

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: P565266

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T2R**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565266  
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-T2R  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T2R distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

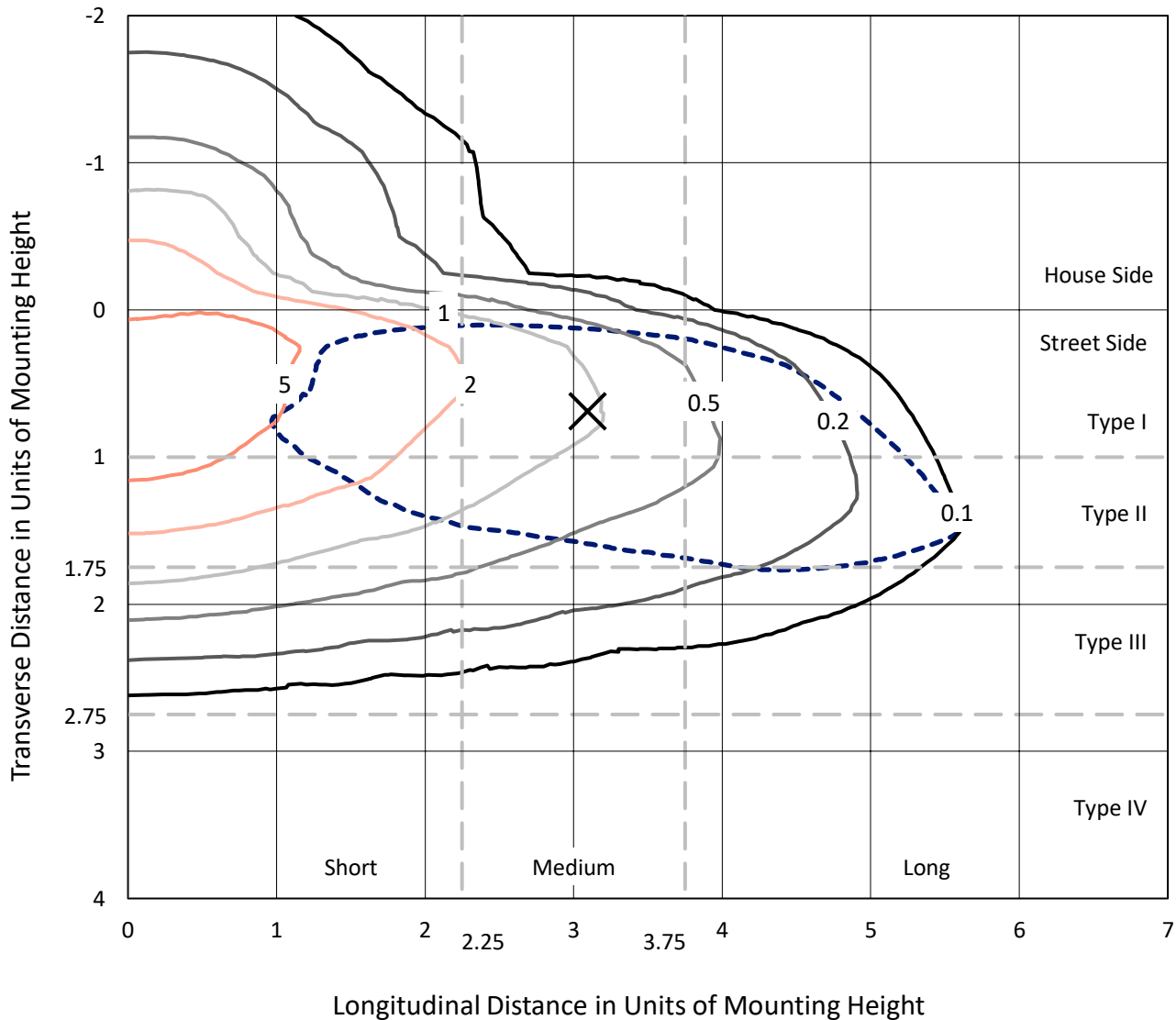
Lumens per Lamp: N/A  
Luminaire Lumens: 4414.7 lumens  
Efficiency: N/A  
Efficacy: 53.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

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

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### Iso-Footcandle Lines of Horizontal Illumination

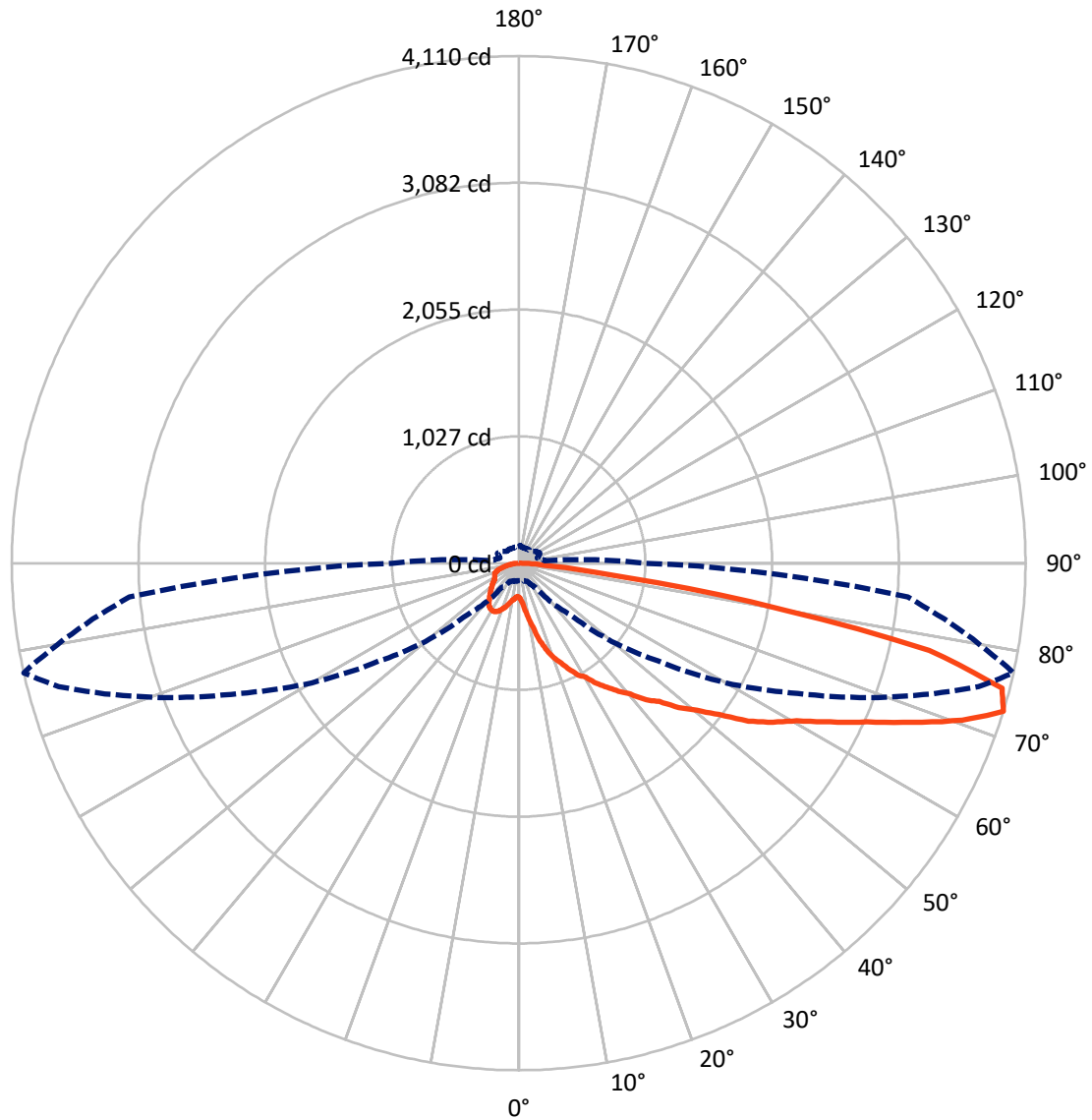
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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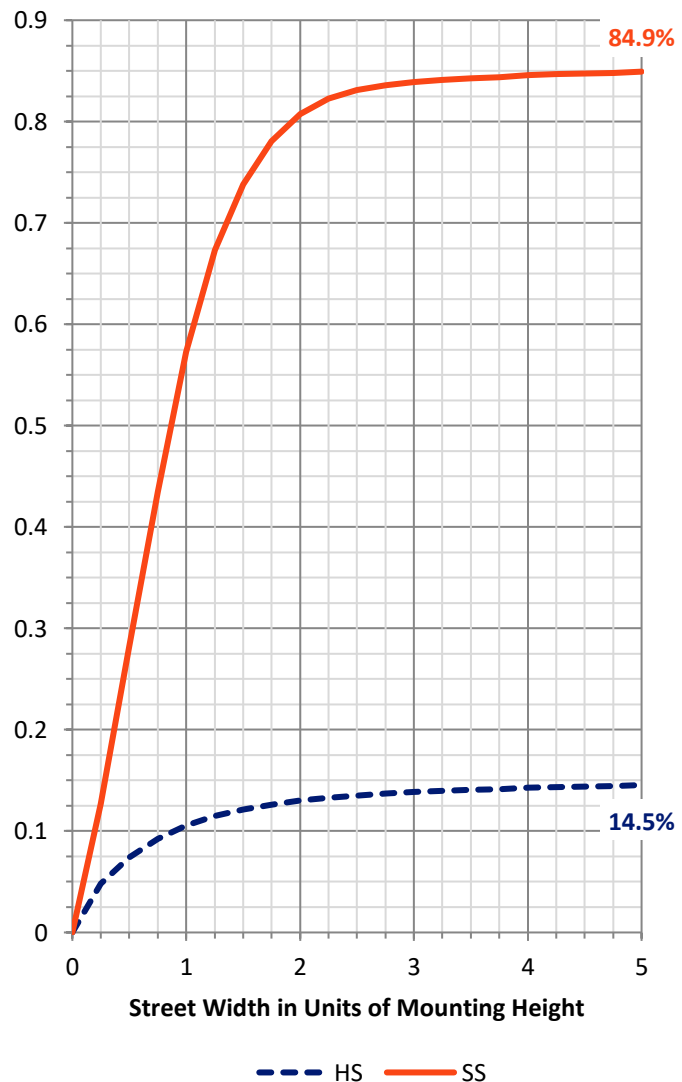
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	653.1	0.0	653.1
	% Fixture	14.8	0.0	14.8
<b>Street Side</b>	Lumens	3761.5	0.0	3761.5
	% Fixture	85.2	0.0	85.2
<b>Total</b>	Lumens	4414.7	0.0	4414.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.7	0.9
10°-20°	169.1	3.8
