

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: P565253

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T2**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565253  
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-T2  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T2 distribution lens  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

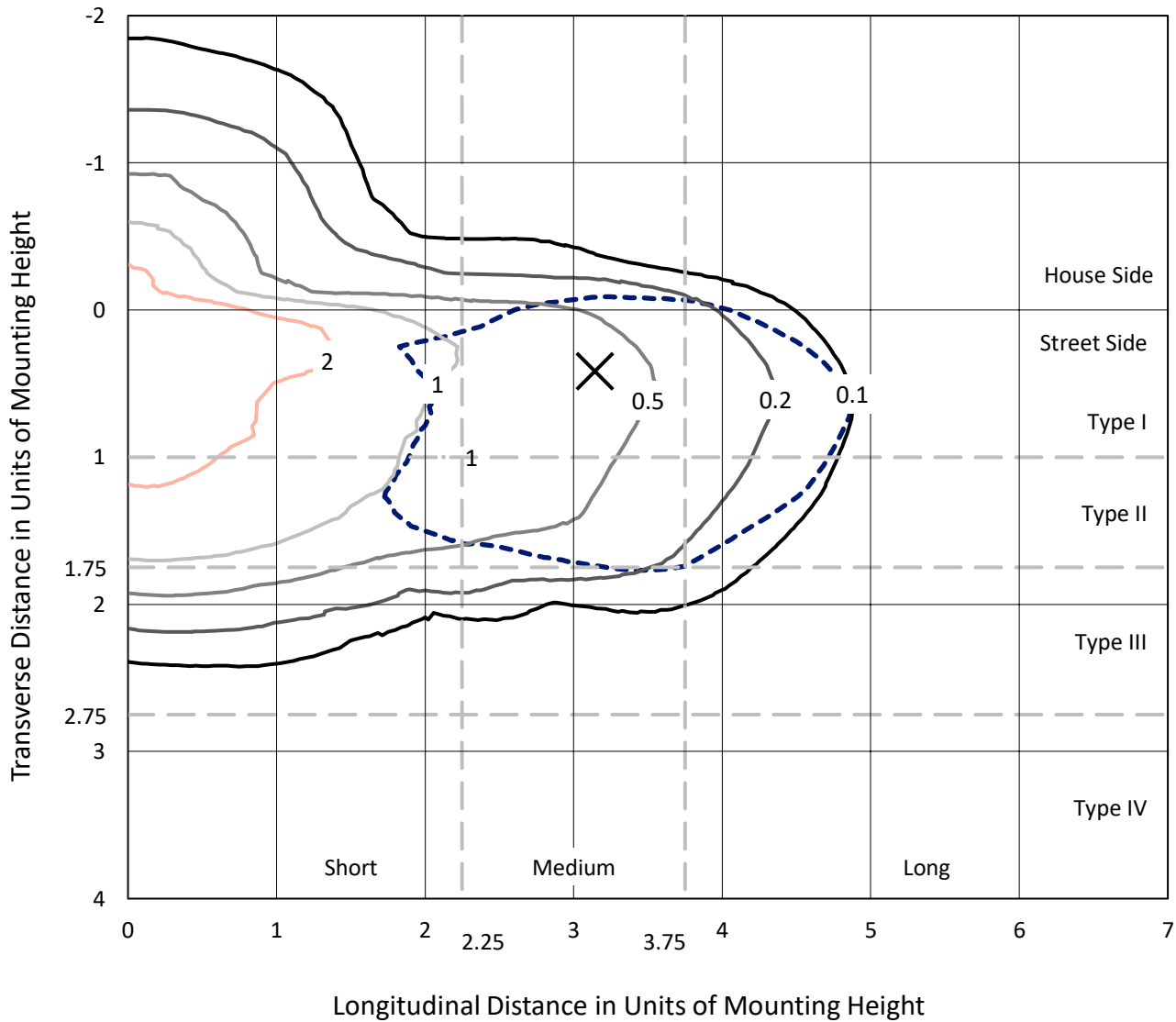
Lumens per Lamp: N/A  
Luminaire Lumens: 2191.5 lumens  
Efficiency: N/A  
Efficacy: 53.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

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### Iso-Footcandle Lines of Horizontal Illumination

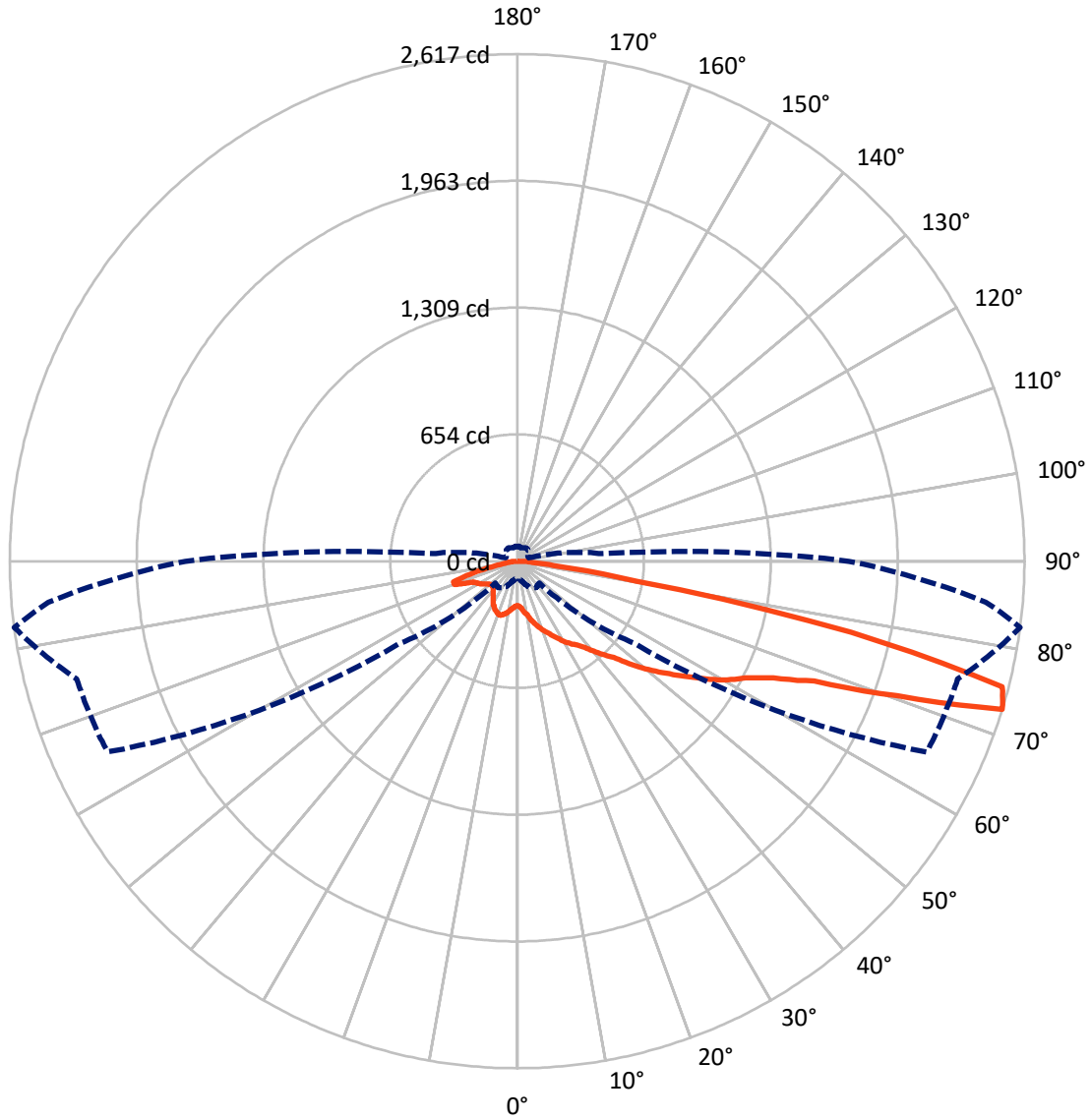
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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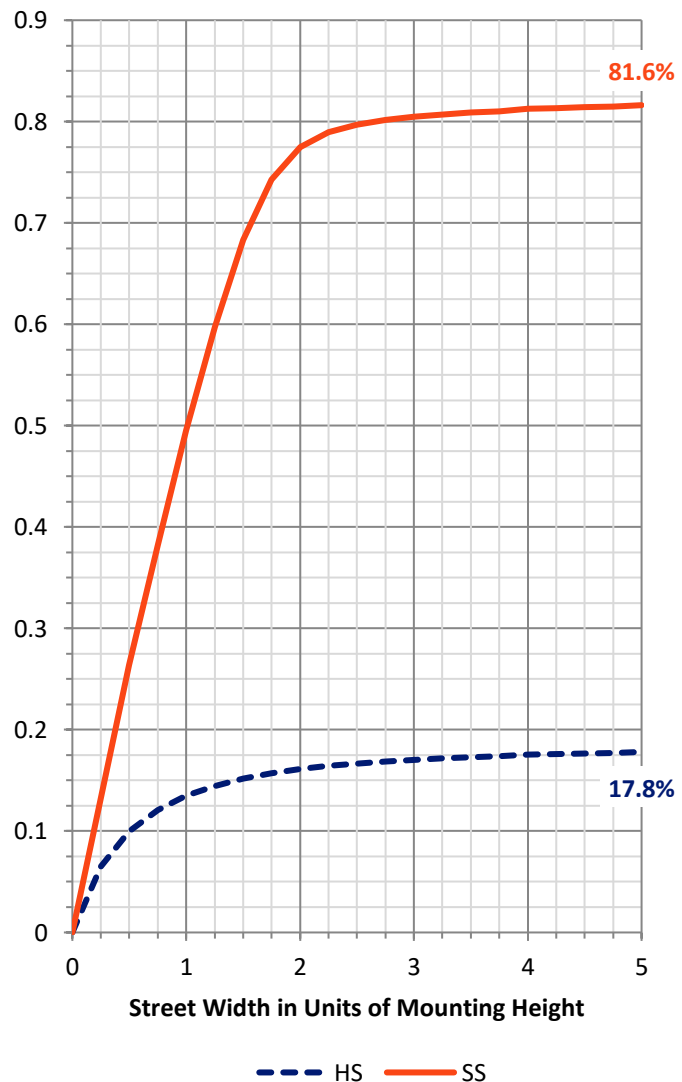
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	397.3	0.0	397.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	1794.1	0.0	1794.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	2191.5	0.0	2191.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.7	1.1
10°-20°	77.1	3.5
