

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: P565293

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T4W**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565293  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-AMB-U-T4W  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T4W distribution lens  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

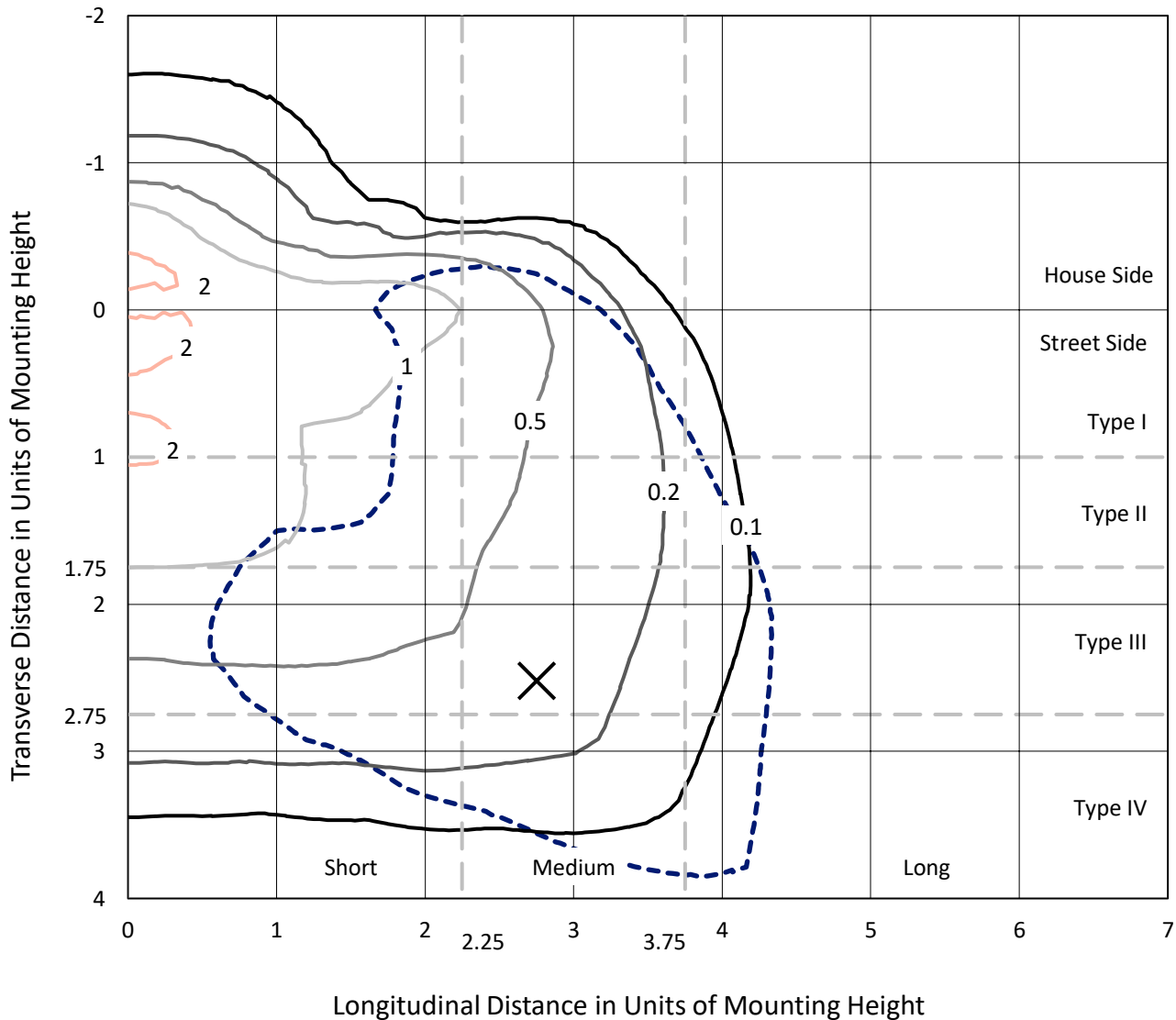
Lumens per Lamp: N/A  
Luminaire Lumens: 2218.5 lumens  
Efficiency: N/A  
Efficacy: 53.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.2  
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

REPORT NUMBER: P565293  
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

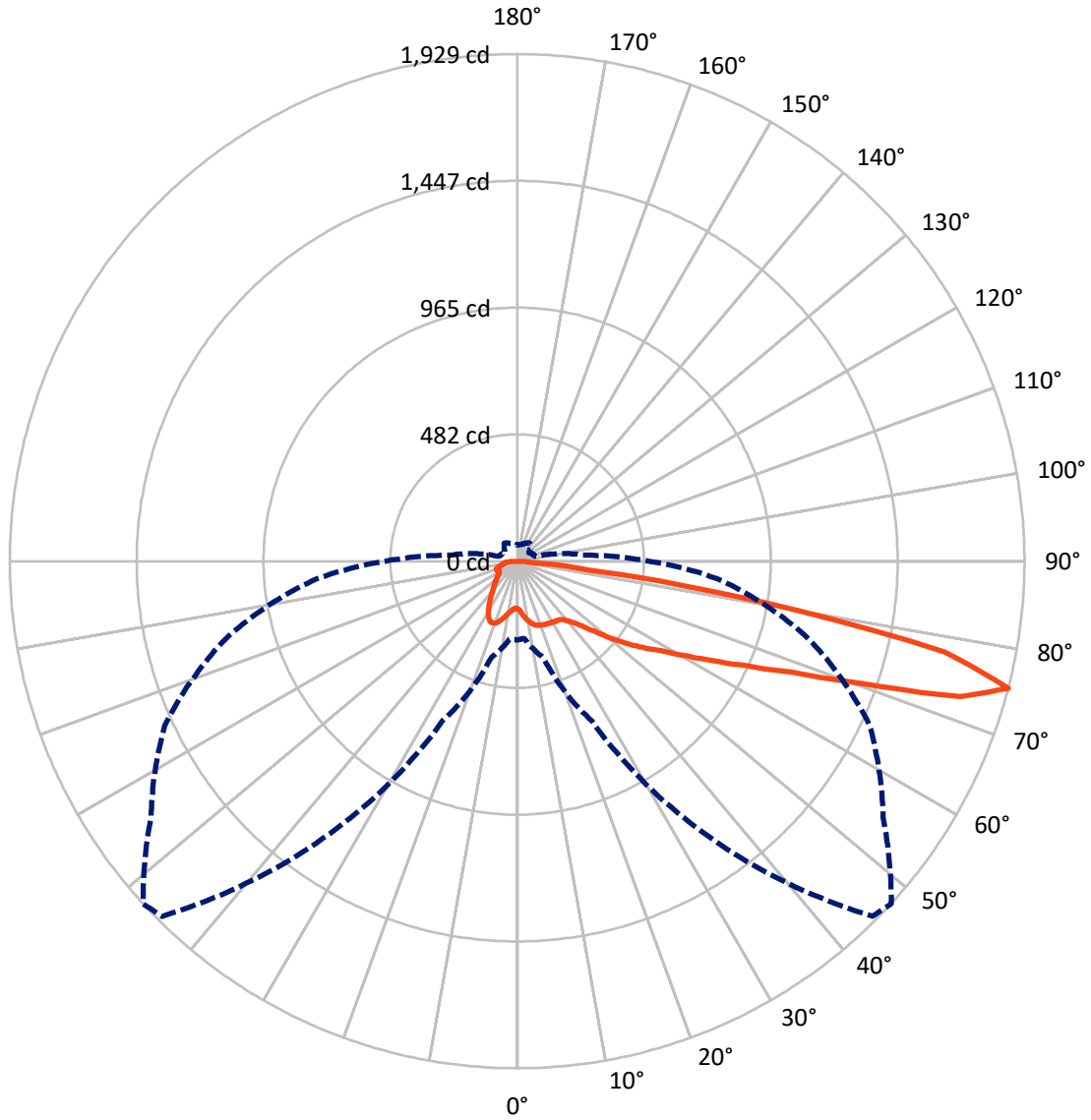
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P565293  
CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T4W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P565293  
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T4W

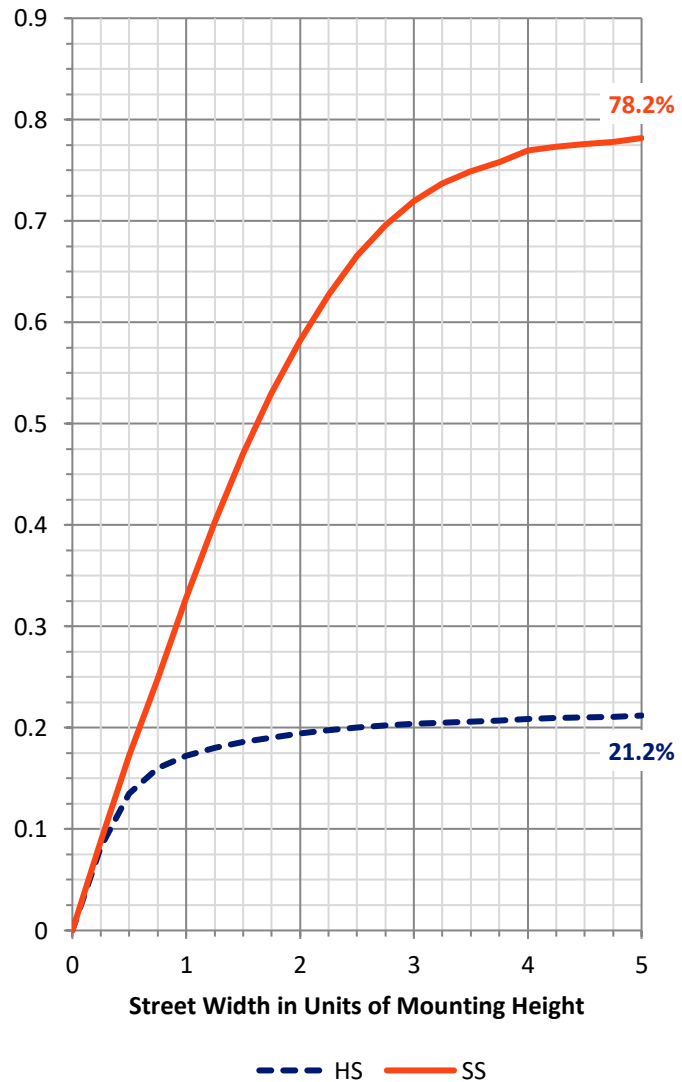
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	481.5	0.0	481.5
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1737.0	0.0	1737.0