20°-30°	320.8	7.3
30°-40°	543.0	12.3
40°-50°	782.4	17.7
50°-60°	899.4	20.4
60°-70°	904.5	20.5
70°-80°	650.9	14.7
80°-90°	104.8	2.4
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°	4414.7	100.0
0°-180°	4414.7	100.0

**Coefficient of Utilization**

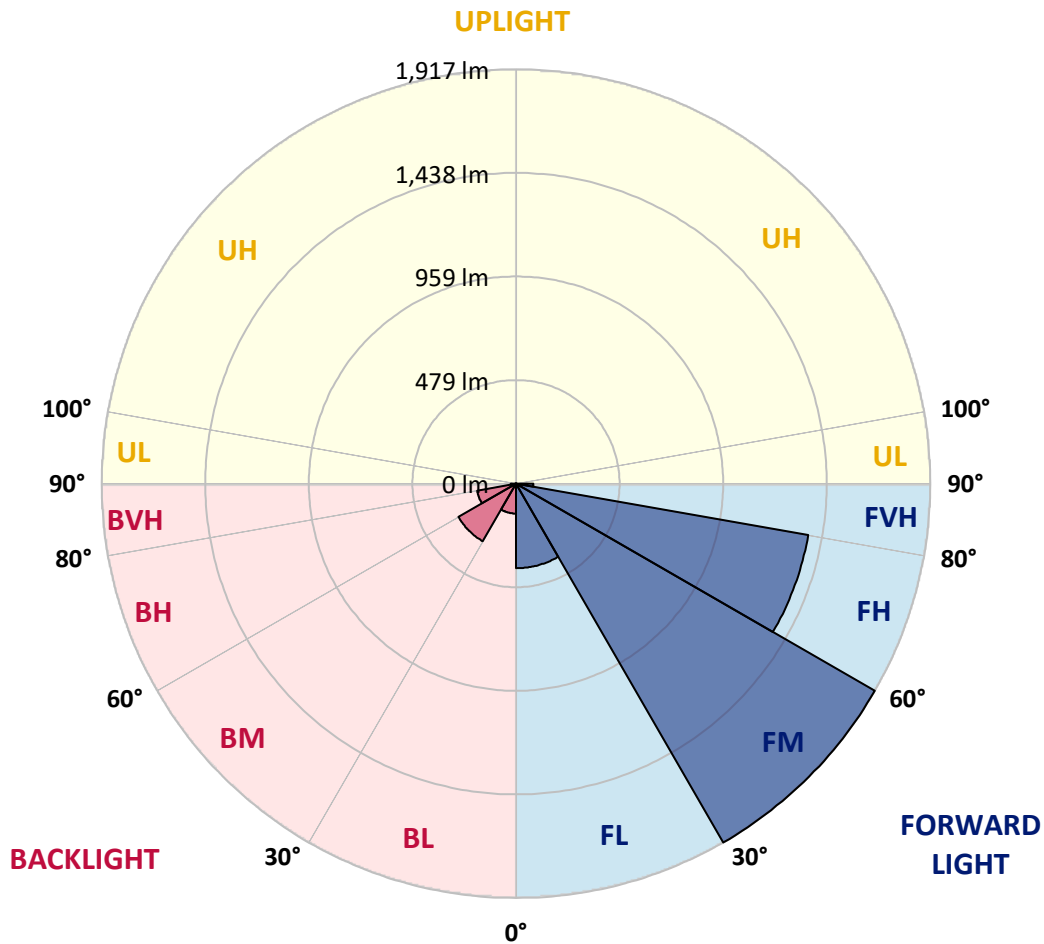


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.1	8.9			
FM (30°-60°)	1917.2	43.4			
FH (60°-80°)	1373.0	31.1			G1/1800
FVH (80°-90°)	80.2	1.8			G1/100
BL (0°-30°)	138.5	3.1	B1/500		
BM (30°-60°)	307.6	7.0	B1/1000		
BH (60°-80°)	182.4	4.1	B1/500		G1/500
BVH (80°-90°)	24.6	0.6			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3
2.5°	399.5	386.6	377.9	369.3	354.2	345.5	328.3	302.3	291.6	291.6	282.9
5°	632.8	611.2	606.9	587.4	561.5	518.3	447.0	384.4	339.1	323.9	300.2
7.5°	725.6	736.4	730.0	721.3	701.9	667.3	624.1	514.0	408.2	386.6	334.7
10°	814.2	833.6	825.0	809.9	816.3	775.3	730.0	652.2	503.2	460.0	380.1
12.5°	885.5	889.8	904.9	909.2	922.2	891.9	846.6	755.9	613.3	548.5	429.8
15°	945.9	935.1	965.4	991.3	1002.1	993.4	935.1	837.9	714.8	658.7	490.2
17.5°	937.3	930.8	952.4	1012.9	1049.6	1073.3	1034.5	930.8	796.9	745.1	561.5
20°	883.3	900.6	928.6	989.1	1051.7	1120.9	1125.2	1010.7	863.9	818.5	637.1