20°-30°	131.6	6.0
30°-40°	196.4	9.0
40°-50°	306.9	14.0
50°-60°	452.1	20.6
60°-70°	526.9	24.0
70°-80°	428.5	19.6
80°-90°	48.3	2.2
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°	2191.5	100.0
0°-180°	2191.5	100.0

**Coefficient of Utilization**

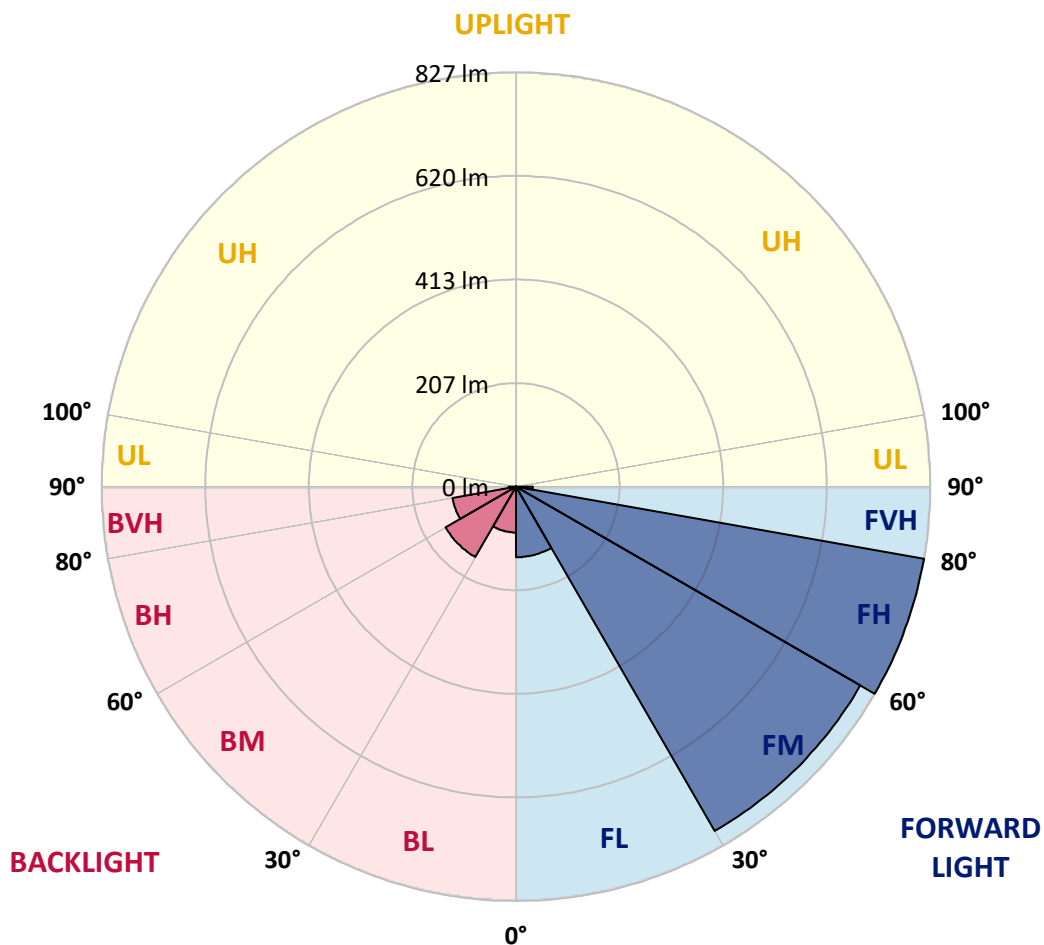


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.8	6.4			
FM (30°-60°)	793.2	36.2			
FH (60°-80°)	826.6	37.7			G1/1800
FVH (80°-90°)	33.5	1.5			G1/100
BL (0°-30°)	91.5	4.2	B0/110		
BM (30°-60°)	162.2	7.4	B0/220		
BH (60°-80°)	128.8	5.9	B1/500		G1/500
BVH (80°-90°)	14.8	0.7			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°	82.5°	85°
0°	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2
2.5°	246.7	248.9	247.8	246.7	246.7	244.5	242.3	241.2	239.0	234.7	235.8
5°	259.8	262.0	264.1	262.0	263.1	263.1	262.0	254.3	250.0	245.6	245.6
7.5°	260.9	263.1	265.2	270.7	274.0	276.2	278.3	275.1	266.3	265.2	262.0
10°	269.6	269.6	270.7	276.2	283.8	289.2	299.1	299.1	288.2	280.5	282.7
12.5°	275.1	272.9	278.3	283.8	292.5	303.4	315.4	316.5	313.3	308.9	305.6
15°	264.1	265.2	271.8	282.7	305.6	316.5	332.9	342.7	343.8	331.8	325.3
