

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: P691041

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691041
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-T2-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K 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: 2754 lumens
Efficiency: N/A
Efficacy: 118.7 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

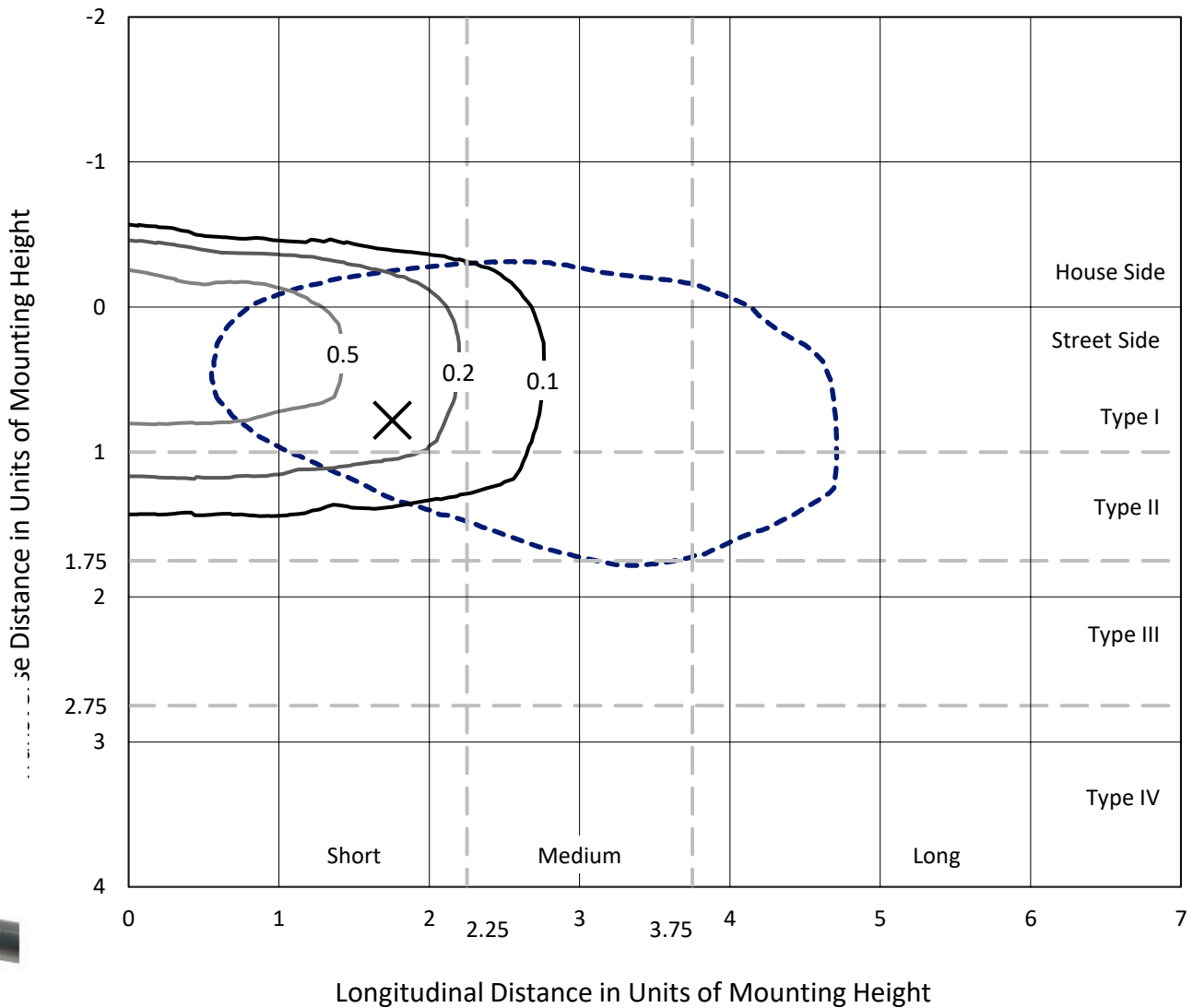


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

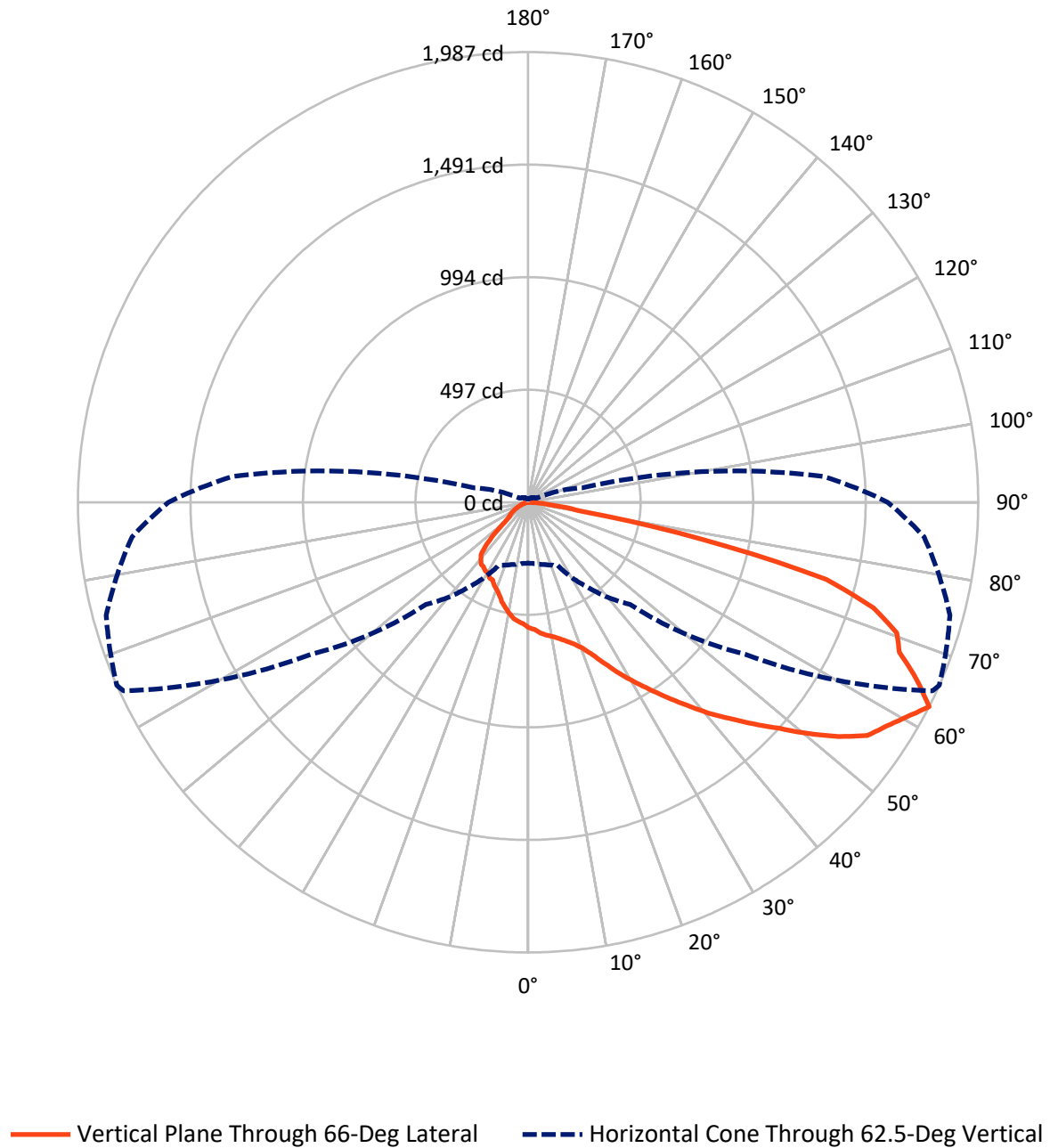


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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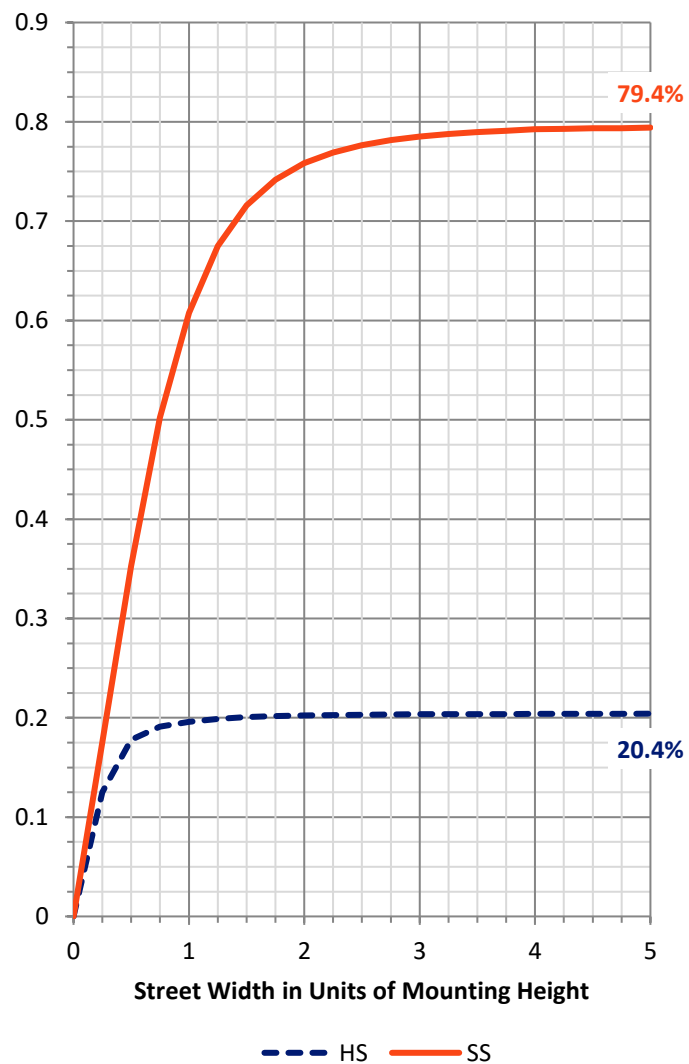
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	568.9	0.0	568.9
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2185.1	0.0	2185.1
	% Fixture	79.3	0.0	79.3
Total	Lumens	2754.0	0.0	2754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.9
10°-20°	149.1	5.4
20°-30°	244.6	8.9
30°-40°	359.9	13.1
40°-50°	474.6	17.2
50°-60°	552.5	20.1
60°-70°	549.0	19.9
70°-80°	339.6	12.3
80°-90°	32.5	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°	2754.0	100.0
0°-180°	2754.0	100.0

Coefficient of Utilization



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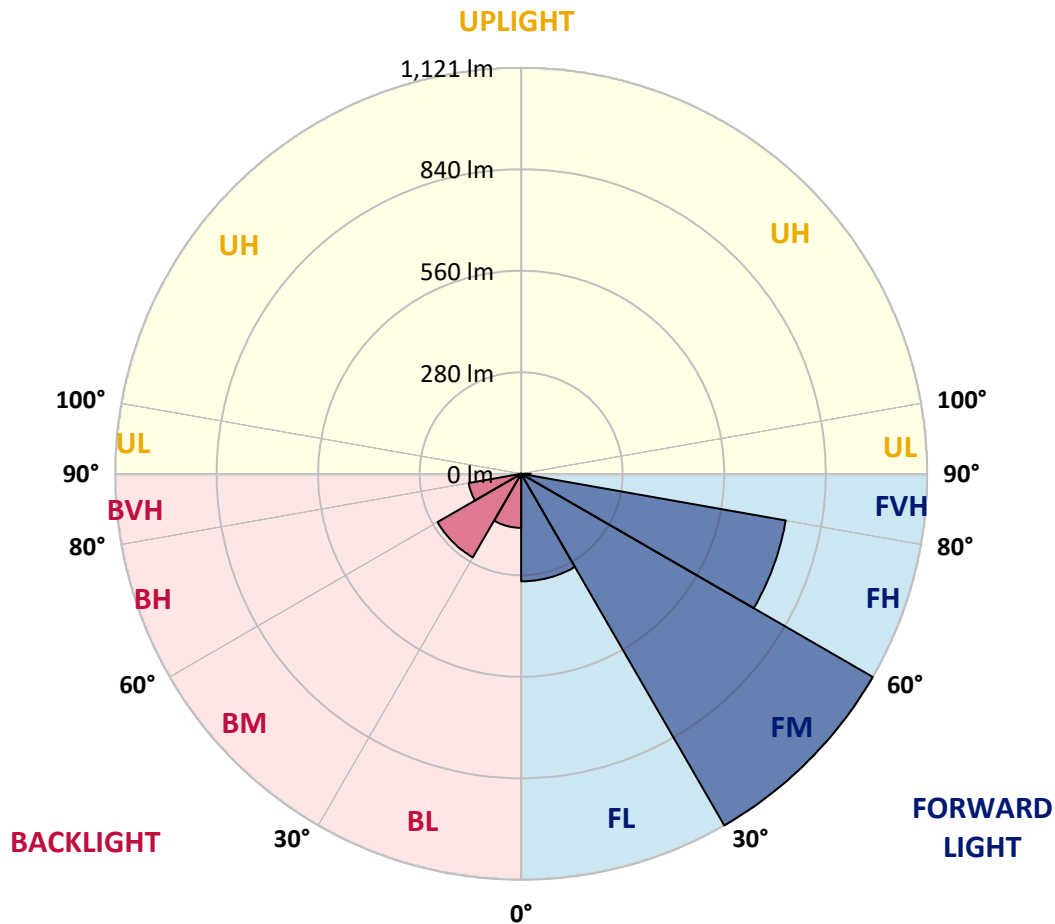