22.5°	896.2	891.9	917.8	974.0	1056.1	1123.0	1174.8	1107.9	928.6	881.1	699.7
25°	930.8	933.0	963.2	1004.2	1066.9	1144.6	1211.6	1174.8	993.4	952.4	766.7
27.5°	1051.7	1043.1	1038.8	1049.6	1099.3	1183.5	1244.0	1235.3	1062.5	1025.8	842.3
30°	1317.4	1276.3	1209.4	1148.9	1144.6	1220.2	1261.2	1278.5	1138.1	1073.3	891.9
32.5°	1600.3	1604.6	1511.7	1356.3	1205.1	1276.3	1317.4	1297.9	1222.4	1161.9	948.1
35°	1749.3	1749.3	1732.0	1613.2	1403.8	1336.8	1345.5	1323.9	1291.5	1235.3	1017.2
37.5°	1894.0	1885.4	1822.7	1751.5	1615.4	1442.6	1434.0	1354.1	1351.9	1317.4	1073.3
40°	2008.5	1978.2	1945.8	1859.4	1770.9	1615.4	1496.6	1427.5	1427.5	1397.3	1127.3
42.5°	2043.0	2032.2	1984.7	1922.1	1857.3	1766.6	1617.6	1498.8	1529.0	1516.1	1213.7
45°	2017.1	1989.0	1950.2	1930.7	1904.8	1850.8	1768.7	1578.7	1624.0	1600.3	1300.1
47.5°	1902.6	1907.0	1872.4	1930.7	1935.0	1896.2	1941.5	1686.7	1723.4	1747.1	1390.8
50°	1740.7	1738.5	1764.4	1874.6	1902.6	1948.0	2030.1	1824.9	1850.8	1876.7	1509.6
52.5°	1475.0	1479.4	1570.1	1684.5	1844.3	1943.7	2144.5	1978.2	2012.8	2036.5	1665.1
55°	1256.9	1259.1	1321.7	1485.8	1716.9	1913.4	2146.7	2135.9	2220.1	2259.0	1824.9
