

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: P565262

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T2R**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565262  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-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**

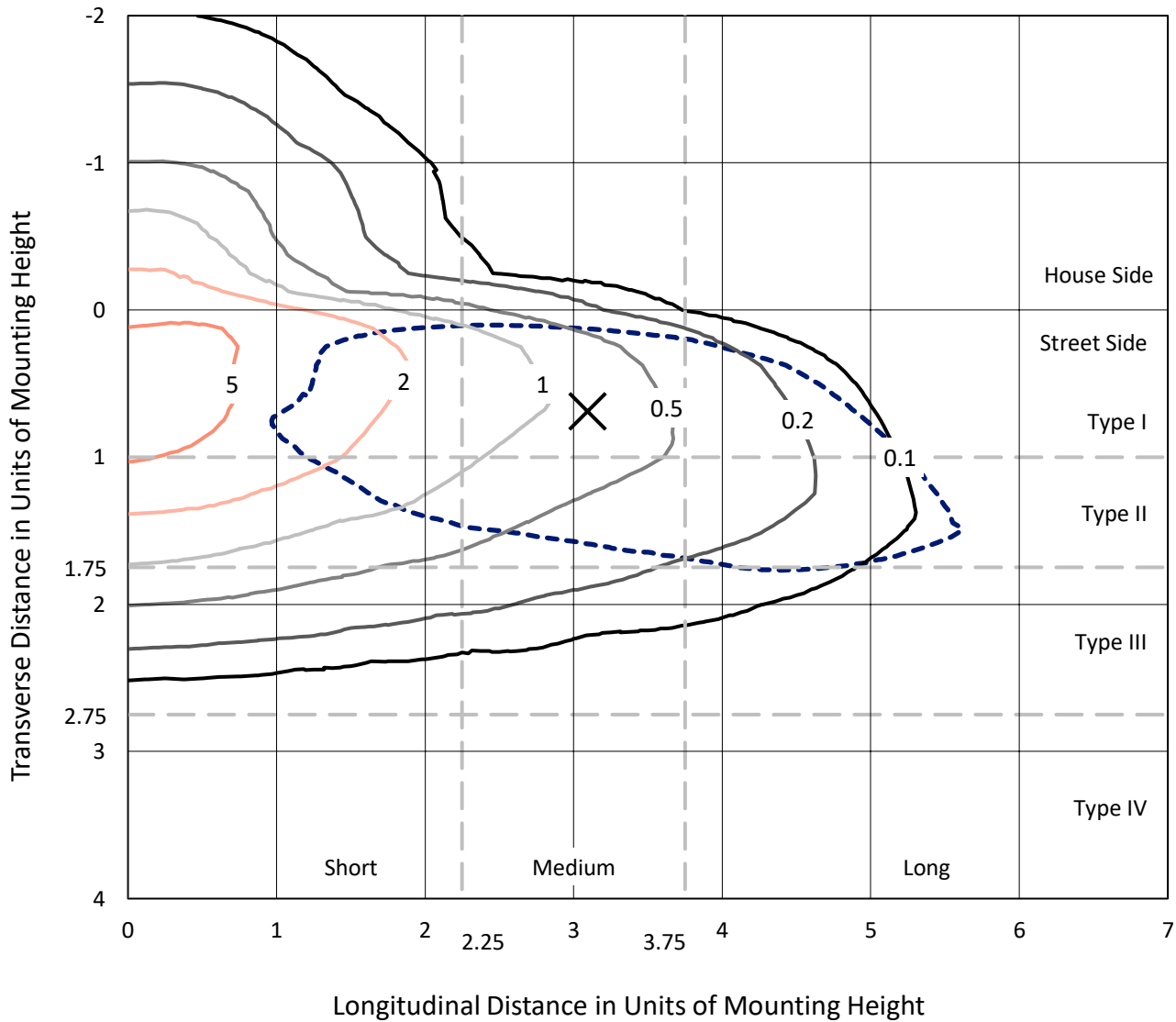
Lumens per Lamp: N/A  
Luminaire Lumens: 3289 lumens  
Efficiency: N/A  
Efficacy: 53.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 61.2  
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

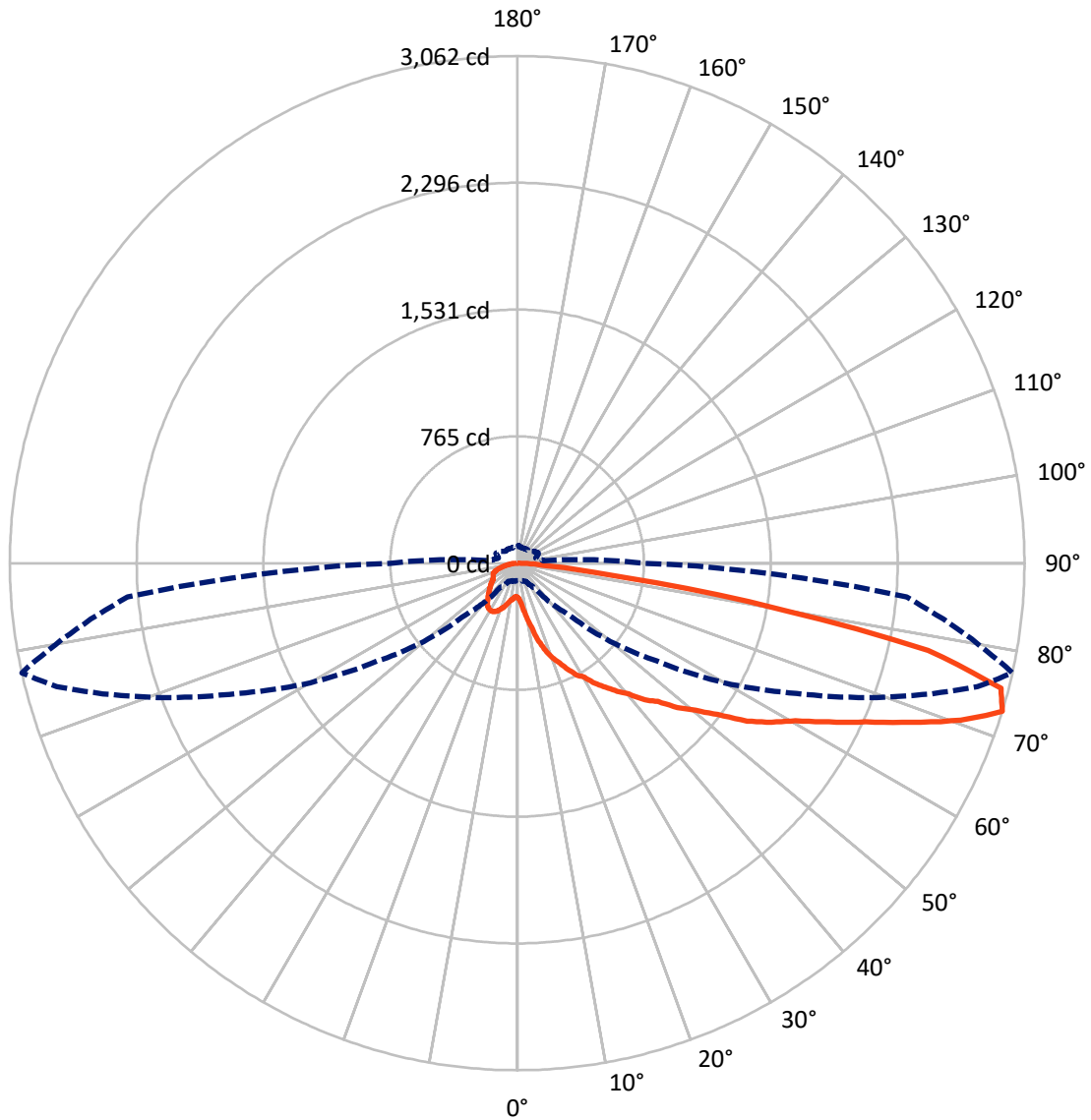
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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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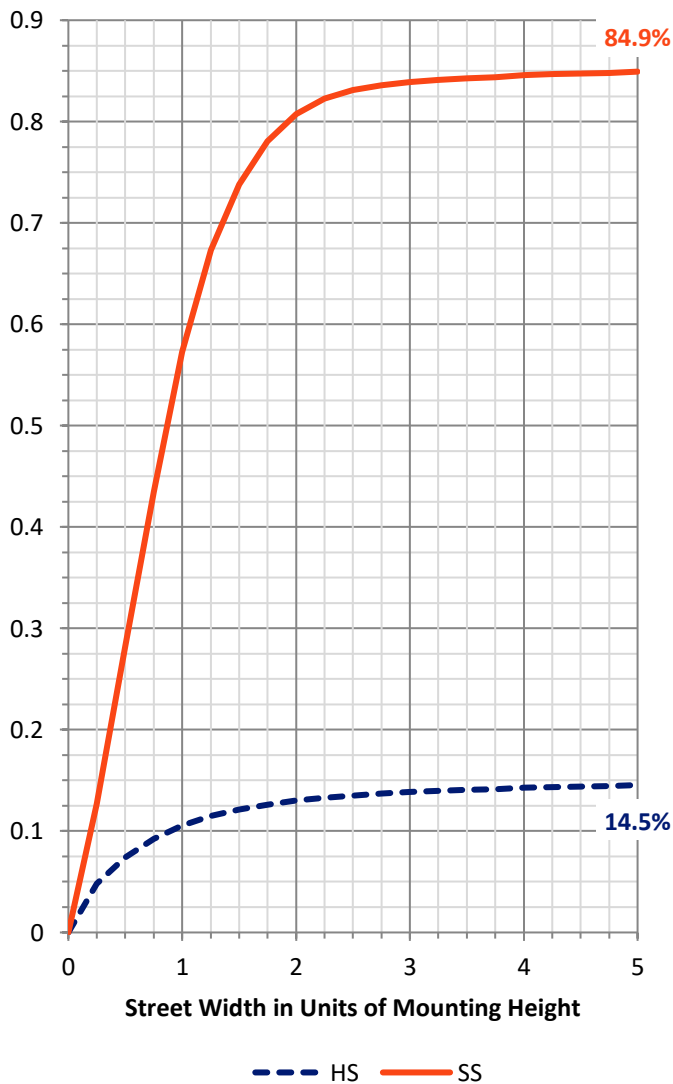
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	486.6	0.0	486.6
	% Fixture	14.8	0.0	14.8
<b>Street Side</b>	Lumens	2802.4	0.0	2802.4
	% Fixture	85.2	0.0	85.2
<b>Total</b>	Lumens	3289.0	0.0	3289.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.6	0.9
10°-20°	126.0	3.8
20°-30°	239.0	7.3
30°-40°	404.5	12.3
40°-50°	582.9	17.7
50°-60°	670.1	20.4
60°-70°	673.9	20.5
