

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: P565298

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T4W**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565298
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-T4W
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T4W distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

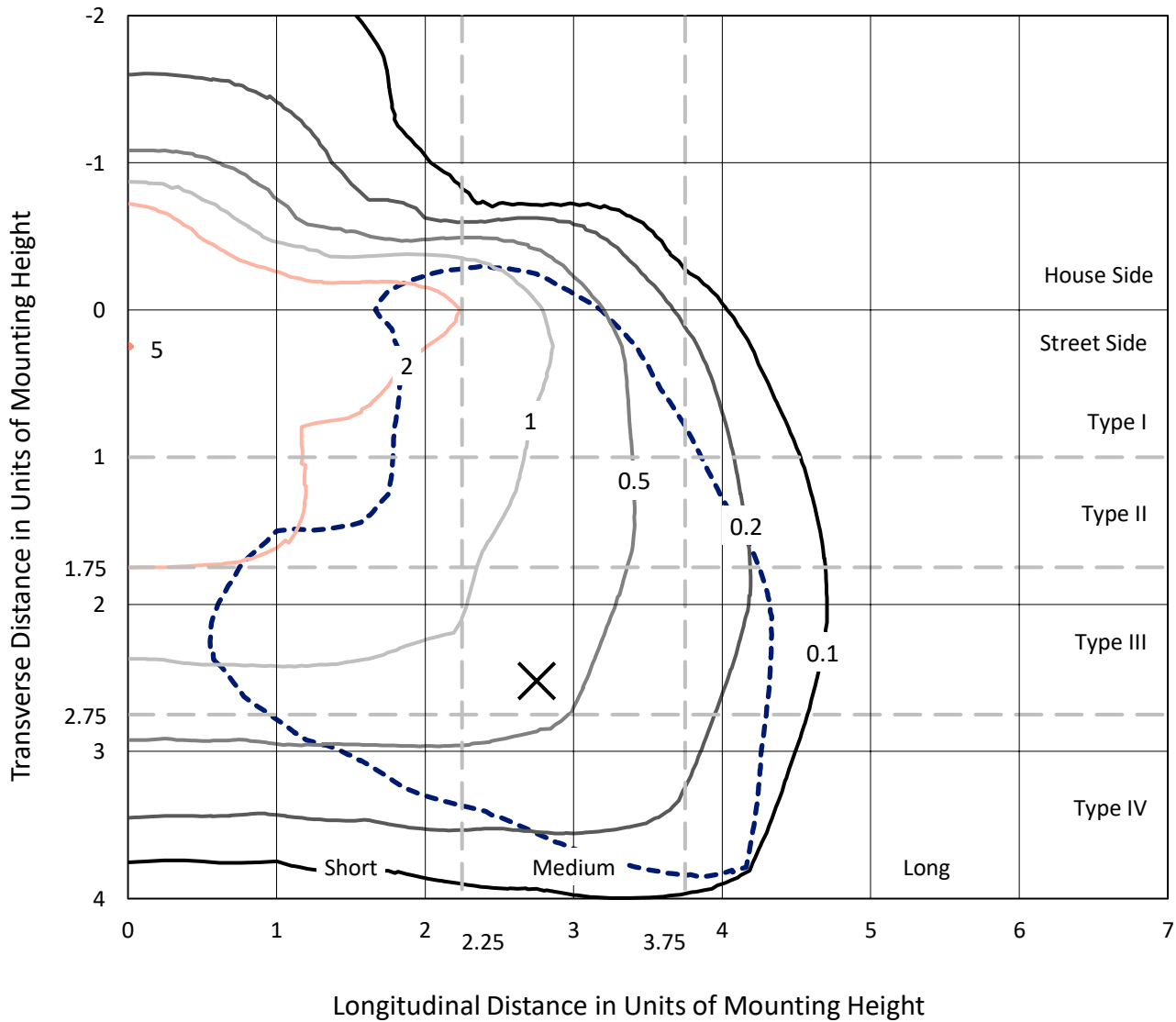
Lumens per Lamp: N/A
Luminaire Lumens: 4437.7 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 83
Input Voltage (V): 120
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

