

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: P691025

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691025
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-T2-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 3136 lumens
Efficiency: N/A
Efficacy: 135.2 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

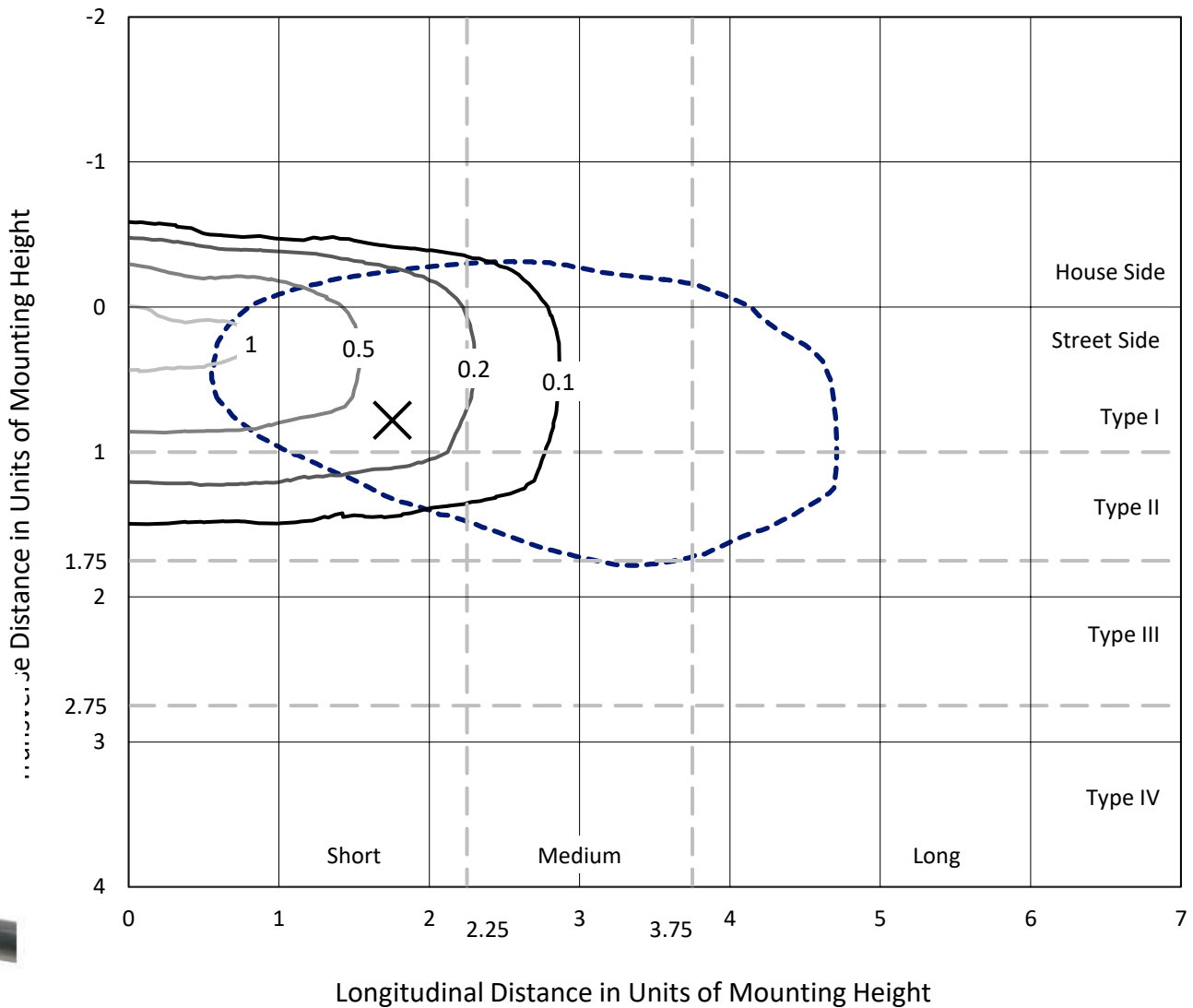


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

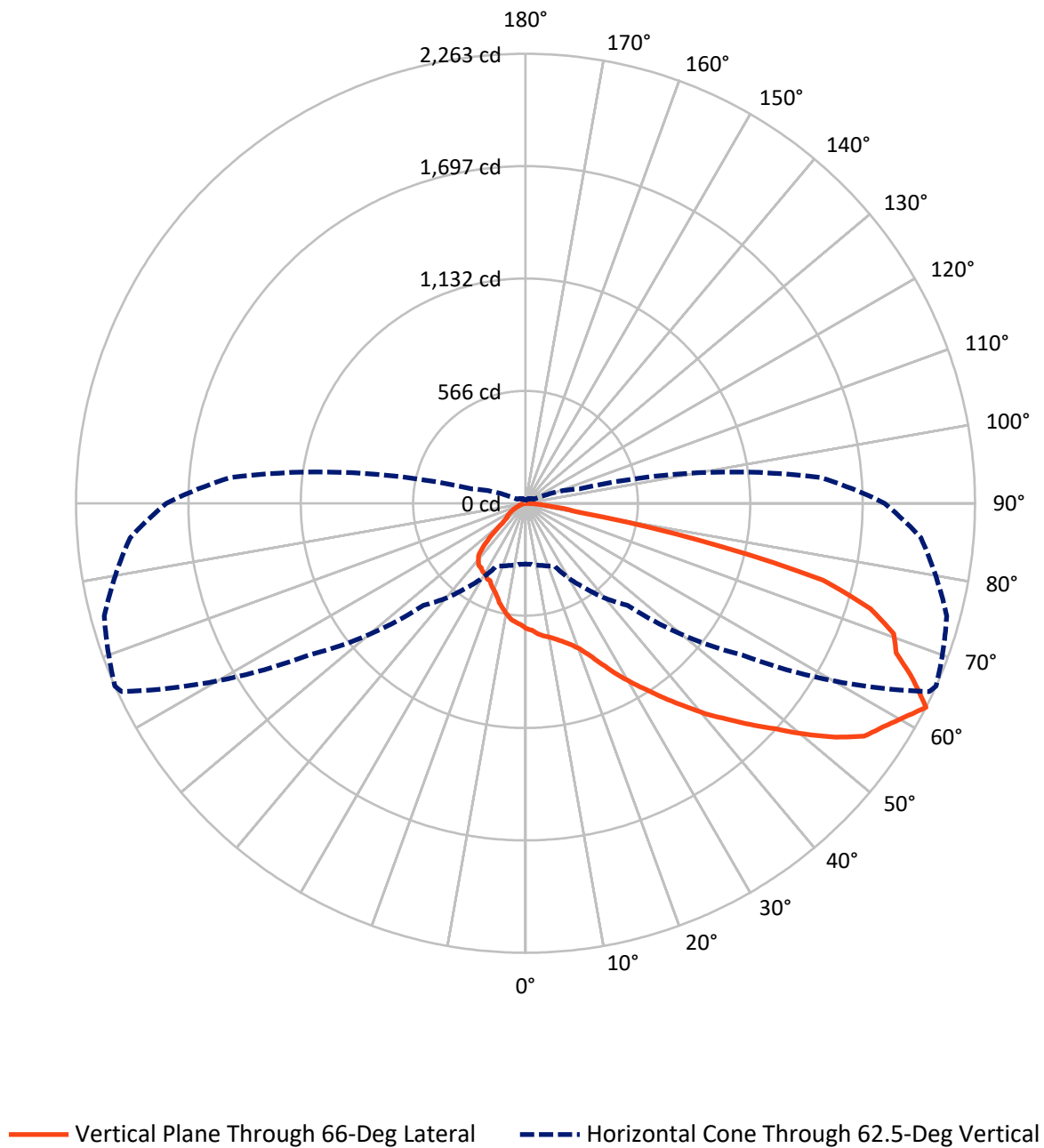


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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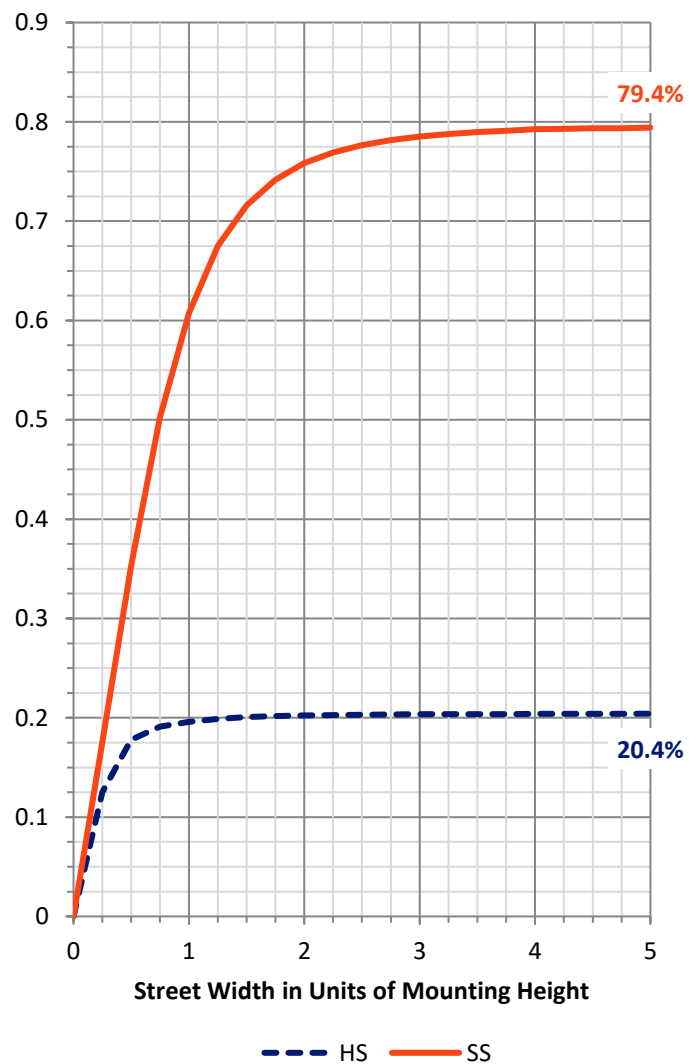
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	647.8	0.0	647.8
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2488.2	0.0	2488.2
	% Fixture	79.3	0.0	79.3
Total	Lumens	3136.0	0.0	3136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.9
10°-20°	169.7	5.4
20°-30°	278.5	8.9
30°-40°	409.8	13.1
40°-50°	540.4	17.2
50°-60°	629.1	20.1
60°-70°	625.1	19.9
70°-80°	386.7	12.3
80°-90°	37.0	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°	3136.0	100.0
0°-180°	3136.0	100.0

Coefficient of Utilization



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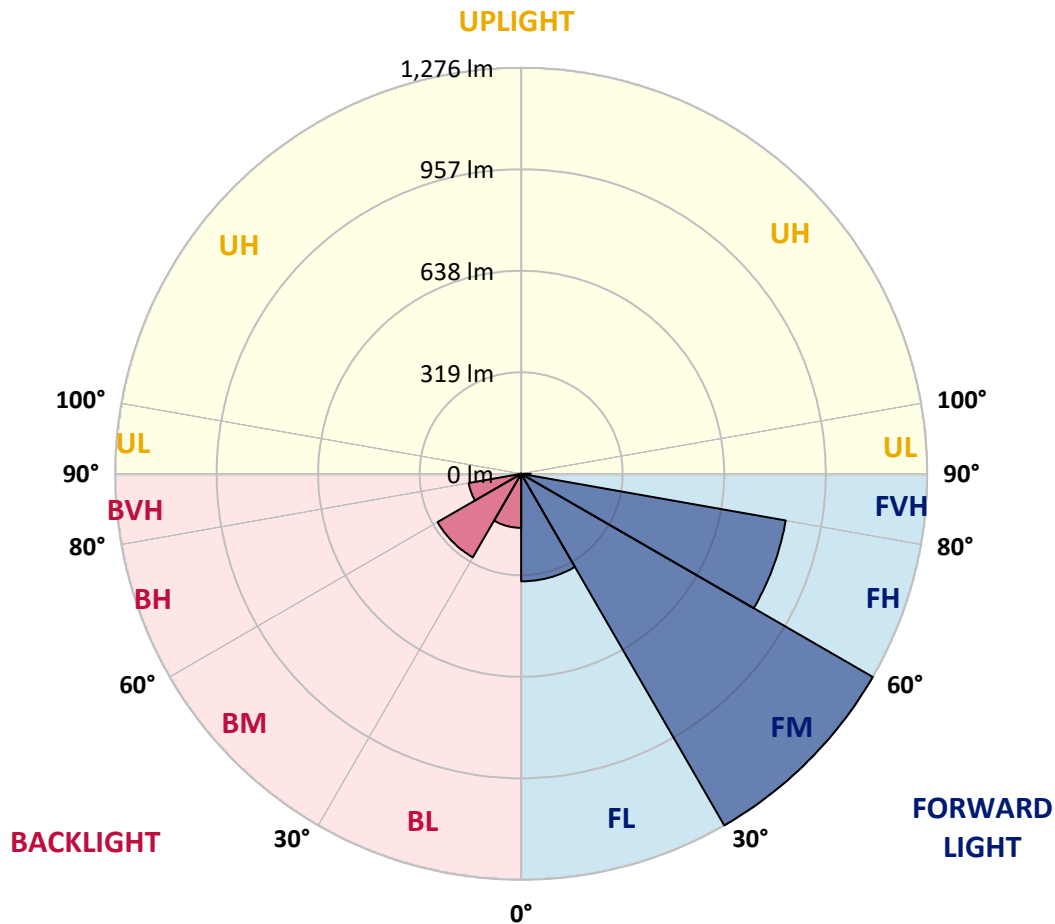
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.9	10.8			