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	2218.5	0.0	2218.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.2	0.9
10°-20°	68.1	3.1
20°-30°	116.7	5.3
30°-40°	162.1	7.3
40°-50°	235.2	10.6
50°-60°	372.0	16.8
60°-70°	623.0	28.1
70°-80°	557.8	25.1
80°-90°	64.3	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°	2218.5	100.0
0°-180°	2218.5	100.0

**Coefficient of Utilization**

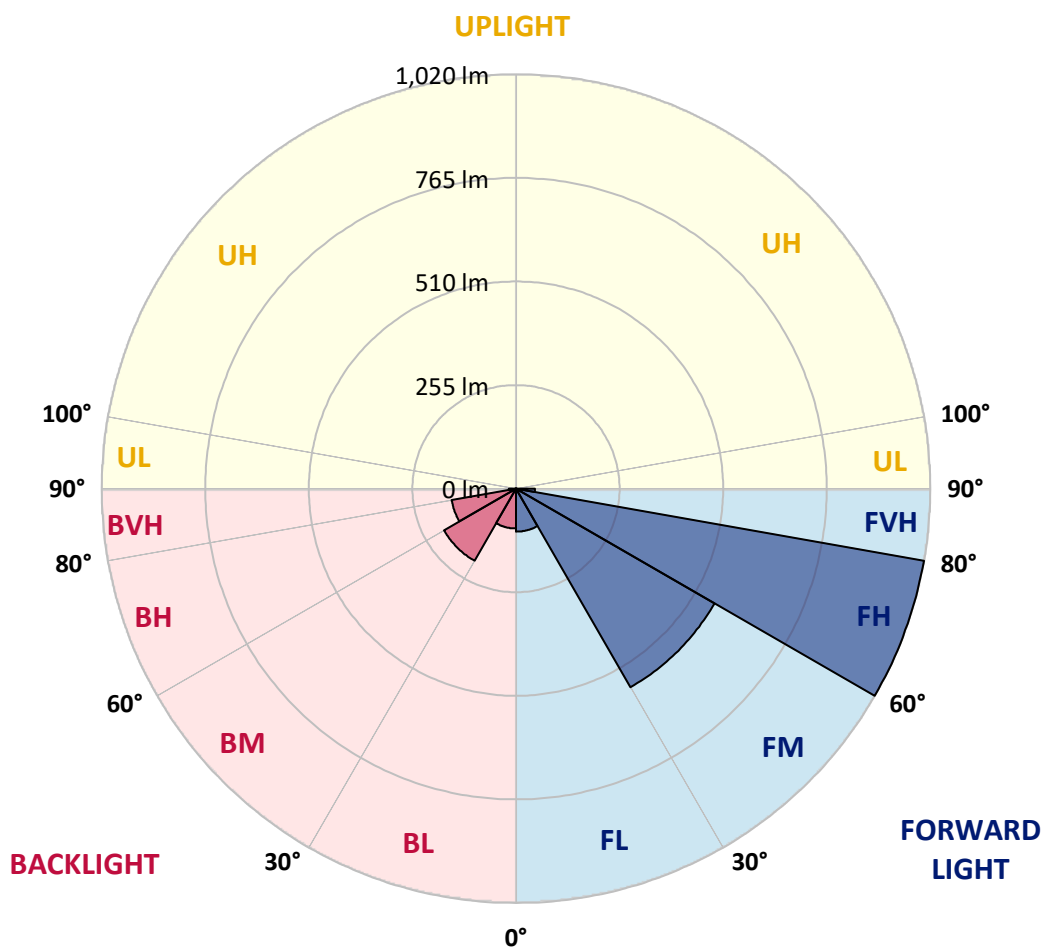


REPORT NUMBER: P565293  
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T4W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.0	4.8			
FM (30°-60°)	564.5	25.4			
FH (60°-80°)	1019.9	46.0			G1/1800
FVH (80°-90°)	46.6	2.1			G1/100
BL (0°-30°)	98.1	4.4	B0/110		
BM (30°-60°)	204.8	9.2	B0/220		
BH (60°-80°)	160.9	7.3	B1/500		G1/500
BVH (80°-90°)	17.7	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-G1**  
 Type IV Medium





REPORT NUMBER: P565293  
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	195.2	192.9	191.8	190.7	189.6	187.3	187.3	186.2	185.1	182.9	181.8
5°	220.8	217.5	215.2	213.0	208.5	204.1	201.8	197.4	192.9	187.3	184.0
7.5°	242.0	240.9	237.5	233.1	226.4	219.7	217.5	211.9	205.2	196.3	190.7
10°	258.7	257.6	253.1	247.6	239.8	233.1	230.8	226.4	218.6	208.5	200.7
