

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: P691109

Luminaire Tested: **CRTK2-C013-D-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691109
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-D-U-T2-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 2578 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 20.4
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

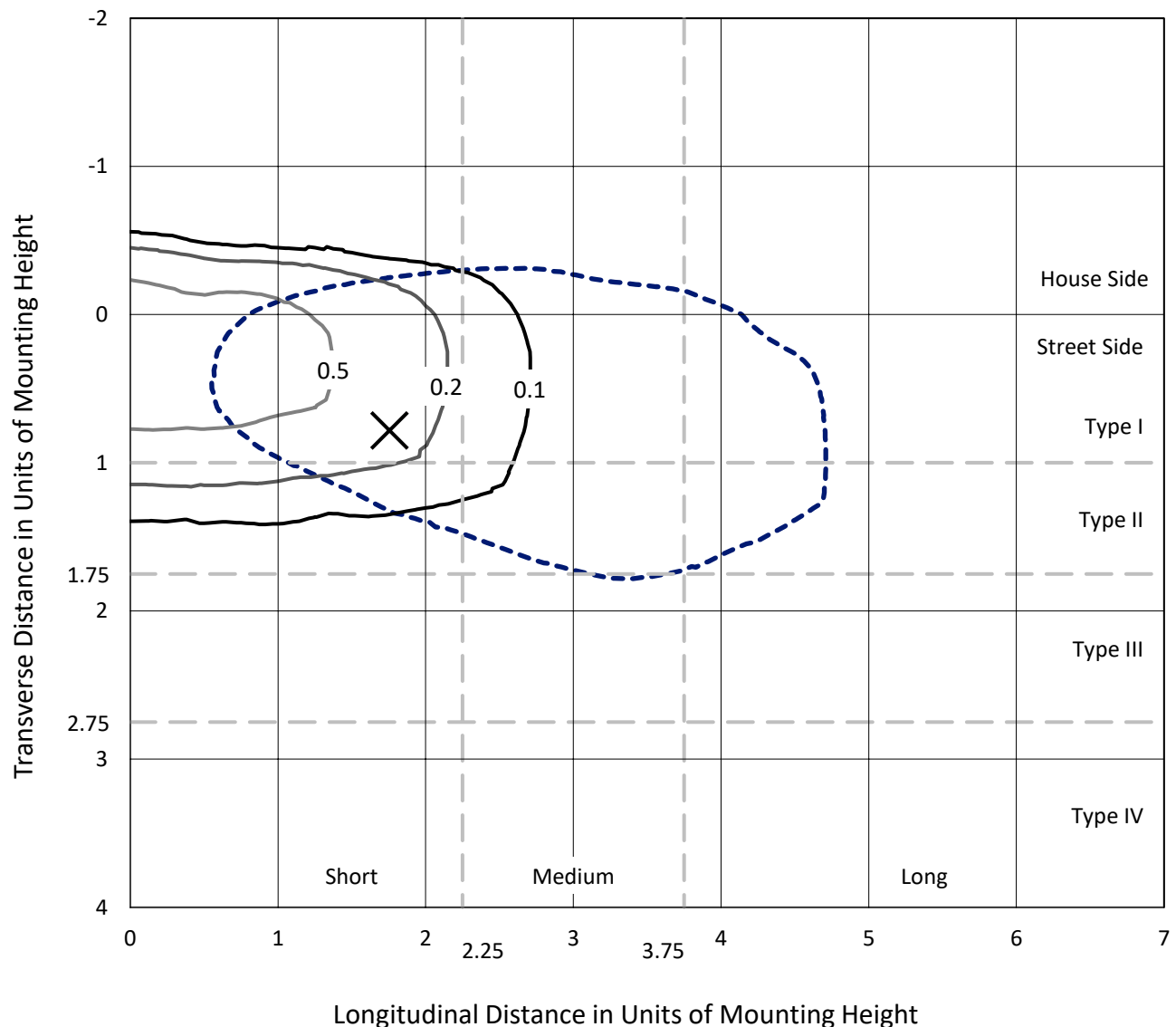


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

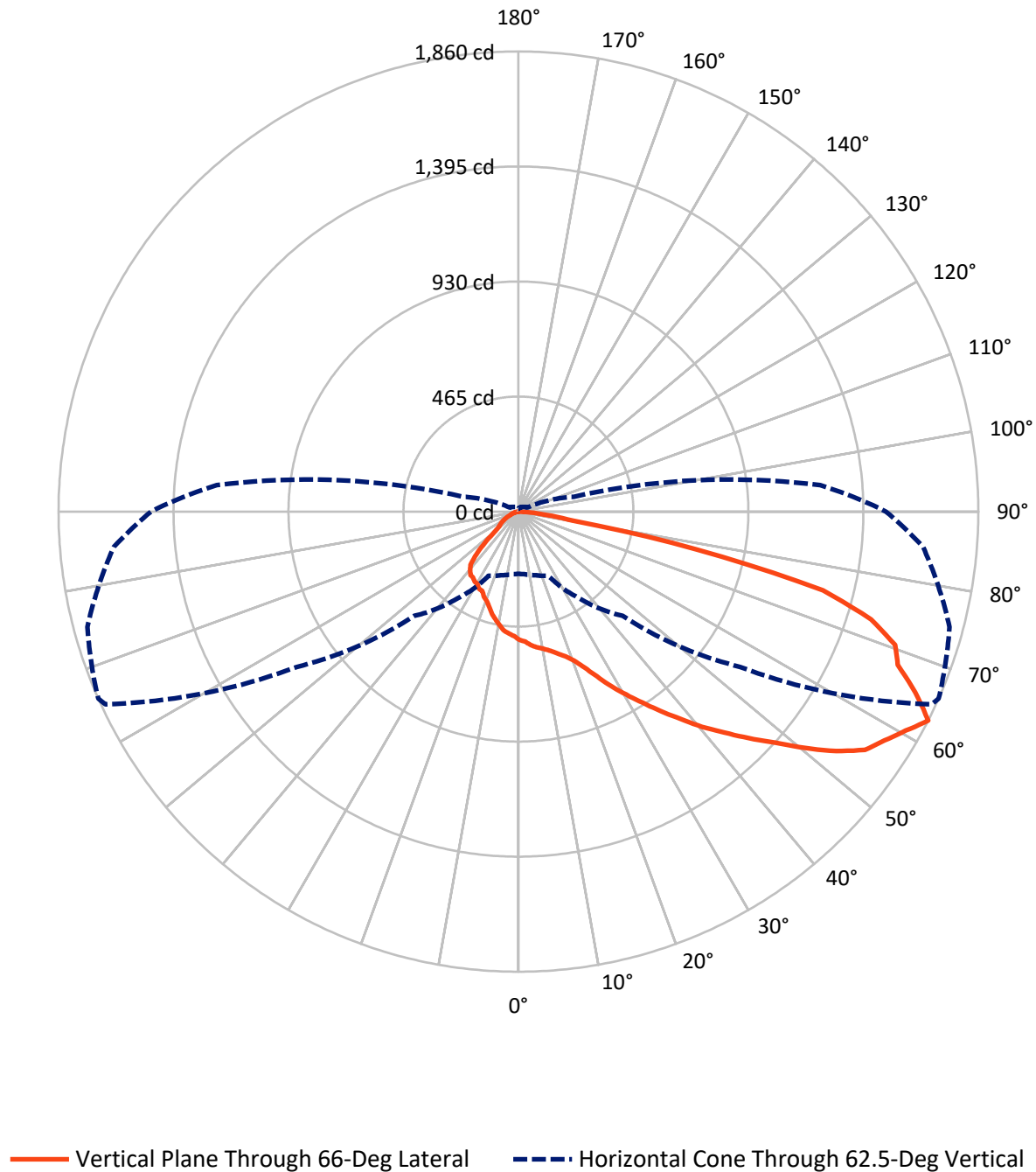


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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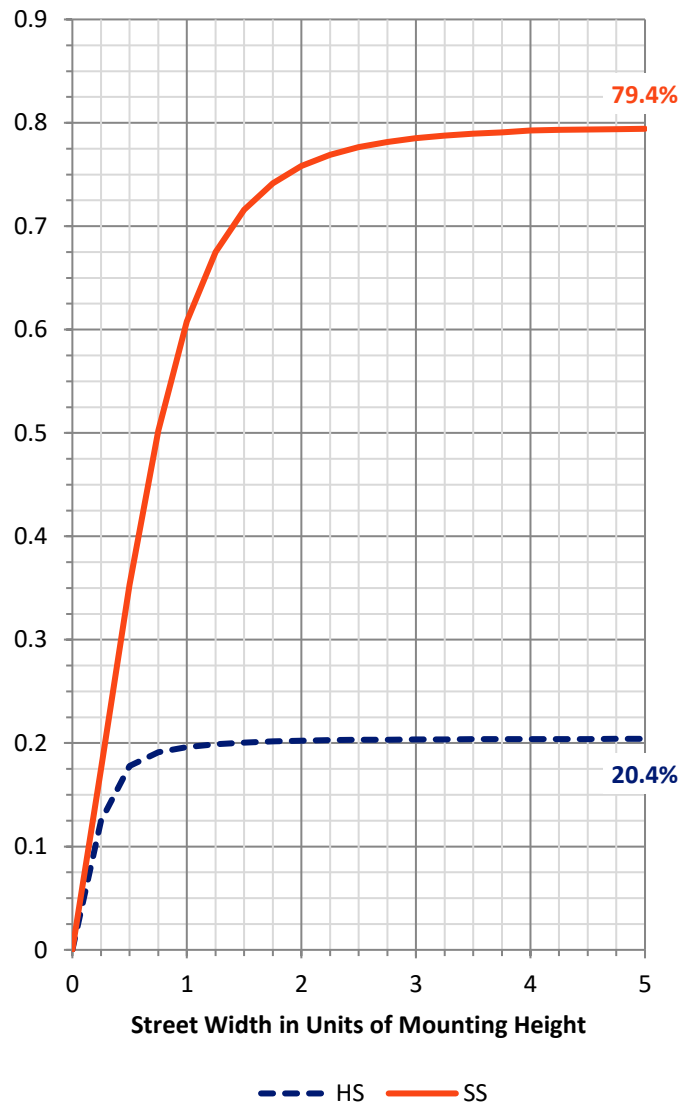
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.6	0.0	532.6
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2045.4	0.0	2045.4
	% Fixture	79.3	0.0	79.3
Total	Lumens	2578.0	0.0	2578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.9
10°-20°	139.5	5.4
20°-30°	228.9	8.9
30°-40°	336.9	13.1
40°-50°	444.3	17.2
50°-60°	517.2	20.1
60°-70°	513.9	19.9
70°-80°	317.9	12.3