57.5°	1174.8	1181.3	1196.4	1306.6	1513.9	1859.4	2200.7	2248.2	2351.8	2431.8	1963.1
60°	1069.0	1058.2	1103.6	1198.6	1362.7	1751.5	2198.5	2325.9	2507.3	2591.6	2146.7
62.5°	874.7	866.0	924.3	1069.0	1276.3	1578.7	2220.1	2459.8	2688.7	2835.6	2328.1
65°	589.6	576.6	652.2	820.7	1088.5	1468.6	2207.2	2552.7	2941.4	3101.2	2591.6
67.5°	311.0	308.8	371.5	533.4	827.1	1285.0	2066.8	2701.7	3254.6	3442.5	2885.3
70°	170.6	170.6	196.5	272.1	485.9	967.5	1846.5	2706.0	3559.1	3813.9	3081.8
72.5°	142.5	144.7	149.0	159.8	241.9	589.6	1382.2	2494.4	3861.4	4109.8	3168.2
75°	125.3	125.3	127.4	129.6	149.0	293.7	881.1	2161.8	3997.5	4047.2	2924.2
77.5°	105.8	103.7	105.8	108.0	118.8	187.9	423.3	1643.5	3546.1	3403.6	2021.4
80°	86.4	88.5	88.5	88.5	99.3	144.7	170.6	1021.5	2172.6	1904.8	904.9
82.5°	62.6	64.8	69.1	71.3	88.5	99.3	90.7	468.6	803.4	626.3	261.3
85°	28.1	30.2	45.4	45.4	64.8	47.5	49.7	168.5	252.7	216.0	77.7
87.5°	2.2	2.2	17.3	17.3	25.9	15.1	19.4	49.7	86.4	82.1	21.6
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°	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3
2.5°	278.6	276.4	270.0	270.0	265.6	265.6	263.5	263.5	263.5	259.2	257.0
5°	291.6	285.1	278.6	272.1	270.0	267.8	270.0	272.1	270.0	265.6	265.6