FM	(30°-60°)	1276.0	40.7			
FH	(60°-80°)	844.4	26.9			G1/1800
FVH	(80°-90°)	29.9	1.0			G1/100
BL	(0°-30°)	169.9	5.4	B1/500		
BM	(30°-60°)	303.3	9.7	B1/1000		
BH	(60°-80°)	167.5	5.3	B1/500		G1/500
BVH	(80°-90°)	7.1	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°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	666.5	666.5	665.3	657.1	653.5	648.8	645.3	641.7	640.5	637.0	631.1
5°	705.5	704.3	704.3	697.3	690.2	680.7	671.3	661.8	660.6	651.2	638.2
7.5°	728.0	728.0	725.6	720.9	716.2	710.3	696.1	676.0	674.8	661.8	644.1
10°	733.9	735.1	739.8	728.0	724.4	718.5	711.4	690.2	686.6	667.7	639.3
12.5°	755.2	755.2	754.0	743.3	739.8	735.1	723.3	706.7	703.2	679.5	640.5
15°	781.2	782.3	778.8	769.3	764.6	758.7	743.3	725.6	724.4	693.7	650.0
17.5°	794.2	794.2	796.5	783.5	784.7	782.3	775.3	750.4	749.3	720.9	666.5
20°	798.9	800.1	801.2	801.2	802.4	800.1	807.2	785.9	782.3	750.4	689.0
22.5°	820.2	822.5	828.4	824.9	830.8	834.3	836.7	837.9	833.2	800.1	726.8
25°	829.6	835.5	843.8	856.8	866.2	873.3	891.1	899.3	898.2	869.8	789.4
27.5°	815.4	822.5	850.9	873.3	906.4	925.3	958.4	969.1	972.6	946.6	856.8
30°	834.3	836.7	849.7	878.1	919.4	976.2	1021.1	1044.7	1044.7	1024.6	923.0
32.5°	804.8	811.9	849.7	901.7	965.5	1027.0	1069.5	1120.3	1120.3	1110.9	1017.5