12.5°	273.2	272.1	266.5	258.7	249.8	244.2	242.0	238.6	230.8	221.9	211.9
15°	281.0	279.9	275.4	265.4	256.5	252.0	250.9	248.7	243.1	234.2	223.0
17.5°	278.8	278.8	274.3	265.4	258.7	257.6	256.5	256.5	252.0	245.3	233.1
20°	268.8	267.6	267.6	259.8	257.6	259.8	259.8	262.1	259.8	255.4	243.1
22.5°	259.8	258.7	258.7	254.3	255.4	260.9	262.1	265.4	265.4	262.1	249.8
25°	256.5	254.3	255.4	250.9	254.3	263.2	264.3	268.8	268.8	265.4	254.3
27.5°	256.5	254.3	255.4	250.9	255.4	264.3	266.5	272.1	271.0	265.4	256.5
30°	262.1	259.8	259.8	254.3	258.7	267.6	268.8	274.3	273.2	268.8	262.1
32.5°	301.1	297.7	282.1	264.3	264.3	271.0	272.1	277.7	279.9	274.3	269.9
35°	362.4	360.2	336.8	295.5	275.4	274.3	274.3	284.4	291.1	284.4	277.7
37.5°	441.6	432.7	402.6	347.9	303.3	283.2	282.1	293.3	305.6	298.9	287.7
40°	508.5	501.8	469.5	409.3	341.2	303.3	298.9	306.7	321.2	313.4	303.3
42.5°	560.9	555.3	536.4	475.1	388.1	330.1	321.2	321.2	337.9	331.2	320.0
45°	601.1	600.0	589.9	535.3	440.5	370.2	356.8	342.4	360.2	356.8	342.4
47.5°	621.1	620.0	630.1	586.6	498.5	422.6	401.5	372.5	391.4	391.4	376.9
50°	639.0	642.3	660.2	641.2	565.4	485.1	458.3	412.6	433.8	441.6	421.5