17.5°	257.6	259.8	267.4	277.2	299.1	324.2	350.4	371.1	373.3	355.8	353.6
20°	264.1	264.1	265.2	278.3	299.1	327.5	363.5	386.4	402.8	379.8	374.4
22.5°	278.3	277.2	280.5	283.8	298.0	328.5	374.4	404.9	420.2	401.7	389.7
25°	301.3	305.6	303.4	304.5	313.3	331.8	379.8	425.7	448.6	426.8	411.5
27.5°	328.5	330.7	335.1	334.0	335.1	350.4	394.0	447.5	485.7	453.0	432.2
30°	354.7	362.4	364.6	367.8	366.7	370.0	402.8	467.2	513.0	481.4	451.9
32.5°	383.1	384.2	399.5	394.0	395.1	398.4	422.4	479.2	537.0	508.6	478.1
35°	436.6	438.8	439.9	433.3	433.3	425.7	448.6	493.4	568.7	530.5	505.4
37.5°	504.3	518.5	509.7	477.0	465.0	458.4	462.8	510.8	608.0	566.5	531.6
40°	575.2	576.3	570.9	541.4	510.8	502.1	497.7	537.0	645.1	611.2	576.3
42.5°	627.6	632.0	635.3	605.8	568.7	554.5	542.5	571.9	702.9	661.5	621.1
45°	662.5	675.6	675.6	665.8	633.1	629.8	592.7	613.4	751.0	714.9	674.5
47.5°	702.9	724.8	717.1	706.2	680.0	688.7	635.3	656.0	811.0	799.0	741.1
50°	741.1	756.4	764.1	748.8	731.3	764.1	680.0	702.9	888.5	879.8	795.7
52.5°	804.4	820.8	825.2	800.1	781.5	823.0	721.5	757.5	955.1	960.5	864.5
55°	854.6	874.3	905.9	884.1	879.8	833.9	752.0	827.4	1022.7	1048.9	955.1