80°-90°	30.4	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°	2578.0	100.0
0°-180°	2578.0	100.0

Coefficient of Utilization



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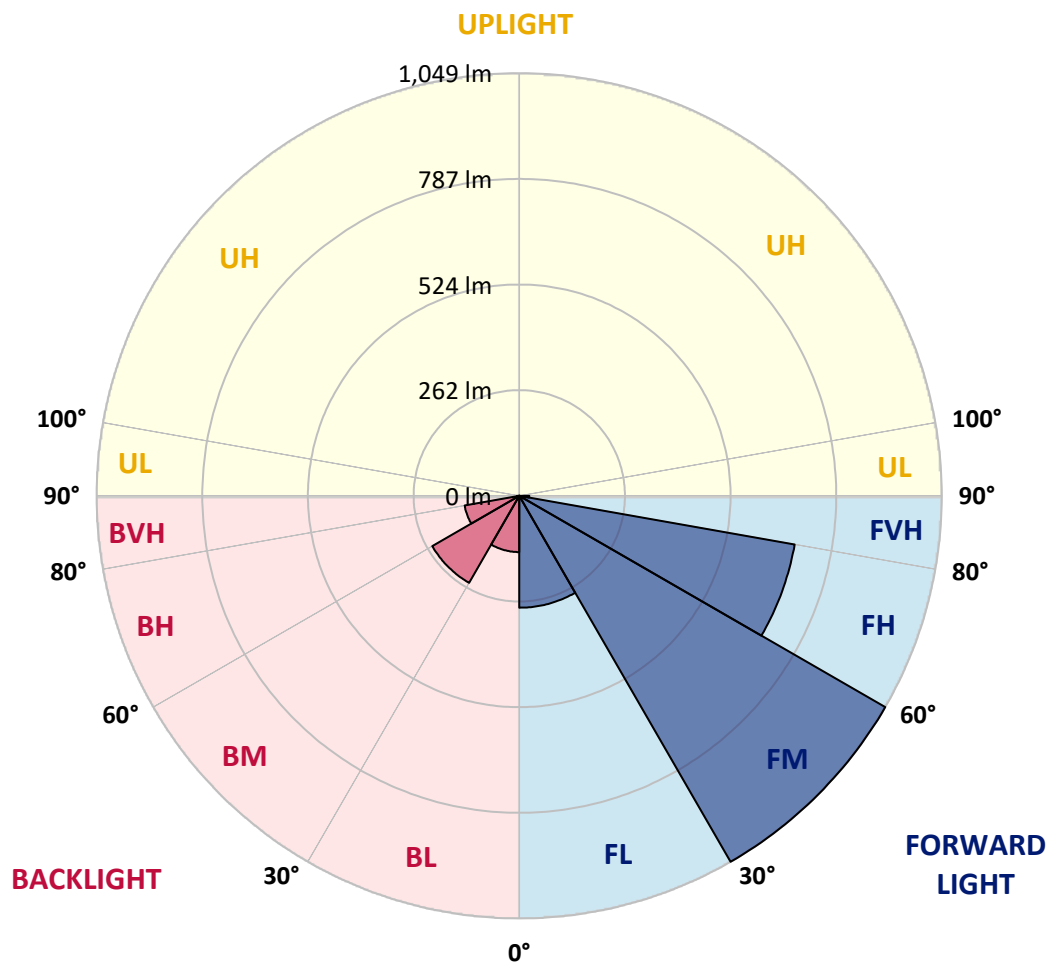
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.8	10.8			
FM	(30°-60°)	1049.0	40.7			
FH	(60°-80°)	694.1	26.9			G1/1800
FVH	(80°-90°)	24.6	1.0			G1/100
BL	(0°-30°)	139.7	5.4	B1/500		
BM	(30°-60°)	249.4	9.7	B1/1000		
BH	(60°-80°)	137.7	5.3	B1/500		G1/500
BVH	(80°-90°)	5.8	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°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	547.9	547.9	547.0	540.2	537.2	533.4	530.4	527.5	526.6	523.6	518.8
5°	580.0	579.0	579.0	573.2	567.4	559.6	551.8	544.0	543.1	535.3	524.6
7.5°	598.4	598.4	596.5	592.6	588.7	583.9	572.2	555.7	554.7	544.0	529.5
10°	603.3	604.3	608.2	598.4	595.5	590.7	584.8	567.4	564.4	548.9	525.6
12.5°	620.8	620.8	619.8	611.1	608.2	604.3	594.6	581.0	578.0	558.6	526.6
15°	642.2	643.1	640.2	632.4	628.6	623.7	611.1	596.5	595.5	570.3	534.3
17.5°	652.9	652.9	654.8	644.1	645.1	643.1	637.3	616.9	615.9	592.6	547.9