52.5°	668.0	679.1	695.9	694.7	645.7	552.0	518.5	459.4	489.6	508.5	489.6
55°	726.0	724.9	736.0	756.1	731.5	621.1	581.0	519.7	568.7	600.0	581.0
57.5°	761.7	761.7	785.1	827.4	831.9	695.9	643.4	597.7	670.2	709.2	703.7
60°	817.4	817.4	848.6	906.6	931.2	777.3	728.2	692.5	789.5	835.3	869.8
62.5°	847.5	853.1	905.5	978.0	1009.2	876.5	831.9	819.6	925.6	976.9	1072.8
65°	837.5	847.5	956.8	1037.1	1106.2	995.8	960.1	953.5	1067.2	1120.7	1289.1
67.5°	853.1	859.8	982.5	1119.6	1224.4	1152.0	1124.1	1114.0	1220.0	1233.4	1448.6
70°	808.5	810.7	921.1	1172.0	1406.2	1431.9	1392.8	1339.3	1379.4	1322.6	1480.9
72.5°	642.3	642.3	742.7	1039.3	1466.4	1784.2	1761.9	1599.1	1506.6	1320.3	1241.2
75°	300.0	294.4	378.0	671.3	1288.0	1910.3	1929.2	1699.5	1478.7	1149.7	763.9
77.5°	78.1	76.9	113.7	248.7	717.0	1583.5	1663.8	1383.9	1126.3	682.5	283.2
80°	41.3	41.3	53.5	78.1	248.7	840.8	941.2	729.3	509.6	243.1	89.2
82.5°	20.1	21.2	34.6	49.1	111.5	230.8	279.9	244.2	155.0	94.8	54.6
85°	8.9	10.0	17.8	29.0	65.8	50.2	53.5	71.4	89.2	68.0	30.1
87.5°	3.3	3.3	5.6	8.9	23.4	16.7	16.7	29.0	51.3	42.4	12.3
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: P565293  
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	181.8	180.7	179.5	179.5	178.4	178.4	178.4	179.5	179.5	179.5	179.5
