1300.8	1140.1	772.7	406.4	209.1	165.4	151.2	160.7	167.8	168.9	168.9
45°	1369.3	1187.3	779.8	352.1	180.8	144.1	147.7	158.3	166.6	170.1	168.9
47.5°	1431.9	1251.1	769.1	285.9	157.1	140.6	146.5	153.6	165.4	170.1	170.1
50°	1493.3	1304.3	759.7	211.5	148.9	141.8	146.5	150.0	163.0	167.8	167.8
52.5°	1579.6	1346.8	727.8	177.2	141.8	143.0	150.0	148.9	159.5	166.6	168.9
55°	1698.9	1446.1	666.3	167.8	140.6	141.8	150.0	150.0	157.1	163.0	166.6
57.5°	1752.1	1488.6	562.4	158.3	137.0	140.6	146.5	147.7	156.0	159.5	158.3
60°	1812.3	1541.8	460.8	147.7	131.1	138.2	140.6	145.3	151.2	151.2	150.0
62.5°	1849.0	1554.8	384.0	135.9	124.1	130.0	130.0	134.7	139.4	139.4	139.4
65°	1866.7	1541.8	287.1	125.2	115.8	120.5	119.3	121.7	125.2	119.3	119.3
67.5°	1797.0	1493.3	198.5	111.1	106.3	111.1	109.9	111.1	109.9	105.1	106.3
70°	1677.6	1357.5	137.0	94.5	93.3	101.6	102.8	100.4	93.3	89.8	89.8
72.5°	1527.6	1089.3	94.5	75.6	79.2	89.8	92.2	87.4	80.3	76.8	76.8
75°	1385.8	941.6	67.3	52.0	53.2	68.5	73.2	73.2	70.9	94.5	100.4
77.5°	964.1	609.6	39.0	27.2	26.0	39.0	44.9	46.1	88.6	95.7	93.3
80°	571.8	287.1	28.4	16.5	16.5	22.4	30.7	60.3	101.6	68.5	61.4
82.5°	218.6	109.9	17.7	10.6	9.5	11.8	17.7	93.3	59.1	39.0	35.4
85°	79.2	27.2	8.3	5.9	5.9	7.1	10.6	79.2	41.4	29.5	28.4
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)