

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: P959236

Luminaire Tested: **NVN-SB1A-727-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1A-727-U-T2R-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

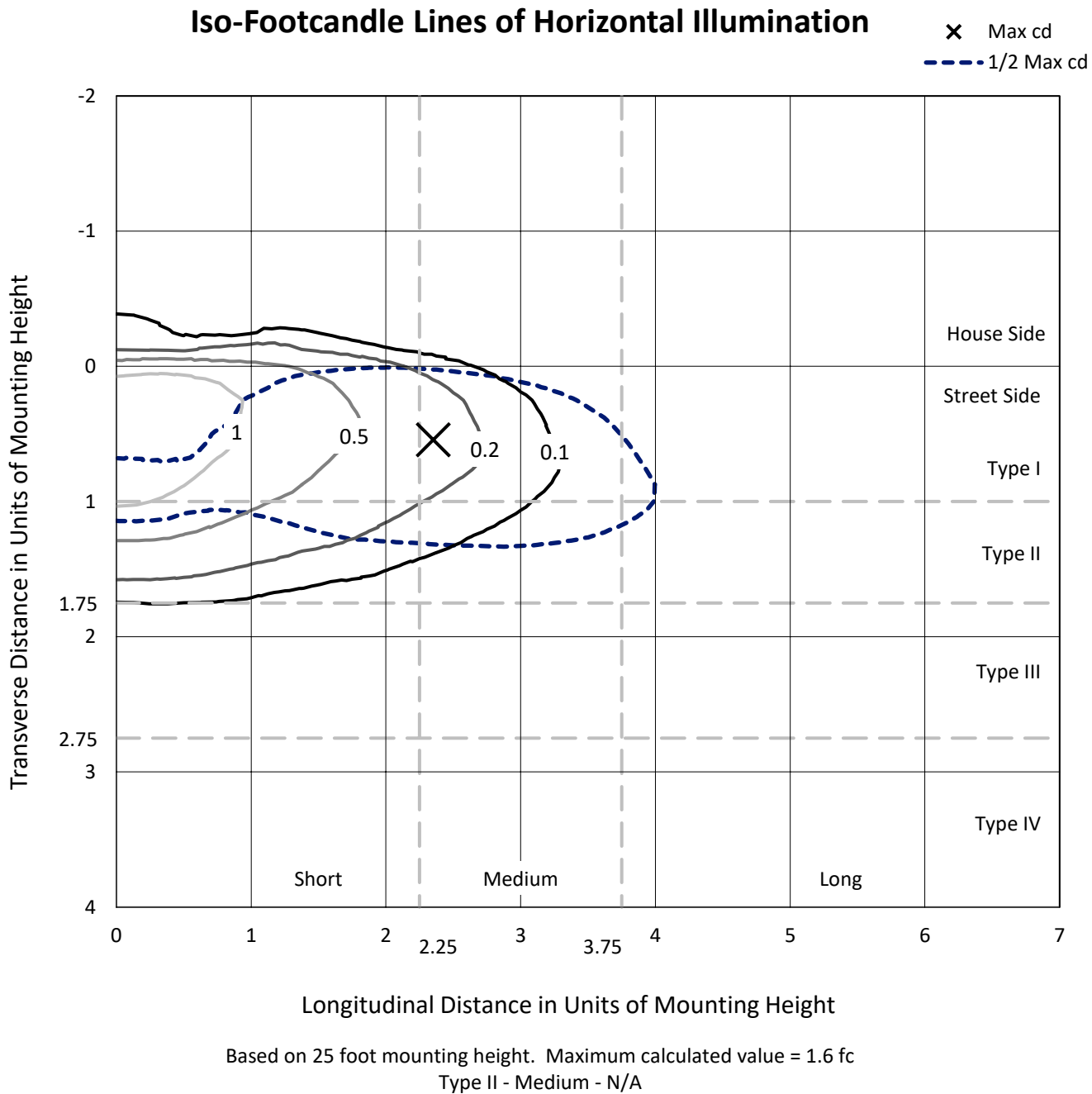
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3612.1 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 30.9
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