57.5°	838.3	868.8	924.5	955.1	1002.0	916.9	785.9	918.0	1082.8	1146.1	1040.2
60°	733.5	760.8	830.6	937.6	1036.9	1047.8	869.9	982.4	1148.3	1245.4	1117.7
62.5°	504.3	542.5	645.1	809.9	988.9	1119.9	1079.5	1078.4	1208.3	1324.0	1214.8
65°	270.7	296.9	356.9	492.3	768.4	1099.1	1316.4	1270.5	1273.8	1452.8	1325.1
67.5°	162.6	172.5	210.7	278.3	407.1	827.4	1461.5	1784.6	1435.3	1652.5	1505.2
70°	119.0	122.2	152.8	195.4	219.4	373.3	1336.0	2239.8	1849.0	2080.4	1962.5
72.5°	86.2	89.5	110.2	147.4	168.1	160.5	744.4	2331.4	2352.2	2617.4	2428.6
75°	67.7	68.8	78.6	112.4	133.2	112.4	231.4	1777.0	2347.8	2585.8	2377.3
77.5°	54.6	54.6	61.1	83.0	103.7	87.3	103.7	892.8	1485.5	1761.7	1557.6
80°	43.7	44.8	48.0	54.6	74.2	63.3	76.4	282.7	590.5	625.4	508.6
82.5°	34.9	34.9	37.1	39.3	54.6	42.6	51.3	124.4	222.7	188.8	148.4
85°	17.5	17.5	34.9	31.7	33.8	27.3	27.3	81.9	117.9	77.5	61.1
87.5°	4.4	4.4	8.7	13.1	16.4	12.0	10.9	31.7	53.5	30.6	20.7
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°	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2
2.5°	235.8	232.5	230.3	229.2	227.0	224.8	222.7	221.6	222.7	221.6	218.3
5°	244.5	241.2	239.0	234.7	229.2	227.0	227.0	225.9	223.8	222.7	221.6