REPORT NUMBER: P565298
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

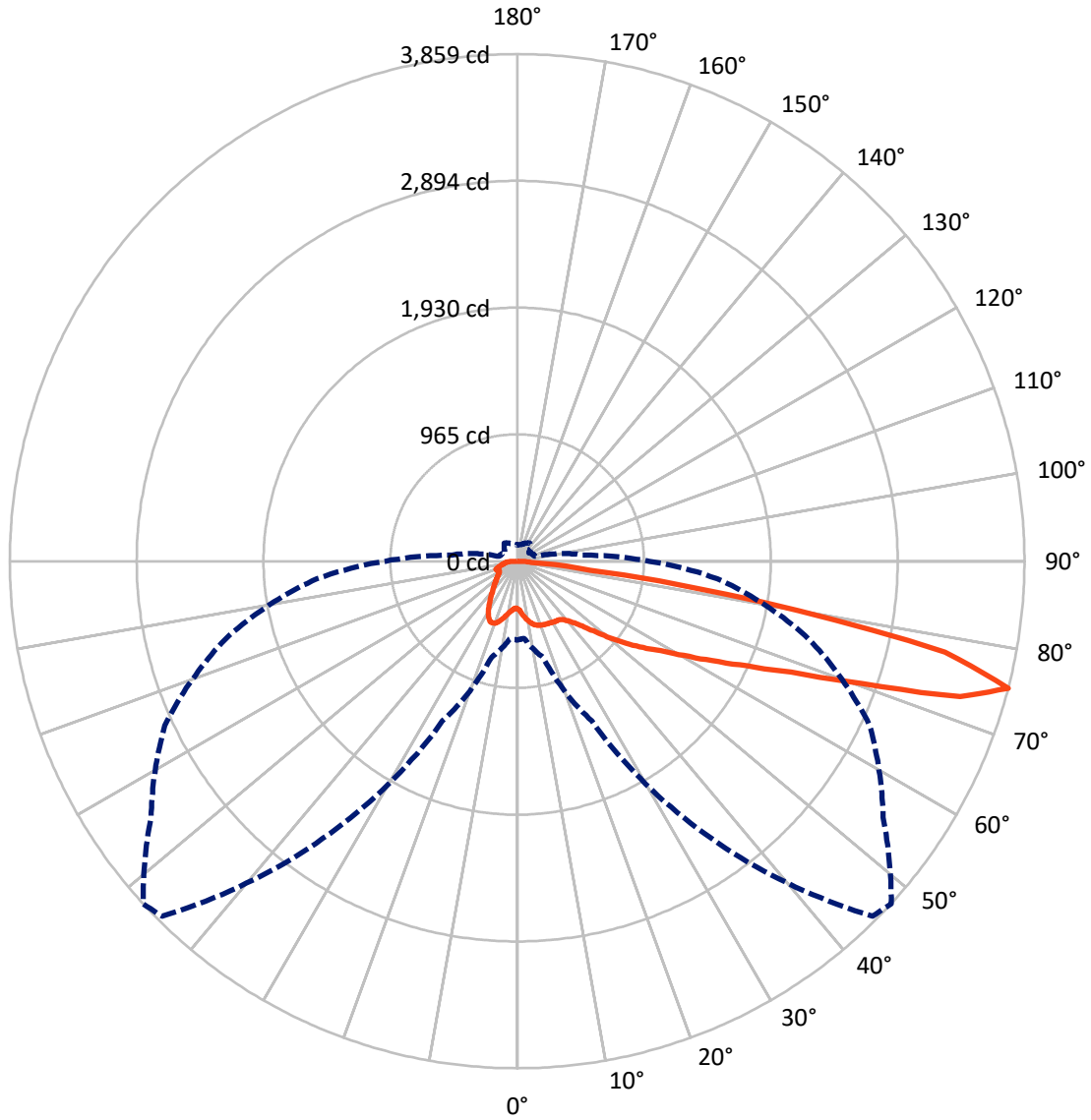
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P565298
CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P565298
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T4W