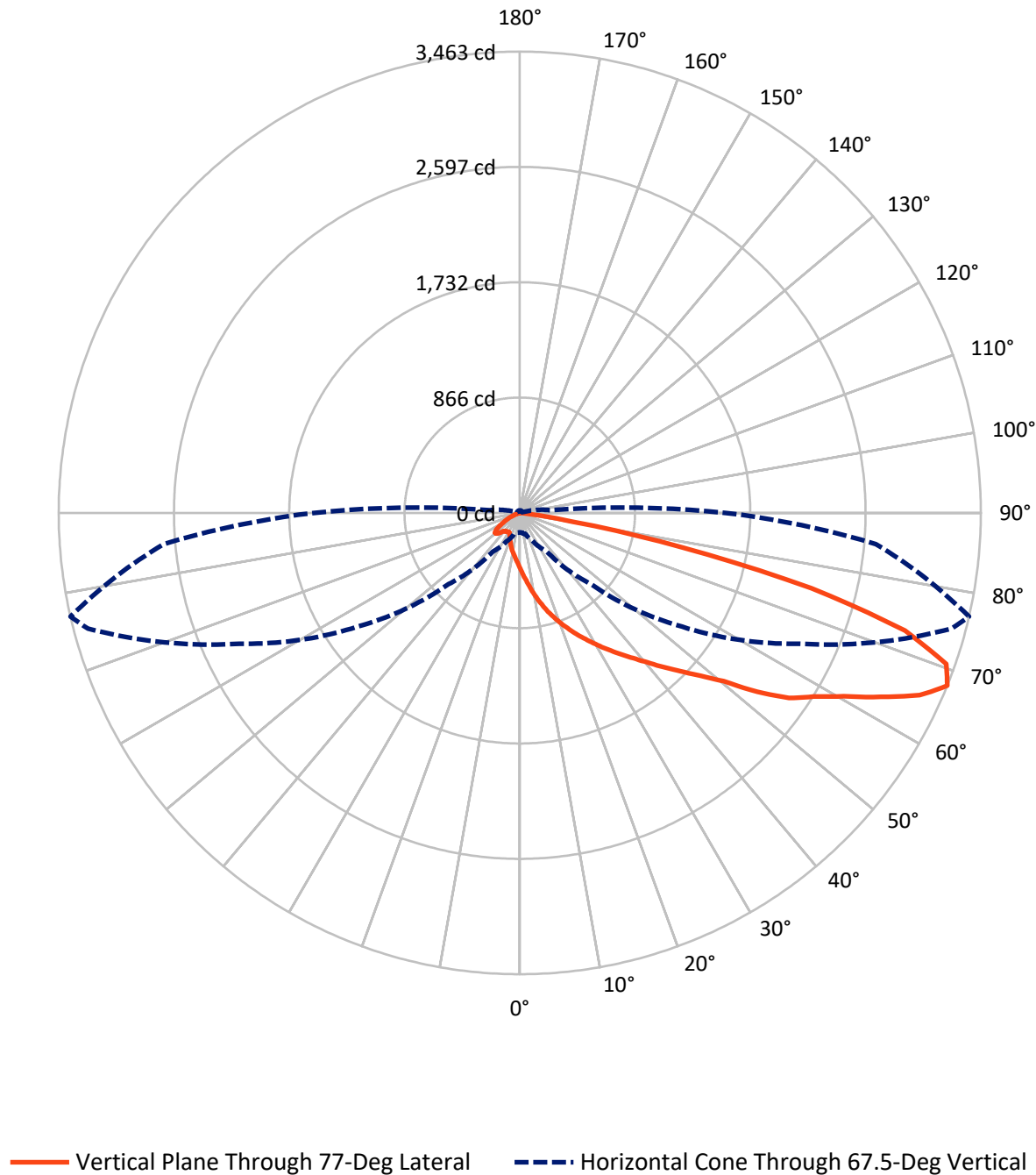


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Luminous Intensity Polar Plot