7.5°	256.5	252.1	244.5	236.9	233.6	227.0	223.8	222.7	222.7	219.4	219.4
10°	274.0	266.3	252.1	239.0	230.3	221.6	219.4	218.3	219.4	216.1	220.5
12.5°	294.7	281.6	255.4	232.5	221.6	218.3	220.5	222.7	225.9	224.8	225.9
15°	312.2	295.8	251.0	221.6	216.1	219.4	223.8	227.0	231.4	231.4	229.2
17.5°	332.9	308.9	242.3	212.8	210.7	216.1	223.8	228.1	230.3	232.5	234.7
20°	350.4	312.2	229.2	201.9	206.3	210.7	217.2	225.9	230.3	233.6	234.7
22.5°	362.4	304.5	211.8	191.0	195.4	195.4	204.1	216.1	225.9	231.4	229.2
25°	372.2	303.4	194.3	182.3	183.4	181.2	189.9	201.9	209.6	216.1	215.0
27.5°	387.5	287.1	182.3	171.4	165.9	168.1	176.8	183.4	185.6	188.8	192.1
30°	392.9	279.4	170.3	156.1	152.8	153.9	158.3	160.5	159.4	157.2	161.5
32.5°	402.8	257.6	158.3	144.1	141.9	143.0	143.0	141.9	140.8	137.5	139.7
35°	412.6	242.3	150.6	136.4	135.3	136.4	134.3	132.1	128.8	125.5	126.6
37.5°	420.2	225.9	143.0	131.0	133.2	131.0	128.8	126.6	128.8	123.3	123.3
40°	430.1	215.0	135.3	127.7	131.0	129.9	124.4	123.3	139.7	141.9	143.0
42.5°	439.9	201.9	126.6	128.8	128.8	126.6	121.2	119.0	137.5	126.6	126.6
45°	460.6	199.7	123.3	126.6	127.7	124.4	122.2	120.1	123.3	109.2	109.2