20°	656.7	657.7	658.7	658.7	659.7	657.7	663.5	646.1	643.1	616.9	566.4
22.5°	674.2	676.2	681.0	678.1	683.0	685.9	687.8	688.8	684.9	657.7	597.5
25°	682.0	686.9	693.7	704.3	712.1	717.9	732.5	739.3	738.3	715.0	649.0
27.5°	670.3	676.2	699.5	717.9	745.1	760.7	787.9	796.6	799.5	778.2	704.3
30°	685.9	687.8	698.5	721.8	755.8	802.5	839.4	858.8	858.8	842.3	758.7
32.5°	661.6	667.4	698.5	741.3	793.7	844.2	879.2	921.0	921.0	913.2	836.5
35°	658.7	661.6	680.1	727.7	794.7	887.0	933.6	983.2	990.0	990.9	913.2
37.5°	631.5	637.3	670.3	731.5	823.8	913.2	978.3	1055.1	1062.8	1073.5	977.3
40°	601.4	603.3	632.4	696.6	817.0	947.2	1021.1	1135.7	1144.4	1159.0	1062.8
42.5°	556.7	564.4	613.0	683.0	814.1	957.9	1068.7	1211.5	1221.2	1241.6	1133.7
45°	516.8	519.8	555.7	633.4	782.1	973.4	1105.6	1300.8	1306.7	1319.3	1193.0
47.5°	484.8	486.7	522.7	589.7	751.9	969.6	1141.5	1381.5	1395.1	1414.5	1263.0
50°	388.6	399.3	488.7	553.8	699.5	962.8	1169.7	1482.5	1502.9	1510.7	1343.6
52.5°	331.3	333.2	379.9	517.8	645.1	933.6	1196.9	1585.5	1608.8	1587.4	1440.7
55°	307.0	308.9	330.3	445.9	599.4	877.3	1217.3	1684.6	1701.1	1648.6	1513.6