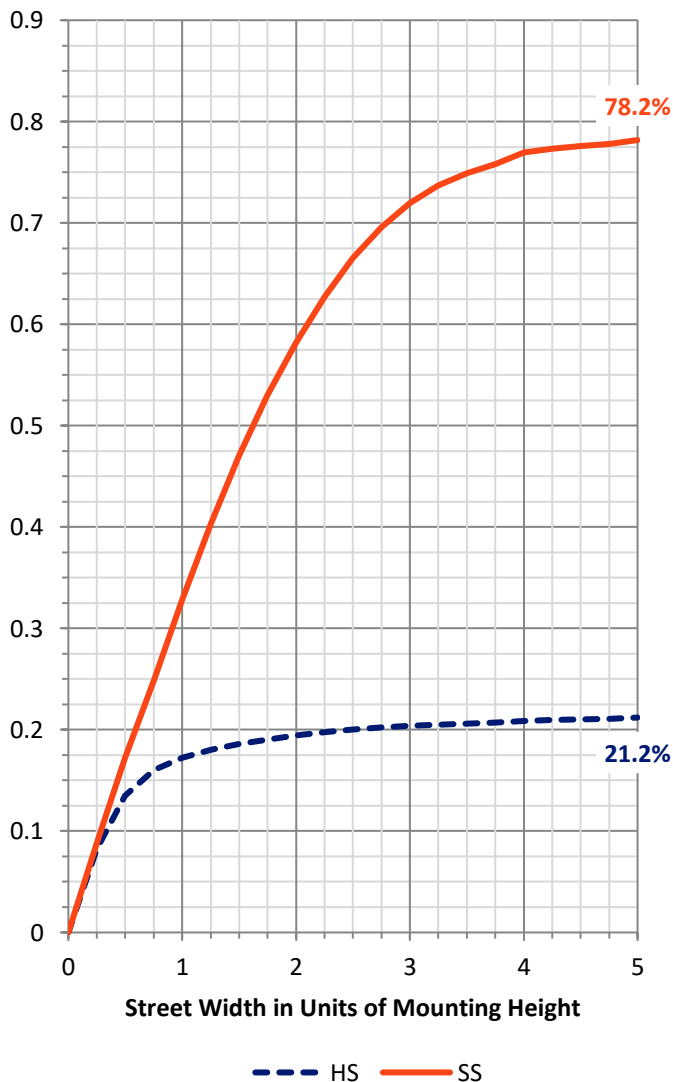
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.2	0.0	963.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3474.5	0.0	3474.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	4437.7	0.0	4437.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	0.9
10°-20°	136.3	3.1
20°-30°	233.5	5.3
30°-40°	324.2	7.3
40°-50°	470.5	10.6
50°-60°	744.0	16.8
60°-70°	1246.2	28.1
70°-80°	1115.8	25.1
80°-90°	128.6	2.9
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°	4437.7	100.0
0°-180°	4437.7	100.0