5°	182.9	181.8	180.7	180.7	181.8	184.0	185.1	187.3	188.5	189.6	190.7
7.5°	189.6	187.3	186.2	186.2	188.5	191.8	194.0	197.4	200.7	203.0	204.1
10°	198.5	196.3	194.0	196.3	198.5	201.8	206.3	209.6	213.0	215.2	217.5
12.5°	208.5	205.2	204.1	206.3	210.8	215.2	219.7	223.0	226.4	229.7	230.8
15°	218.6	216.3	215.2	218.6	224.1	229.7	234.2	237.5	239.8	243.1	243.1
17.5°	229.7	227.5	226.4	230.8	237.5	242.0	245.3	246.4	246.4	248.7	248.7
20°	238.6	236.4	236.4	242.0	247.6	250.9	249.8	248.7	246.4	248.7	248.7
22.5°	246.4	244.2	244.2	249.8	254.3	253.1	248.7	245.3	243.1	245.3	245.3
25°	250.9	250.9	253.1	255.4	253.1	249.8	244.2	242.0	238.6	239.8	240.9
27.5°	254.3	256.5	259.8	256.5	245.3	237.5	233.1	233.1	230.8	232.0	235.3
30°	262.1	264.3	265.4	253.1	232.0	219.7	214.1	217.5	221.9	223.0	226.4
32.5°	271.0	275.4	271.0	245.3	215.2	198.5	192.9	200.7	210.8	215.2	220.8
35°	281.0	288.8	275.4	236.4	198.5	176.2	174.0	180.7	189.6	197.4	204.1
37.5°	295.5	305.6	282.1	224.1	178.4	158.4	153.9	156.1	159.5	163.9	167.3
40°	312.2	324.5	287.7	207.4	156.1	142.7	136.0	130.5	128.2	126.0	128.2
42.5°	333.4	349.0	293.3	188.5	142.7	130.5	119.3	112.6	108.2	101.5	101.5