57.5°	291.5	295.3	305.1	362.4	545.0	783.0	1221.2	1739.0	1745.8	1697.2	1550.5
60°	270.1	270.1	289.5	316.7	485.8	682.0	1189.1	1766.2	1799.2	1752.6	1618.5
62.5°	251.6	253.6	266.2	286.6	427.5	596.5	1094.9	1843.9	1860.4	1805.1	1642.8
65°	230.2	232.2	243.8	264.2	388.6	548.9	1044.4	1812.8	1764.3	1791.5	1672.9
67.5°	206.0	206.9	218.6	237.0	326.4	506.2	922.9	1694.3	1654.5	1727.3	1589.4
70°	181.7	181.7	191.4	206.0	266.2	444.0	762.6	1586.5	1616.6	1620.5	1506.8
72.5°	151.6	152.5	162.2	174.9	213.7	371.1	603.3	1478.6	1492.2	1440.7	1325.1
75°	108.8	112.7	123.4	136.0	169.0	294.4	428.4	1201.8	1272.7	1364.0	1138.6
77.5°	16.5	16.5	20.4	31.1	55.4	147.7	198.2	663.5	736.4	1141.5	994.8
80°	13.6	13.6	14.6	20.4	32.1	82.6	64.1	207.9	223.4	524.6	560.6
82.5°	6.8	6.8	10.7	14.6	19.4	24.3	27.2	100.1	115.6	178.8	223.4
85°	3.9	3.9	4.9	6.8	7.8	7.8	8.7	47.6	49.5	97.2	101.0
87.5°	1.0	1.0	1.9	1.9	1.9	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°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	516.8	513.9	508.1	503.2	500.3	494.5	489.6	485.8	483.8	488.7	489.6