70°-80°	485.0	14.7
80°-90°	78.1	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°	3289.0	100.0
0°-180°	3289.0	100.0

**Coefficient of Utilization**

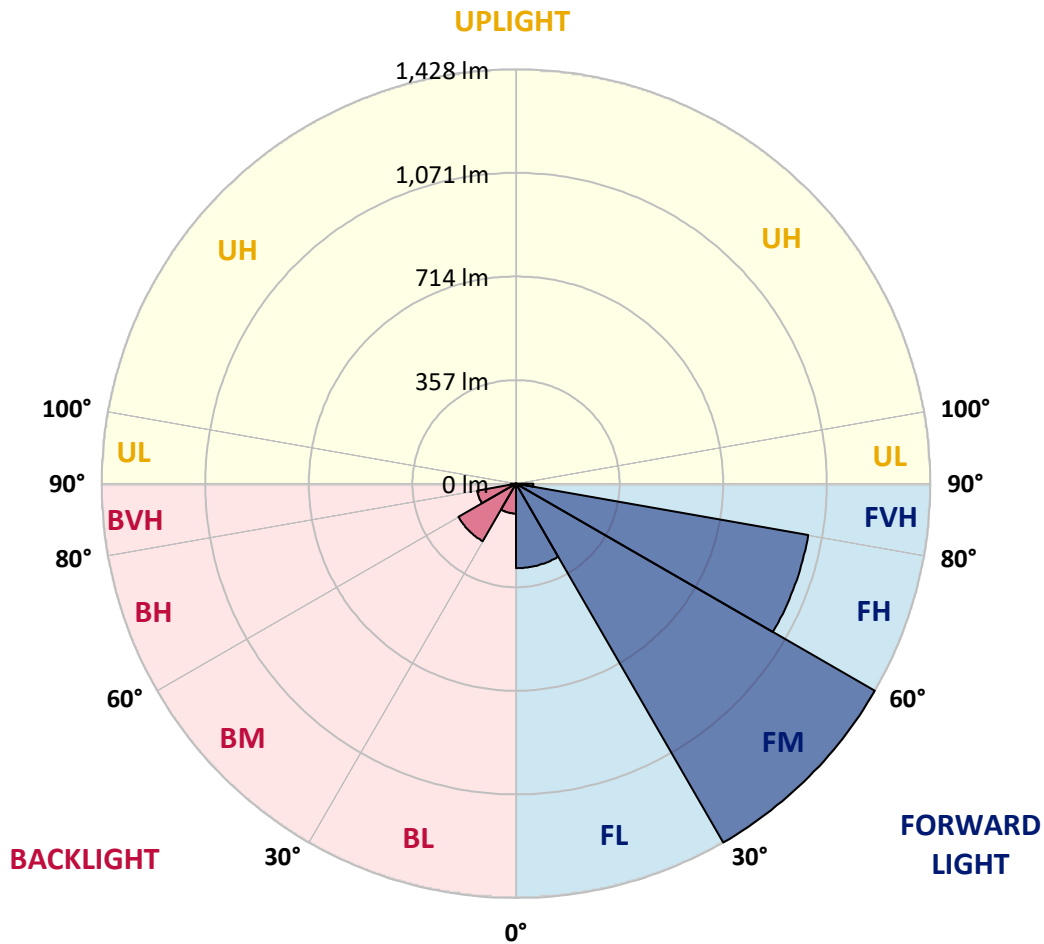


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.4	8.9			
FM (30°-60°)	1428.4	43.4			
FH (60°-80°)	1022.9	31.1			G1/1800
FVH (80°-90°)	59.7	1.8			G1/100
BL (0°-30°)	103.2	3.1	B0/110		
BM (30°-60°)	229.2	7.0	B1/1000		
BH (60°-80°)	135.9	4.1	B1/500		G1/500
BVH (80°-90°)	18.3	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°	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3
2.5°	297.7	288.0	281.6	275.1	263.9	257.4	244.6	225.3	217.2	217.2	210.8
5°	471.4	455.3	452.1	437.6	418.3	386.2	333.1	286.4	252.6	241.3	223.6
7.5°	540.6	548.7	543.8	537.4	522.9	497.2	465.0	382.9	304.1	288.0	249.4
10°	606.6	621.1	614.6	603.4	608.2	577.6	543.8	485.9	374.9	342.7	283.2
12.5°	659.7	662.9	674.2	677.4	687.0	664.5	630.7	563.1	456.9	408.7	320.2
15°	704.7	696.7	719.2	738.5	746.6	740.1	696.7	624.3	532.6	490.7	365.2
17.5°	698.3	693.5	709.6	754.6	782.0	799.7	770.7	693.5	593.7	555.1	418.3
20°	658.1	670.9	691.9	736.9	783.6	835.1	838.3	753.0	643.6	609.8	474.6