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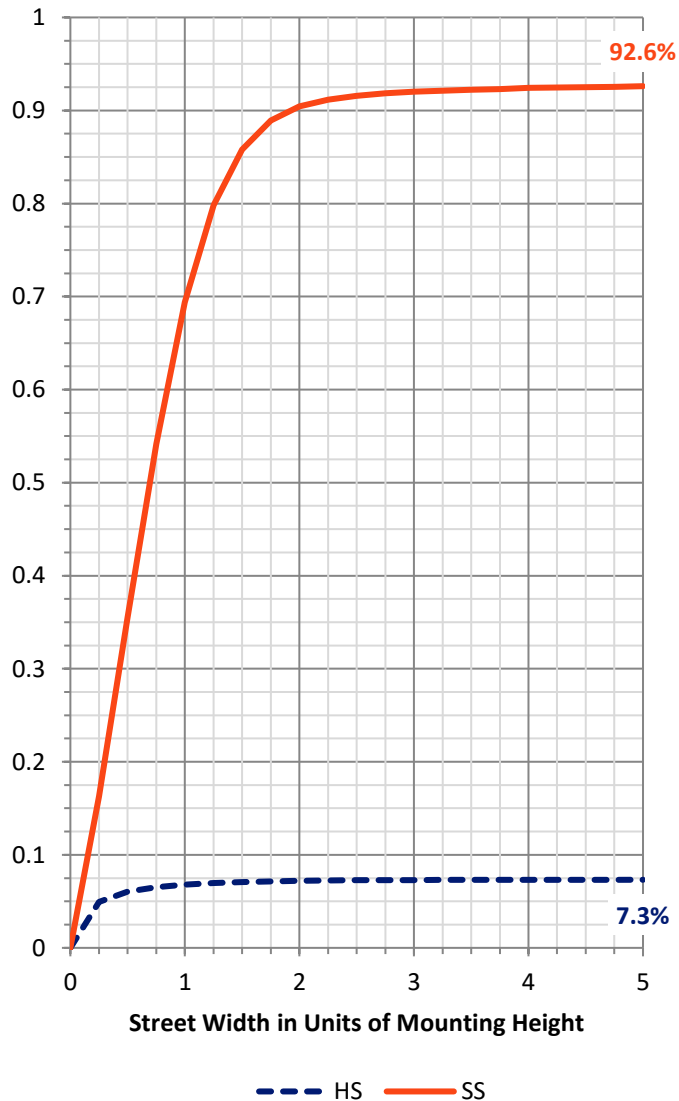
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	265.7	0.0	265.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	3346.4	0.0	3346.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	3612.1	0.0	3612.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	1.2
10°-20°	148.9	4.1
20°-30°	287.3	8.0
30°-40°	498.8	13.8
40°-50°	724.2	20.0
50°-60°	831.6	23.0
60°-70°	722.0	20.0
70°-80°	340.1	9.4
80°-90°	16.8	0.5
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°	3612.1	100.0
0°-180°	3612.1	100.0