45°	359.1	378.0	295.5	169.5	132.7	118.2	107.1	101.5	94.8	85.9	85.9
47.5°	394.8	420.4	294.4	150.5	122.7	107.1	99.2	92.6	84.8	78.1	78.1
50°	447.2	467.2	287.7	130.5	110.4	99.2	92.6	84.8	76.9	73.6	72.5
52.5°	527.5	528.6	273.2	112.6	100.4	92.6	85.9	79.2	73.6	71.4	70.3
55°	654.6	616.7	246.4	98.1	91.4	87.0	82.5	76.9	71.4	69.1	68.0
57.5°	818.5	748.3	233.1	89.2	81.4	81.4	80.3	75.8	70.3	66.9	65.8
60°	1052.7	913.3	219.7	83.6	74.7	79.2	79.2	75.8	70.3	70.3	69.1
62.5°	1276.9	1082.8	177.3	80.3	71.4	79.2	84.8	83.6	83.6	89.2	89.2
65°	1457.5	1187.6	129.4	78.1	70.3	83.6	93.7	93.7	84.8	88.1	85.9
67.5°	1504.3	1184.3	97.0	75.8	69.1	91.4	103.7	91.4	78.1	80.3	78.1
70°	1343.8	982.5	87.0	73.6	68.0	91.4	100.4	87.0	74.7	76.9	71.4
72.5°	974.6	615.6	78.1	70.3	62.4	82.5	92.6	81.4	70.3	69.1	63.6
75°	502.9	257.6	70.3	64.7	54.6	70.3	84.8	75.8	65.8	63.6	61.3
77.5°	163.9	99.2	63.6	59.1	48.0	62.4	78.1	70.3	60.2	55.8	54.6
80°	71.4	66.9	54.6	52.4	41.3	53.5	72.5	64.7	53.5	48.0	46.8
82.5°	50.2	45.7	43.5	42.4	34.6	52.4	72.5	63.6	50.2	49.1	40.1
85°	27.9	26.8	30.1	27.9	24.5	43.5	54.6	43.5	31.2	25.6	25.6
87.5°	10.0	12.3	14.5	13.4	12.3	22.3	29.0	24.5	16.7	13.4	13.4
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)