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.7	10.8			
FM	(30°-60°)	1120.6	40.7			
FH	(60°-80°)	741.5	26.9			G1/1800
FVH	(80°-90°)	26.2	1.0			G1/100
BL	(0°-30°)	149.2	5.4	B1/500		
BM	(30°-60°)	266.4	9.7	B1/1000		
BH	(60°-80°)	147.1	5.3	B1/500		G1/500
BVH	(80°-90°)	6.2	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°	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2
2.5°	585.3	585.3	584.3	577.0	573.9	569.8	566.7	563.5	562.5	559.4	554.2
5°	619.6	618.5	618.5	612.3	606.1	597.8	589.5	581.2	580.1	571.8	560.4
7.5°	639.3	639.3	637.2	633.1	628.9	623.7	611.3	593.6	592.6	581.2	565.6
10°	644.5	645.5	649.7	639.3	636.2	631.0	624.8	606.1	603.0	586.4	561.5
12.5°	663.2	663.2	662.1	652.8	649.7	645.5	635.2	620.6	617.5	596.8	562.5
15°	686.0	687.0	683.9	675.6	671.5	666.3	652.8	637.2	636.2	609.2	570.8
17.5°	697.4	697.4	699.5	688.1	689.1	687.0	680.8	659.0	658.0	633.1	585.3
20°	701.6	702.6	703.6	703.6	704.7	702.6	708.8	690.2	687.0	659.0	605.1
22.5°	720.3	722.3	727.5	724.4	729.6	732.7	734.8	735.8	731.7	702.6	638.3
25°	728.6	733.7	741.0	752.4	760.7	767.0	782.5	789.8	788.8	763.8	693.3
27.5°	716.1	722.3	747.2	767.0	796.0	812.6	841.7	851.0	854.1	831.3	752.4
30°	732.7	734.8	746.2	771.1	807.4	857.2	896.7	917.4	917.4	899.8	810.5
32.5°	706.8	713.0	746.2	791.9	847.9	901.9	939.2	983.9	983.9	975.6	893.6