Coefficient of Utilization



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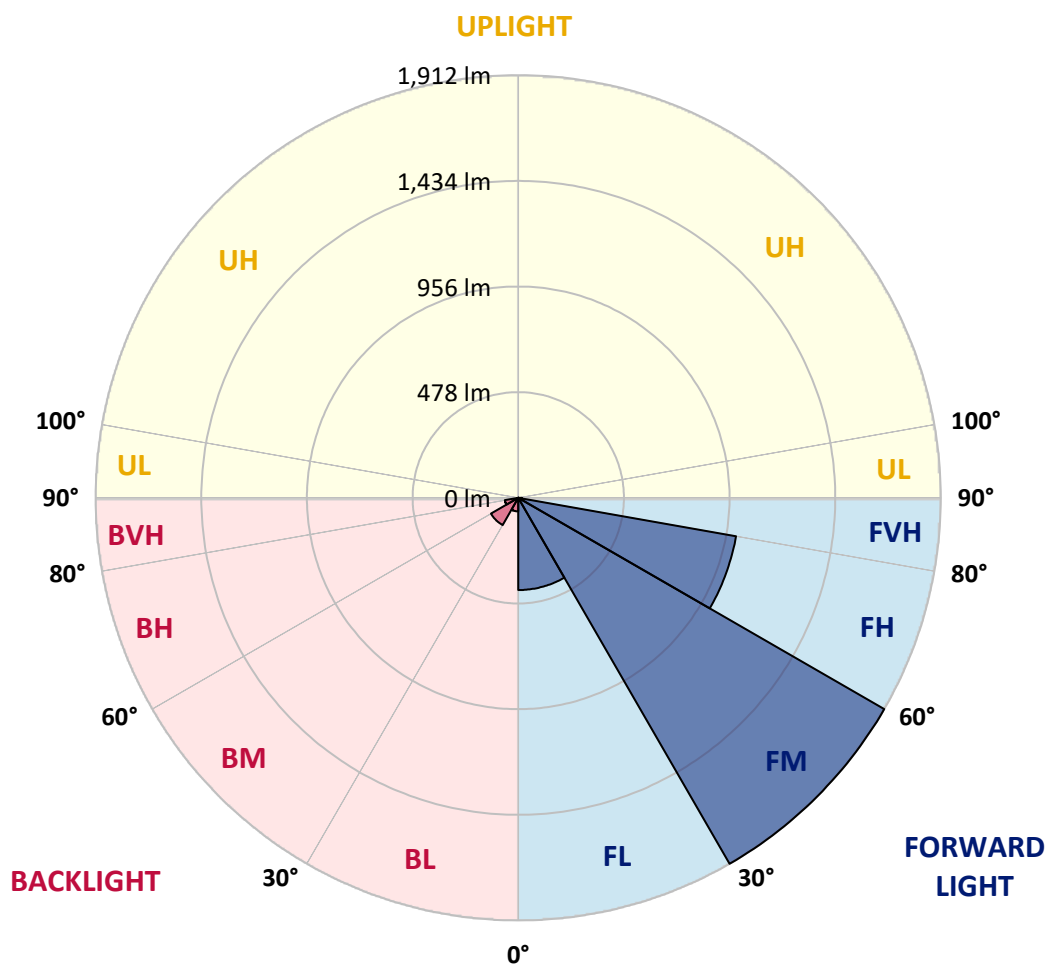
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	417.2	11.5			
FM	(30°-60°)	1912.1	52.9			
FH	(60°-80°)	1000.5	27.7			G1/1800
FVH	(80°-90°)	16.5	0.5			G1/100
BL	(0°-30°)	61.5	1.7	B0/110		
BM	(30°-60°)	142.4	3.9	B0/220		
BH	(60°-80°)	61.5	1.7	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6
2.5°	576.7	580.3	575.1	565.3	550.4	540.8	517.2	495.1	470.4	462.5	437.9
5°	702.9	706.1	700.3	689.5	669.7	650.9	619.9	573.6	525.3	509.8	466.1
7.5°	796.5	798.3	796.0	786.2	767.3	746.0	711.5	656.5	585.0	568.0	500.8
10°	863.8	869.6	869.0	865.1	852.6	835.3	798.5	735.9	651.8	629.9	540.1
12.5°	908.5	914.9	918.7	927.2	926.6	915.6	883.3	817.1	718.4	692.6	584.4
15°	921.5	928.3	943.0	962.7	980.2	985.8	963.2	896.8	791.8	758.8	629.7
17.5°	914.0	924.8	942.3	973.4	1011.8	1037.2	1034.7	973.6	858.4	820.7	674.0
20°	930.4	940.7	954.4	980.6	1025.3	1071.2	1089.7	1047.2	924.6	885.1	720.7
22.5°	1021.0	1019.3	1020.6	1024.8	1051.5	1097.1	1135.0	1114.1	990.0	949.7	770.0
25°	1164.6	1156.5	1142.8	1119.7	1112.9	1135.0	1174.4	1173.3	1059.1	1015.9	820.5
27.5°	1329.2	1327.9	1295.8	1240.1	1208.8	1200.3	1219.0	1230.9	1127.6	1081.4	871.1
30°	1486.9	1490.5	1447.2	1385.3	1327.7	1294.3	1277.1	1285.7	1197.1	1152.0	923.4
32.5°	1624.2	1628.0	1580.9	1508.4	1437.0	1396.8	1360.8	1339.8	1272.9	1223.7	980.8
35°	1740.1	1743.9	1689.9	1609.8	1533.8	1497.2	1456.6	1398.9	1349.2	1303.4	1044.8
37.5°	1843.8	1842.6	1770.2	1689.4	1614.8	1585.8	1564.5	1471.9	1427.7	1383.4	1115.7
40°	1905.0	1909.7	1847.8	1758.8	1686.3	1665.2	1663.9	1562.3	1518.3	1475.5	1193.3
42.5°	1922.9	1931.2	1886.4	1813.2	1747.5	1724.7	1759.8	1660.1	1623.7	1582.0	1280.9
45°	1890.6	1898.7	1878.3	1827.6	1789.2	1774.5	1842.4	1761.5	1736.4	1695.0	1379.9
47.5°	1796.4	1806.6	1811.5	1800.7	1800.2	1815.3	1916				