22.5°	667.7	664.5	683.8	725.6	786.8	836.7	875.3	825.4	691.9	656.5	521.3
25°	693.5	695.1	717.6	748.2	794.8	852.8	902.6	875.3	740.1	709.6	571.2
27.5°	783.6	777.1	773.9	782.0	819.0	881.7	926.8	920.3	791.6	764.3	627.5
30°	981.5	950.9	901.0	856.0	852.8	909.1	939.6	952.5	847.9	799.7	664.5
32.5°	1192.2	1195.5	1126.3	1010.4	897.8	950.9	981.5	967.0	910.7	865.6	706.3
35°	1303.3	1303.3	1290.4	1201.9	1045.8	996.0	1002.4	986.3	962.2	920.3	757.8
37.5°	1411.1	1404.6	1358.0	1304.9	1203.5	1074.8	1068.4	1008.8	1007.2	981.5	799.7
40°	1496.3	1473.8	1449.7	1385.3	1319.4	1203.5	1115.0	1063.5	1063.5	1041.0	839.9
42.5°	1522.1	1514.0	1478.6	1432.0	1383.7	1316.1	1205.1	1116.6	1139.2	1129.5	904.2
45°	1502.8	1481.9	1452.9	1438.4	1419.1	1378.9	1317.7	1176.2	1209.9	1192.2	968.6
47.5°	1417.5	1420.7	1395.0	1438.4	1441.6	1412.7	1446.5	1256.6	1284.0	1301.7	1036.2
50°	1296.8	1295.2	1314.5	1396.6	1417.5	1451.3	1512.4	1359.6	1378.9	1398.2	1124.7
52.5°	1098.9	1102.1	1169.7	1255.0	1374.1	1448.1	1597.7	1473.8	1499.6	1517.3	1240.5
55°	936.4	938.0	984.7	1107.0	1279.1	1425.5	1599.3	1591.3	1654.0	1683.0	1359.6
57.5°	875.3	880.1	891.4	973.4	1127.9	1385.3	1639.5	1674.9	1752.2	1811.7	1462.6