35°	703.6	706.8	726.5	777.3	848.9	947.5	997.4	1050.3	1057.5	1058.6	975.6
37.5°	674.6	680.8	716.1	781.5	880.1	975.6	1045.1	1127.1	1135.4	1146.8	1044.1
40°	642.4	644.5	675.6	744.1	872.8	1011.9	1090.8	1213.2	1222.6	1238.1	1135.4
42.5°	594.7	603.0	654.9	729.6	869.7	1023.3	1141.6	1294.2	1304.6	1326.3	1211.1
45°	552.1	555.2	593.6	676.7	835.5	1039.9	1181.0	1389.7	1395.9	1409.4	1274.5
47.5°	517.9	520.0	558.4	630.0	803.3	1035.8	1219.4	1475.8	1490.3	1511.1	1349.2
50°	415.1	426.5	522.0	591.6	747.2	1028.5	1249.5	1583.7	1605.5	1613.8	1435.3
52.5°	353.9	356.0	405.8	553.2	689.1	997.4	1278.6	1693.7	1718.6	1695.8	1539.1
55°	328.0	330.0	352.9	476.4	640.3	937.2	1300.4	1799.6	1817.2	1761.2	1616.9
57.5°	311.3	315.5	325.9	387.1	582.2	836.5	1304.6	1857.7	1865.0	1813.1	1656.4
60°	288.5	288.5	309.3	338.3	518.9	728.6	1270.3	1886.8	1922.1	1872.2	1729.0
62.5°	268.8	270.9	284.4	306.2	456.6	637.2	1169.6	1969.8	1987.4	1928.3	1755.0
65°	246.0	248.0	260.5	282.3	415.1	586.4	1115.7	1936.6	1884.7	1913.8	1787.1
67.5°	220.0	221.1	233.5	253.2	348.7	540.7	985.9	1810.0	1767.4	1845.3	1697.9
70°	194.1	194.1	204.5	220.0	284.4	474.3	814.7	1694.8	1726.9	1731.1	1609.7
72.5°	161.9	162.9	173.3	186.8	228.3	396.5	644.5	1579.6	1594.1	1539.1	1415.6
75°	116.2	120.4	131.8	145.3	180.6	314.5	457.7	1283.8	1359.6	1457.1	1216.3
77.5°	17.6	17.6	21.8	33.2	59.2	157.8	211.7	708.8	786.7	1219.4	1062.7