5°	517.8	511.0	500.3	493.5	485.8	476.0	464.4	457.6	454.7	455.6	458.6
7.5°	519.8	510.0	497.4	482.8	462.4	443.0	429.4	421.6	417.7	422.6	422.6
10°	513.9	503.2	485.8	463.4	437.2	417.7	402.2	388.6	383.7	385.7	386.7
12.5°	513.9	499.4	470.2	443.0	418.7	386.7	363.3	350.7	345.9	346.8	348.8
15°	516.8	497.4	456.6	423.6	387.6	353.6	333.2	317.7	312.8	308.0	309.9
17.5°	526.6	494.5	449.8	397.3	357.5	325.5	297.3	279.8	275.9	275.9	276.9
20°	536.3	498.4	438.1	377.9	330.3	290.5	261.3	248.7	240.0	236.1	240.0
22.5°	556.7	512.0	430.4	365.3	302.1	264.2	237.0	208.9	193.3	186.5	188.5
25°	593.6	536.3	436.2	342.9	286.6	240.0	202.1	168.1	146.7	139.9	141.8
27.5°	650.9	576.1	443.0	341.0	258.4	215.7	164.2	127.3	110.8	104.0	105.9
30°	707.3	630.5	465.4	321.6	247.7	176.8	124.4	98.1	81.6	74.8	76.7
32.5°	755.8	683.0	493.5	316.7	219.6	133.1	93.3	72.9	60.2	54.4	55.4
35°	827.7	727.7	517.8	302.1	186.5	100.1	68.0	52.5	45.7	43.7	43.7
37.5°	891.8	780.1	541.1	297.3	139.9	74.8	48.6	42.7	41.8	38.9	38.9
40°	958.9	835.5	551.8	279.8	102.0	52.5	39.8	39.8	38.9	35.9	35.9
42.5°	1037.6	891.8	561.5	259.4	72.9	39.8	36.9	37.9	36.9	34.0	33.0