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6
2.5°	422.1	406.4	374.5	343.4	318.1	294.5	277.7	261.8	253.7	253.3	252.8
5°	434.9	401.9	338.2	282.0	236.7	200.3	176.7	159.9	151.4	148.5	148.0
7.5°	452.8	403.3	306.4	228.2	174.8	143.6	130.1	124.7	122.9	120.8	120.4
10°	475.5	406.4	277.9	183.7	137.8	122.0	116.6	114.4	113.1	111.7	111.2
12.5°	500.8	409.4	249.7	152.5	121.2	113.1	109.3	106.5	104.8	103.2	102.7
15°	525.5	411.1	220.3	130.8	112.6	106.1	102.1	99.1	96.7	94.9	94.6
17.5°	550.0	413.6	192.7	117.8	105.7	99.1	95.1	91.5	89.5	87.4	87.2
20°	577.2	413.2	166.7	108.5	98.7	92.1	87.9	84.6	82.5	80.3	80.1
22.5°	602.3	410.9	143.8	100.8	91.5	85.3	80.6	77.2	75.1	73.4	73.1
25°	631.2	409.1	124.7	93.6	84.8	78.5	73.4	70.2	68.0	66.4	66.2
27.5°	659.0	406.4	110.8	87.0	78.3	72.3	67.2	63.7	61.7	60.6	60.6
30°	686.3	405.8	105.7	80.8	72.5	66.4	61.5	58.1	56.5	56.1	55.9
32.5°	719.3	407.5	107.9	78.5	67.0	61.0	56.3	53.8	52.3	52.3	52.3
35°	754.5	407.1	111.2	80.6	63.4	55.7	52.1	50.4	48.9	48.9	48.9
37.5°	798.8	407.7	114.0	83.8	62.1	51.1	49.1	47.2	46.2	46.2	46.2
40°	864.7	430.0	112.6	86.8	61.7	48.0	44.0	43.3	42.6	42.6	42.6
42.5°	945.5	478.2	114.4	87.0	61.5	45.7	40.4	41.7	40.2	40.0	39.7
45°	1033.8	530.9	125.9	82.3	61.2	44.6	38.5	40.2	37.7	37.7	37.7
47.5°	1121.6	583.2	137.5	75.5	60.6	44.4	37.0	36.1	35.5	35.7	35.7
50°	1242.4	625.8	142.0	66.4	59.0	44.0	34.1	34			