35°	801.2	804.8	827.2	885.2	966.7	1079.0	1135.7	1196.0	1204.2	1205.4	1110.9
37.5°	768.2	775.3	815.4	889.9	1002.2	1110.9	1190.1	1283.4	1292.9	1305.9	1188.9
40°	731.5	733.9	769.3	847.3	993.9	1152.2	1242.1	1381.5	1392.1	1409.9	1292.9
42.5°	677.2	686.6	745.7	830.8	990.3	1165.2	1300.0	1473.7	1485.5	1510.3	1379.1
45°	628.7	632.3	676.0	770.5	951.3	1184.1	1344.9	1582.4	1589.5	1604.9	1451.2
47.5°	589.7	592.1	635.8	717.3	914.7	1179.4	1388.6	1680.5	1697.0	1720.7	1536.3
50°	472.7	485.7	594.4	673.6	850.9	1171.1	1422.9	1803.4	1828.2	1837.7	1634.4
52.5°	403.0	405.4	462.1	629.9	784.7	1135.7	1456.0	1928.7	1957.0	1931.0	1752.6
55°	373.4	375.8	401.8	542.4	729.2	1067.2	1480.8	2049.2	2069.3	2005.5	1841.2
57.5°	354.5	359.3	371.1	440.8	663.0	952.5	1485.5	2115.4	2123.7	2064.6	1886.1
60°	328.5	328.5	352.2	385.3	590.9	829.6	1446.5	2148.5	2188.7	2131.9	1968.9
62.5°	306.1	308.4	323.8	348.6	520.0	725.6	1331.9	2243.0	2263.1	2195.8	1998.4
65°	280.1	282.4	296.6	321.4	472.7	667.7	1270.4	2205.2	2146.1	2179.2	2035.0
67.5°	250.5	251.7	265.9	288.4	397.1	615.7	1122.7	2061.0	2012.6	2101.2	1933.4
70°	221.0	221.0	232.8	250.5	323.8	540.1	927.7	1929.9	1966.5	1971.2	1832.9
72.5°	184.4	185.5	197.4	212.7	260.0	451.4	733.9	1798.7	1815.2	1752.6	1612.0
75°	132.4	137.1	150.1	165.4	205.6	358.1	521.2	1461.9	1548.1	1659.2	1385.1