60°	796.4	788.4	822.2	893.0	1015.3	1304.9	1637.9	1732.9	1868.0	1930.8	1599.3
62.5°	651.6	645.2	688.6	796.4	950.9	1176.2	1654.0	1832.6	2003.2	2112.6	1734.5
65°	439.2	429.6	485.9	611.4	810.9	1094.1	1644.4	1901.8	2191.4	2310.5	1930.8
67.5°	231.7	230.1	276.7	397.4	616.2	957.3	1539.8	2012.8	2424.7	2564.7	2149.6
70°	127.1	127.1	146.4	202.7	362.0	720.8	1375.7	2016.0	2651.6	2841.4	2296.0
72.5°	106.2	107.8	111.0	119.1	180.2	439.2	1029.7	1858.4	2876.8	3061.9	2360.4
75°	93.3	93.3	94.9	96.5	111.0	218.8	656.5	1610.6	2978.2	3015.2	2178.5
77.5°	78.8	77.2	78.8	80.4	88.5	140.0	315.4	1224.4	2641.9	2535.7	1506.0
80°	64.4	66.0	66.0	66.0	74.0	107.8	127.1	761.0	1618.6	1419.1	674.2
82.5°	46.7	48.3	51.5	53.1	66.0	74.0	67.6	349.1	598.5	466.6	194.7
85°	20.9	22.5	33.8	33.8	48.3	35.4	37.0	125.5	188.2	160.9	57.9
87.5°	1.6	1.6	12.9	12.9	19.3	11.3	14.5	37.0	64.4	61.1	16.1
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°	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3
2.5°	207.6	205.9	201.1	201.1	197.9	197.9	196.3	196.3	196.3	193.1	191.5
5°	217.2	212.4	207.6	202.7	201.1	199.5	201.1	202.7	201.1	197.9	197.9