Coefficient of Utilization

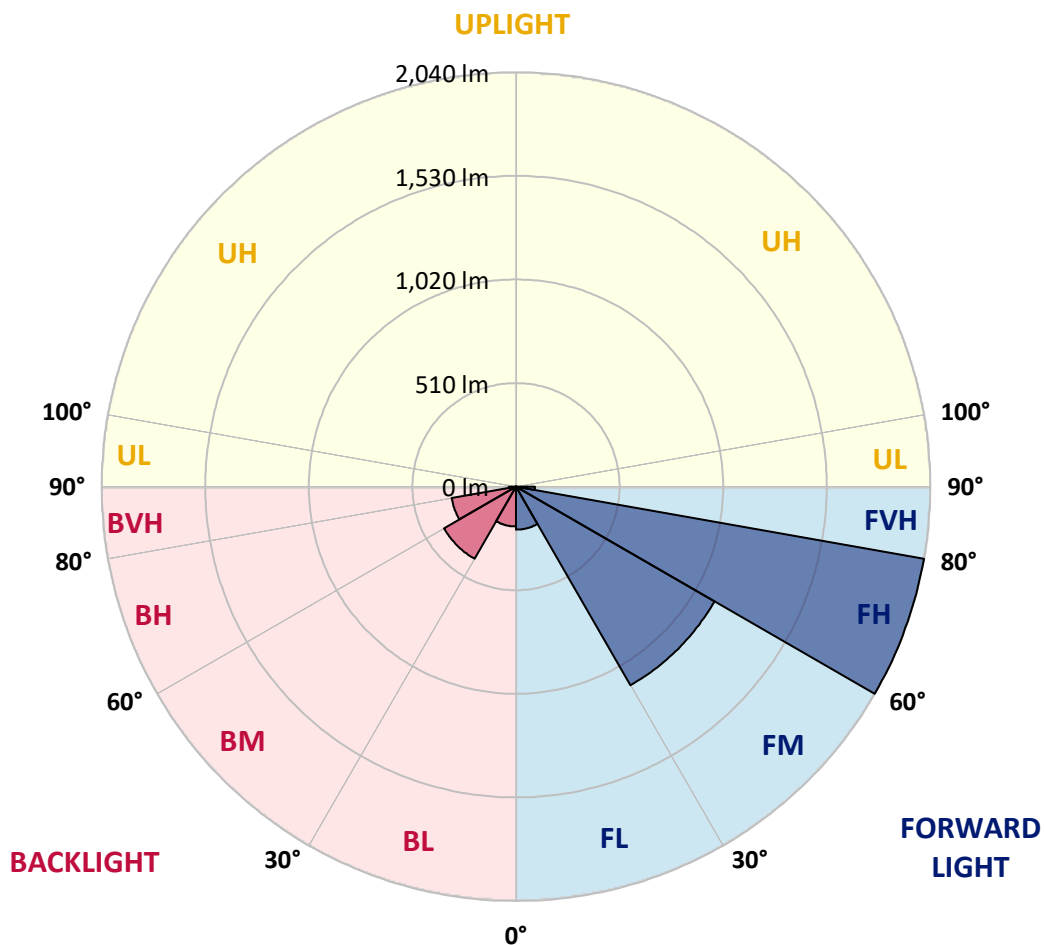


REPORT NUMBER: P565298
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.0	4.8			
FM (30°-60°)	1129.2	25.4			
FH (60°-80°)	2040.1	46.0			G2/5000
FVH (80°-90°)	93.1	2.1			G1/100
BL (0°-30°)	196.3	4.4	B1/500		
BM (30°-60°)	409.6	9.2	B1/1000		
BH (60°-80°)	321.9	7.3	B1/500		G1/500
BVH (80°-90°)	35.5	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