80°	14.5	14.5	15.6	21.8	34.2	88.2	68.5	222.1	238.7	560.4	598.8
82.5°	7.3	7.3	11.4	15.6	20.8	25.9	29.1	106.9	123.5	191.0	238.7
85°	4.2	4.2	5.2	7.3	8.3	8.3	9.3	50.9	52.9	103.8	107.9
87.5°	1.0	1.0	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
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°	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2
2.5°	552.1	549.0	542.8	537.6	534.5	528.3	523.1	518.9	516.8	522.0	523.1
5°	553.2	545.9	534.5	527.2	518.9	508.5	496.1	488.8	485.7	486.7	489.9
7.5°	555.2	544.9	531.4	515.8	494.0	473.3	458.7	450.4	446.3	451.5	451.5
10°	549.0	537.6	518.9	495.0	467.0	446.3	429.7	415.1	409.9	412.0	413.1
12.5°	549.0	533.4	502.3	473.3	447.3	413.1	388.1	374.7	369.5	370.5	372.6
15°	552.1	531.4	487.8	452.5	414.1	377.8	356.0	339.4	334.2	329.0	331.1
17.5°	562.5	528.3	480.5	424.5	381.9	347.7	317.6	298.9	294.7	294.7	295.8
20°	572.9	532.4	468.1	403.7	352.9	310.3	279.2	265.7	256.3	252.2	256.3
22.5°	594.7	546.9	459.8	390.2	322.8	282.3	253.2	223.1	206.5	199.3	201.3
25°	634.1	572.9	466.0	366.4	306.2	256.3	215.9	179.5	156.7	149.4	151.5
27.5°	695.3	615.4	473.3	364.3	276.1	230.4	175.4	136.0	118.3	111.0	113.1
30°	755.5	673.6	497.1	343.5	264.6	188.9	132.8	104.8	87.2	79.9	82.0
32.5°	807.4	729.6	527.2	338.3	234.5	142.2	99.6	77.8	64.3	58.1	59.2