7.5°	233.3	223.6	215.6	209.2	209.2	207.6	207.6	207.6	207.6	209.2	207.6
10°	252.6	239.7	223.6	218.8	215.6	218.8	217.2	215.6	215.6	215.6	215.6
12.5°	276.7	259.0	234.9	230.1	230.1	226.9	225.3	226.9	223.6	218.8	222.0
15°	307.3	281.6	252.6	246.2	241.3	236.5	231.7	228.5	228.5	223.6	226.9
17.5°	345.9	302.5	270.3	257.4	254.2	244.6	236.5	231.7	226.9	225.3	225.3
20°	381.3	326.6	281.6	268.7	255.8	246.2	238.1	228.5	222.0	218.8	220.4
22.5°	416.7	349.1	297.7	273.5	254.2	241.3	231.7	223.6	217.2	212.4	212.4
25°	452.1	368.5	304.1	273.5	252.6	234.9	223.6	217.2	209.2	202.7	202.7
27.5°	485.9	389.4	307.3	268.7	243.0	226.9	214.0	207.6	199.5	193.1	193.1
30°	524.5	402.2	302.5	259.0	231.7	215.6	205.9	196.3	191.5	183.4	183.4
32.5°	547.0	408.7	296.1	244.6	220.4	205.9	196.3	189.9	185.0	180.2	177.0
35°	571.2	408.7	283.2	228.5	207.6	194.7	191.5	188.2	185.0	173.8	170.6
37.5°	592.1	400.6	262.3	214.0	196.3	189.9	191.5	188.2	180.2	167.3	164.1
40°	616.2	391.0	239.7	197.9	183.4	189.9	196.3	183.4	160.9	152.9	149.6
42.5°	645.2	382.9	218.8	185.0	178.6	189.9	194.7	167.3	156.1	144.8	144.8
45°	667.7	366.8	201.1	173.8	173.8	183.4	186.6	160.9	152.9	143.2	143.2
47.5°	701.5	345.9	186.6	164.1	168.9	175.4	165.7	159.3	148.0	141.6	140.0