REPORT NUMBER: P565298

CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4
2.5°	390.4	385.9	383.7	381.4	379.2	374.8	374.8	372.5	370.3	365.8	363.6
5°	441.7	435.0	430.5	426.1	417.1	408.2	403.7	394.8	385.9	374.8	368.1
7.5°	484.1	481.8	475.1	466.2	452.8	439.4	435.0	423.8	410.4	392.6	381.4
10°	517.5	515.3	506.4	495.2	479.6	466.2	461.7	452.8	437.2	417.1	401.5
12.5°	546.5	544.3	533.1	517.5	499.7	488.5	484.1	477.4	461.7	443.9	423.8
15°	562.1	559.9	551.0	530.9	513.1	504.1	501.9	497.4	486.3	468.4	446.1
17.5°	557.7	557.7	548.7	530.9	517.5	515.3	513.1	513.1	504.1	490.7	466.2
20°	537.6	535.4	535.4	519.7	515.3	519.7	519.7	524.2	519.7	510.8	486.3
22.5°	519.7	517.5	517.5	508.6	510.8	522.0	524.2	530.9	530.9	524.2	499.7
25°	513.1	508.6	510.8	501.9	508.6	526.4	528.7	537.6	537.6	530.9	508.6
27.5°	513.1	508.6	510.8	501.9	510.8	528.7	533.1	544.3	542.1	530.9	513.1
30°	524.2	519.7	519.7	508.6	517.5	535.4	537.6	548.7	546.5	537.6	524.2
32.5°	602.3	595.6	564.4	528.7	528.7	542.1	544.3	555.4	559.9	548.7	539.8
35°	725.0	720.5	673.7	591.1	551.0	548.7	548.7	568.8	582.2	568.8	555.4
37.5°	883.3	865.5	805.3	696.0	606.7	566.6	564.4	586.7	611.2	597.8	575.5
40°	1017.2	1003.8	939.1	818.7	682.6	606.7	597.8	613.4	642.4	626.8	606.7
42.5°	1122.0	1110.9	1072.9	950.3	776.3	660.3	642.4	642.4	675.9	662.5	640.2
45°	1202.3	1200.1	1180.0	1070.7	881.1	740.6	713.8	684.8	720.5	713.8	684.8
47.5°	1242.5	1240.2	1260.3	1173.3	997.1	845.4	803.0	745.0	783.0	783.0	754.0
50°	1278.2	1284.9	1320.6	1282.6	1130.9	970.3	916.8	825.3	867.7	883.3	843.2
52.5°	1336.2	1358.5	1391.9	1389.7	1291.6	1104.2	1037.3	919.0	979.3	1017.2	979.3
55°	1452.2	1449.9	1472.2	1512.4	1463.3	1242.5	1162.2	1039.5	1137.6	1200.1	1162.2
57.5°	1523.5	1523.5	1570.4	1655.2	1664.1	1391.9	1287.1	1195.6	1340.6	1418.7	1407.5
60°	1635.1	1635.1	1697.5	1813.5	1862.6	1554.8	1456.6	1385.2	1579.3	1670.8	1739.9
62.5°	1695.3	1706.5	1811.3	1956.3	2018.7	1753.3	1664.1	1639.5	1851.4	1954.1	2145.9
65°	1675.2	1695.3	1913.9	2074.5	2212.8	1992.0	1920.6	1907.2	2134.7	2241.8	2578.6
67.5°	1706.5	1719.8	1965.2	2239.6	2449.3	2304.3	2248.5	2228.4	2440.3	2467.1	2897.6
70°	1617.2	1621.7	1842.5	2344.4	2812.9	2864.2	2786.1	2679.0	2759.3	2645.6	2962.3
72.5°	1284.9	1284.9	1485.6	2079.0	2933.3	3569.1	3524.4	3198.8	3013.6	2641.1	2482.7
75°	600.0	588.9	756.2	1342.9	2576.4	3821.1	3859.0	3399.5	2957.9	2299.8	1528.0
77.5°	156.1	153.9	227.5	497.4	1434.3	3167.5	3328.1	2768.3	2253.0	1365.2	566.6
80°	82.5	82.5	107.1	156.1	497.4	1681.9	1882.7	1458.9	1019.4	486.3	178.5
82.5°	40.2	42.4	69.2	98.1	223.1	461.7	559.9	488.5	310.1	189.6	109.3
85°	17.8	20.1	35.7	58.0	131.6	100.4	107.1	142.8	178.5	136.1	60.2