47.5°	490.1	198.7	124.4	123.3	124.4	125.5	123.3	115.7	112.4	99.3	98.2
50°	525.0	204.1	125.5	119.0	123.3	124.4	116.8	109.2	104.8	98.2	97.1
52.5°	571.9	211.8	128.8	114.6	120.1	120.1	113.5	107.0	100.4	96.1	95.0
55°	627.6	227.0	127.7	107.0	112.4	117.9	112.4	101.5	99.3	97.1	97.1
57.5°	692.0	246.7	126.6	100.4	105.9	114.6	109.2	100.4	96.1	96.1	96.1
60°	753.1	263.1	121.2	90.6	99.3	112.4	107.0	99.3	93.9	93.9	92.8
62.5°	814.3	280.5	110.2	84.0	91.7	105.9	103.7	95.0	89.5	92.8	91.7
65°	903.8	301.3	95.0	76.4	85.1	100.4	99.3	90.6	85.1	92.8	92.8
67.5°	1083.9	361.3	80.8	72.0	78.6	93.9	93.9	86.2	81.9	92.8	90.6
70°	1434.2	435.5	72.0	67.7	73.1	86.2	88.4	81.9	77.5	88.4	84.0
72.5°	1712.6	439.9	63.3	61.1	66.6	79.7	81.9	77.5	72.0	77.5	74.2
75°	1563.0	319.8	55.7	54.6	57.8	70.9	75.3	72.0	64.4	66.6	64.4
77.5°	952.9	189.9	48.0	48.0	50.2	63.3	65.5	62.2	56.8	56.8	54.6
80°	278.3	80.8	40.4	40.4	41.5	53.5	54.6	52.4	46.9	45.8	45.8
82.5°	89.5	49.1	33.8	31.7	30.6	43.7	48.0	44.8	39.3	37.1	36.0
85°	43.7	30.6	24.0	21.8	21.8	34.9	36.0	29.5	24.0	21.8	21.8
87.5°	14.2	13.1	12.0	8.7	8.7	16.4	17.5	13.1	10.9	8.7	8.7
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)