7.5°	313.1	300.2	289.4	280.8	280.8	278.6	278.6	278.6	278.6	280.8	278.6
10°	339.1	321.8	300.2	293.7	289.4	293.7	291.6	289.4	289.4	289.4	289.4
12.5°	371.5	347.7	315.3	308.8	308.8	304.5	302.3	304.5	300.2	293.7	298.0
15°	412.5	377.9	339.1	330.4	323.9	317.5	311.0	306.7	306.7	300.2	304.5
17.5°	464.3	406.0	362.8	345.5	341.2	328.3	317.5	311.0	304.5	302.3	302.3
20°	511.8	438.4	377.9	360.7	343.4	330.4	319.6	306.7	298.0	293.7	295.9
22.5°	559.3	468.6	399.5	367.1	341.2	323.9	311.0	300.2	291.6	285.1	285.1
25°	606.9	494.6	408.2	367.1	339.1	315.3	300.2	291.6	280.8	272.1	272.1
27.5°	652.2	522.6	412.5	360.7	326.1	304.5	287.2	278.6	267.8	259.2	259.2
30°	704.0	539.9	406.0	347.7	311.0	289.4	276.4	263.5	257.0	246.2	246.2
32.5°	734.3	548.5	397.4	328.3	295.9	276.4	263.5	254.8	248.4	241.9	237.6
35°	766.7	548.5	380.1	306.7	278.6	261.3	257.0	252.7	248.4	233.2	228.9
37.5°	794.7	537.7	352.0	287.2	263.5	254.8	257.0	252.7	241.9	224.6	220.3
40°	827.1	524.8	321.8	265.6	246.2	254.8	263.5	246.2	216.0	205.2	200.8
42.5°	866.0	514.0	293.7	248.4	239.7	254.8	261.3	224.6	209.5	194.4	194.4
45°	896.2	492.4	270.0	233.2	233.2	246.2	250.5	216.0	205.2	192.2	192.2
47.5°	941.6	464.3	250.5	220.3	226.8	235.4	222.4	213.8	198.7	190.0	187.9