77.5°	20.1	20.1	24.8	37.8	67.4	179.6	241.1	807.2	895.8	1388.6	1210.1
80°	16.5	16.5	17.7	24.8	39.0	100.5	78.0	252.9	271.8	638.2	681.9
82.5°	8.3	8.3	13.0	17.7	23.6	29.5	33.1	121.7	140.6	217.4	271.8
85°	4.7	4.7	5.9	8.3	9.5	9.5	10.6	57.9	60.3	118.2	122.9
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°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	628.7	625.2	618.1	612.2	608.6	601.5	595.6	590.9	588.5	594.4	595.6
5°	629.9	621.6	608.6	600.3	590.9	579.1	564.9	556.6	553.1	554.3	557.8
7.5°	632.3	620.4	605.1	587.3	562.5	538.9	522.3	512.9	508.2	514.1	514.1
10°	625.2	612.2	590.9	563.7	531.8	508.2	489.3	472.7	466.8	469.2	470.3
12.5°	625.2	607.4	572.0	538.9	509.3	470.3	442.0	426.6	420.7	421.9	424.3
15°	628.7	605.1	555.4	515.3	471.5	430.2	405.4	386.4	380.5	374.6	377.0
17.5°	640.5	601.5	547.2	483.3	434.9	395.9	361.6	340.4	335.6	335.6	336.8
20°	652.3	606.3	533.0	459.7	401.8	353.4	317.9	302.5	291.9	287.2	291.9
22.5°	677.2	622.8	523.5	444.4	367.5	321.4	288.4	254.1	235.2	226.9	229.3
25°	722.1	652.3	530.6	417.2	348.6	291.9	245.8	204.4	178.4	170.2	172.5
27.5°	791.8	700.8	538.9	414.8	314.4	262.4	199.7	154.8	134.7	126.5	128.8
30°	860.3	767.0	566.1	391.2	301.4	215.1	151.3	119.4	99.3	91.0	93.4
32.5°	919.4	830.8	600.3	385.3	267.1	161.9	113.5	88.6	73.3	66.2	67.4
35°	1006.9	885.2	629.9	367.5	226.9	121.7	82.7	63.8	55.5	53.2	53.2