45°	1093.9	926.8	564.4	207.9	50.5	37.9	35.0	35.9	35.0	33.0	32.1
47.5°	1145.4	977.3	551.8	145.7	40.8	35.9	34.0	34.0	34.0	31.1	30.1
50°	1198.8	1019.1	541.1	78.7	39.8	35.0	32.1	31.1	32.1	30.1	29.1
52.5°	1269.8	1051.2	513.0	53.4	38.9	34.0	31.1	29.1	30.1	28.2	29.1
55°	1364.0	1135.7	461.5	50.5	38.9	33.0	30.1	27.2	27.2	26.2	26.2
57.5°	1406.7	1167.7	378.9	48.6	37.9	33.0	28.2	25.3	23.3	22.3	21.4
60°	1459.2	1214.4	292.4	44.7	35.0	31.1	25.3	22.3	19.4	18.5	18.5
62.5°	1486.4	1225.1	231.2	39.8	32.1	27.2	22.3	18.5	15.5	13.6	13.6
65°	1501.9	1219.2	161.3	35.9	28.2	24.3	19.4	15.5	11.7	10.7	9.7
67.5°	1449.5	1184.3	94.2	31.1	24.3	21.4	16.5	12.6	9.7	8.7	7.8
70°	1344.6	1077.4	59.3	27.2	21.4	18.5	14.6	10.7	7.8	6.8	6.8
72.5°	1231.9	868.5	40.8	21.4	16.5	14.6	10.7	8.7	6.8	4.9	4.9
75°	1108.5	753.9	30.1	15.5	11.7	10.7	8.7	6.8	5.8	3.9	3.9
77.5°	785.9	499.4	24.3	11.7	7.8	6.8	5.8	4.9	3.9	3.9	2.9
80°	464.4	243.8	18.5	7.8	5.8	4.9	3.9	3.9	2.9	2.9	2.9
82.5°	173.9	93.3	12.6	5.8	3.9	3.9	2.9	2.9	1.9	1.9	1.9
85°	63.1	23.3	5.8	2.9	2.9	1.9	1.9	1.9	1.9	1.9	1.9
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)