35°	884.2	777.3	553.2	322.8	199.3	106.9	72.6	56.0	48.8	46.7	46.7
37.5°	952.7	833.4	578.1	317.6	149.4	79.9	51.9	45.7	44.6	41.5	41.5
40°	1024.3	892.5	589.5	298.9	109.0	56.0	42.6	42.6	41.5	38.4	38.4
42.5°	1108.4	952.7	599.9	277.1	77.8	42.6	39.4	40.5	39.4	36.3	35.3
45°	1168.6	990.1	603.0	222.1	54.0	40.5	37.4	38.4	37.4	35.3	34.2
47.5°	1223.6	1044.1	589.5	155.7	43.6	38.4	36.3	36.3	36.3	33.2	32.2
50°	1280.7	1088.7	578.1	84.1	42.6	37.4	34.2	33.2	34.2	32.2	31.1
52.5°	1356.4	1122.9	548.0	57.1	41.5	36.3	33.2	31.1	32.2	30.1	31.1
55°	1457.1	1213.2	493.0	54.0	41.5	35.3	32.2	29.1	29.1	28.0	28.0
57.5°	1502.8	1247.5	404.8	51.9	40.5	35.3	30.1	27.0	24.9	23.9	22.8
60°	1558.8	1297.3	312.4	47.7	37.4	33.2	27.0	23.9	20.8	19.7	19.7
62.5°	1587.9	1308.7	247.0	42.6	34.2	29.1	23.9	19.7	16.6	14.5	14.5
65°	1604.5	1302.5	172.3	38.4	30.1	25.9	20.8	16.6	12.5	11.4	10.4
67.5°	1548.4	1265.1	100.7	33.2	25.9	22.8	17.6	13.5	10.4	9.3	8.3
70°	1436.4	1151.0	63.3	29.1	22.8	19.7	15.6	11.4	8.3	7.3	7.3
72.5°	1316.0	927.8	43.6	22.8	17.6	15.6	11.4	9.3	7.3	5.2	5.2
75°	1184.2	805.4	32.2	16.6	12.5	11.4	9.3	7.3	6.2	4.2	4.2
77.5°	839.6	533.4	25.9	12.5	8.3	7.3	6.2	5.2	4.2	4.2	3.1
80°	496.1	260.5	19.7	8.3	6.2	5.2	4.2	4.2	3.1	3.1	3.1
82.5°	185.8	99.6	13.5	6.2	4.2	4.2	3.1	3.1	2.1	2.1	2.1
85°	67.5	24.9	6.2	3.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)