37.5°	1084.9	949.0	658.3	361.6	170.2	91.0	59.1	52.0	50.8	47.3	47.3
40°	1166.4	1016.3	671.3	340.4	124.1	63.8	48.5	48.5	47.3	43.7	43.7
42.5°	1262.1	1084.9	683.1	315.5	88.6	48.5	44.9	46.1	44.9	41.4	40.2
45°	1330.7	1127.4	686.6	252.9	61.5	46.1	42.5	43.7	42.5	40.2	39.0
47.5°	1393.3	1188.9	671.3	177.3	49.6	43.7	41.4	41.4	41.4	37.8	36.6
50°	1458.3	1239.7	658.3	95.7	48.5	42.5	39.0	37.8	39.0	36.6	35.5
52.5°	1544.6	1278.7	624.0	65.0	47.3	41.4	37.8	35.5	36.6	34.3	35.5
55°	1659.2	1381.5	561.3	61.5	47.3	40.2	36.6	33.1	33.1	31.9	31.9
57.5°	1711.2	1420.5	460.9	59.1	46.1	40.2	34.3	30.7	28.4	27.2	26.0
60°	1775.0	1477.2	355.7	54.4	42.5	37.8	30.7	27.2	23.6	22.5	22.5
62.5°	1808.1	1490.2	281.3	48.5	39.0	33.1	27.2	22.5	18.9	16.5	16.5
65°	1827.0	1483.1	196.2	43.7	34.3	29.5	23.6	18.9	14.2	13.0	11.8
67.5°	1763.2	1440.6	114.6	37.8	29.5	26.0	20.1	15.4	11.8	10.6	9.5
70°	1635.6	1310.6	72.1	33.1	26.0	22.5	17.7	13.0	9.5	8.3	8.3
72.5°	1498.5	1056.5	49.6	26.0	20.1	17.7	13.0	10.6	8.3	5.9	5.9
75°	1348.4	917.1	36.6	18.9	14.2	13.0	10.6	8.3	7.1	4.7	4.7
77.5°	956.1	607.4	29.5	14.2	9.5	8.3	7.1	5.9	4.7	4.7	3.5
80°	564.9	296.6	22.5	9.5	7.1	5.9	4.7	4.7	3.5	3.5	3.5
82.5°	211.5	113.5	15.4	7.1	4.7	4.7	3.5	3.5	2.4	2.4	2.4
85°	76.8	28.4	7.1	3.5	3.5	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)