50°	1012.9	434.1	233.2	209.5	220.3	228.9	209.5	205.2	192.2	181.4	181.4
52.5°	1073.3	403.9	222.4	207.3	216.0	216.0	200.8	192.2	185.7	174.9	170.6
55°	1123.0	362.8	205.2	200.8	216.0	192.2	187.9	185.7	183.6	168.5	166.3
57.5°	1157.6	326.1	198.7	203.0	211.6	183.6	183.6	181.4	174.9	166.3	164.1
60°	1159.7	304.5	196.5	203.0	207.3	174.9	179.2	177.1	170.6	166.3	164.1
62.5°	1170.5	289.4	194.4	200.8	198.7	164.1	170.6	172.8	164.1	162.0	162.0
65°	1207.2	276.4	194.4	205.2	181.4	159.8	162.0	162.0	157.7	159.8	159.8
67.5°	1235.3	263.5	190.0	211.6	170.6	153.3	155.5	153.3	151.2	155.5	155.5
70°	1170.5	239.7	177.1	205.2	168.5	144.7	144.7	144.7	140.4	151.2	149.0
72.5°	1028.0	216.0	155.5	190.0	166.3	136.1	136.1	131.7	129.6	142.5	133.9
75°	771.0	179.2	127.4	153.3	157.7	131.7	125.3	118.8	110.1	112.3	108.0
77.5°	457.8	136.1	99.3	116.6	131.7	127.4	116.6	103.7	90.7	90.7	88.5
80°	228.9	90.7	77.7	88.5	97.2	123.1	101.5	86.4	71.3	71.3	66.9
82.5°	112.3	58.3	54.0	66.9	60.5	110.1	86.4	66.9	51.8	69.1	73.4
85°	49.7	36.7	34.6	41.0	34.6	75.6	64.8	41.0	45.4	47.5	34.6
87.5°	15.1	15.1	13.0	10.8	10.8	19.4	32.4	10.8	30.2	6.5	4.3
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)