50°	754.6	323.4	173.8	156.1	164.1	170.6	156.1	152.9	143.2	135.2	135.2
52.5°	799.7	300.9	165.7	154.5	160.9	160.9	149.6	143.2	138.4	130.3	127.1
55°	836.7	270.3	152.9	149.6	160.9	143.2	140.0	138.4	136.8	125.5	123.9
57.5°	862.4	243.0	148.0	151.2	157.7	136.8	136.8	135.2	130.3	123.9	122.3
60°	864.0	226.9	146.4	151.2	154.5	130.3	133.5	131.9	127.1	123.9	122.3
62.5°	872.1	215.6	144.8	149.6	148.0	122.3	127.1	128.7	122.3	120.7	120.7
65°	899.4	205.9	144.8	152.9	135.2	119.1	120.7	120.7	117.5	119.1	119.1
67.5°	920.3	196.3	141.6	157.7	127.1	114.2	115.8	114.2	112.6	115.8	115.8
70°	872.1	178.6	131.9	152.9	125.5	107.8	107.8	107.8	104.6	112.6	111.0
72.5°	765.9	160.9	115.8	141.6	123.9	101.4	101.4	98.1	96.5	106.2	99.8
75°	574.4	133.5	94.9	114.2	117.5	98.1	93.3	88.5	82.1	83.7	80.4
77.5°	341.1	101.4	74.0	86.9	98.1	94.9	86.9	77.2	67.6	67.6	66.0
80°	170.6	67.6	57.9	66.0	72.4	91.7	75.6	64.4	53.1	53.1	49.9
82.5°	83.7	43.4	40.2	49.9	45.1	82.1	64.4	49.9	38.6	51.5	54.7
85°	37.0	27.4	25.7	30.6	25.7	56.3	48.3	30.6	33.8	35.4	25.7
87.5°	11.3	11.3	9.7	8.0	8.0	14.5	24.1	8.0	22.5	4.8	3.2
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)