87.5°	6.7	6.7	11.2	17.8	46.8	33.5	33.5	58.0	102.6	84.8	24.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P565298
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4
2.5°	363.6	361.4	359.1	359.1	356.9	356.9	356.9	359.1	359.1	359.1	359.1
5°	365.8	363.6	361.4	361.4	363.6	368.1	370.3	374.8	377.0	379.2	381.4
7.5°	379.2	374.8	372.5	372.5	377.0	383.7	388.1	394.8	401.5	406.0	408.2
10°	397.1	392.6	388.1	392.6	397.1	403.7	412.7	419.4	426.1	430.5	435.0
12.5°	417.1	410.4	408.2	412.7	421.6	430.5	439.4	446.1	452.8	459.5	461.7
15°	437.2	432.7	430.5	437.2	448.4	459.5	468.4	475.1	479.6	486.3	486.3
17.5°	459.5	455.1	452.8	461.7	475.1	484.1	490.7	493.0	493.0	497.4	497.4
20°	477.4	472.9	472.9	484.1	495.2	501.9	499.7	497.4	493.0	497.4	497.4
22.5°	493.0	488.5	488.5	499.7	508.6	506.4	497.4	490.7	486.3	490.7	490.7
25°	501.9	501.9	506.4	510.8	506.4	499.7	488.5	484.1	477.4	479.6	481.8
27.5°	508.6	513.1	519.7	513.1	490.7	475.1	466.2	466.2	461.7	464.0	470.7
30°	524.2	528.7	530.9	506.4	464.0	439.4	428.3	435.0	443.9	446.1	452.8
32.5°	542.1	551.0	542.1	490.7	430.5	397.1	385.9	401.5	421.6	430.5	441.7
35°	562.1	577.7	551.0	472.9	397.1	352.4	348.0	361.4	379.2	394.8	408.2
37.5°	591.1	611.2	564.4	448.4	356.9	316.8	307.8	312.3	319.0	327.9	334.6
40°	624.6	649.1	575.5	414.9	312.3	285.5	272.1	261.0	256.5	252.1	256.5
42.5°	667.0	698.2	586.7	377.0	285.5	261.0	238.7	225.3	216.4	203.0	203.0
45°	718.3	756.2	591.1	339.1	265.4	236.5	214.1	203.0	189.6	171.8	171.8
47.5°	789.7	841.0	588.9	301.1	245.4	214.1	198.5	185.1	169.5	156.1	156.1
50°	894.5	934.6	575.5	261.0	220.8	198.5	185.1	169.5	153.9	147.2	145.0
52.5°	1055.1	1057.3	546.5	225.3	200.8	185.1	171.8	158.4	147.2	142.8	140.5
55°	1309.4	1233.6	493.0	196.3	182.9	174.0	165.1	153.9	142.8	138.3	136.1
57.5°	1637.3	1496.8	466.2	178.5	162.8	162.8	160.6	151.7	140.5	133.8	131.6
60°	2105.7	1826.9	439.4	167.3	149.5	158.4	158.4	151.7	140.5	140.5	138.3
62.5°	2554.1	2166.0	354.7	160.6	142.8	158.4	169.5	167.3	167.3	178.5	178.5
65°	2915.5	2375.7	258.8	156.1	140.5	167.3	187.4	187.4	169.5	176.2	171.8
67.5°	3009.2	2369.0	194.1	151.7	138.3	182.9	207.5	182.9	156.1	160.6	156.1
70°	2687.9	1965.2	174.0	147.2	136.1	182.9	200.8	174.0	149.5	153.9	142.8
72.5°	1949.6	1231.3	156.1	140.5	124.9	165.1	185.1	162.8	140.5	138.3	127.1
75°	1006.0	515.3	140.5	129.4	109.3	140.5	169.5	151.7	131.6	127.1	122.7
77.5°	327.9	198.5	127.1	118.2	95.9	124.9	156.1	140.5	120.5	111.5	109.3
80°	142.8	133.8	109.3	104.8	82.5	107.1	145.0	129.4	107.1	95.9	93.7
82.5°	100.4	91.5	87.0	84.8	69.2	104.8	145.0	127.1	100.4	98.1	80.3
85°	55.8	53.5	60.2	55.8	49.1	87.0	109.3	87.0	62.5	51.3	51.3
87.5°	20.1	24.5	29.0	26.8	24.5	44.6	58.0	49.1	33.5	26.8	26.8
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)