

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: P565294

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T4W**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565294  
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-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**

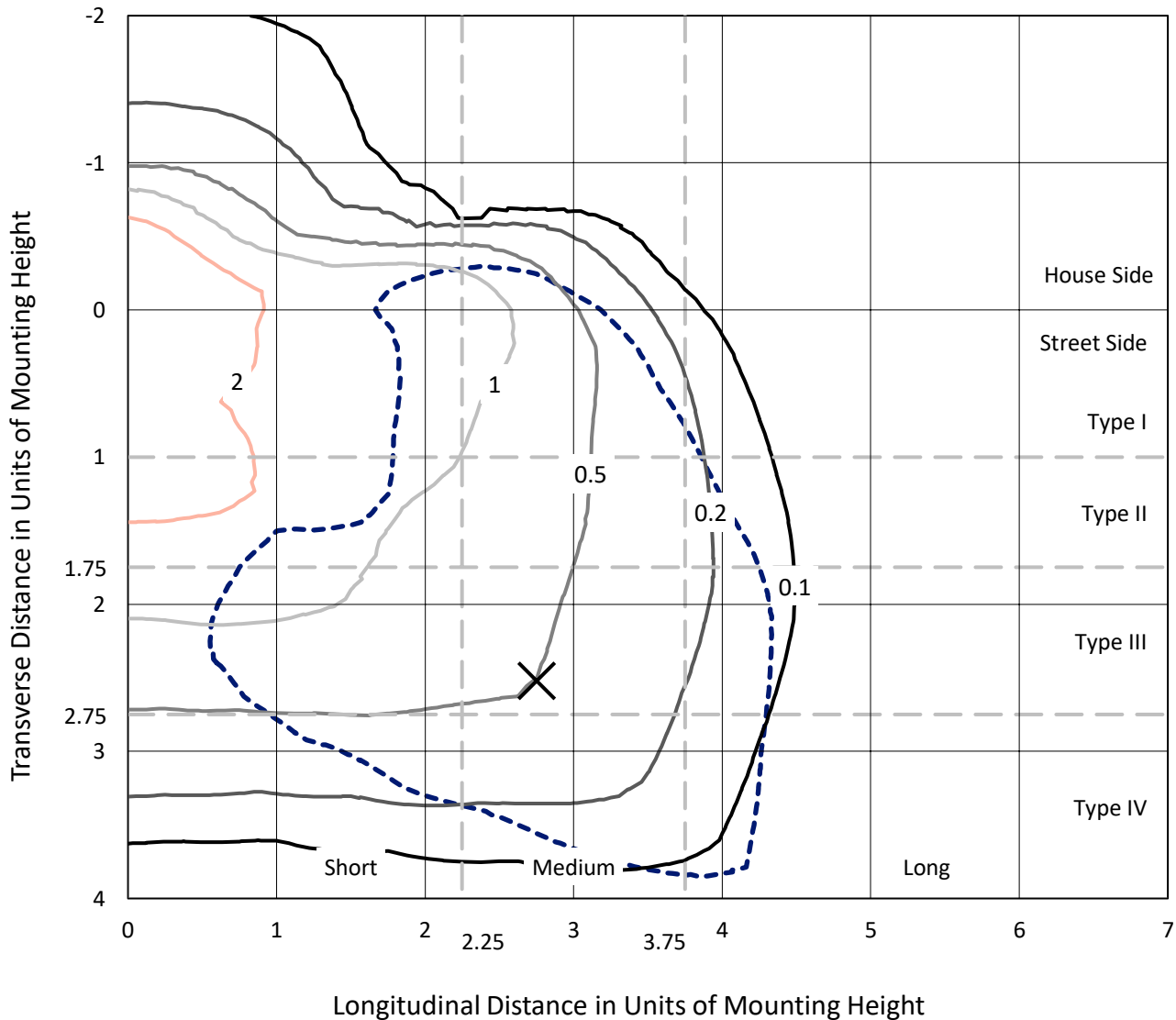
Lumens per Lamp: N/A  
Luminaire Lumens: 3306.2 lumens  
Efficiency: N/A  
Efficacy: 54.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

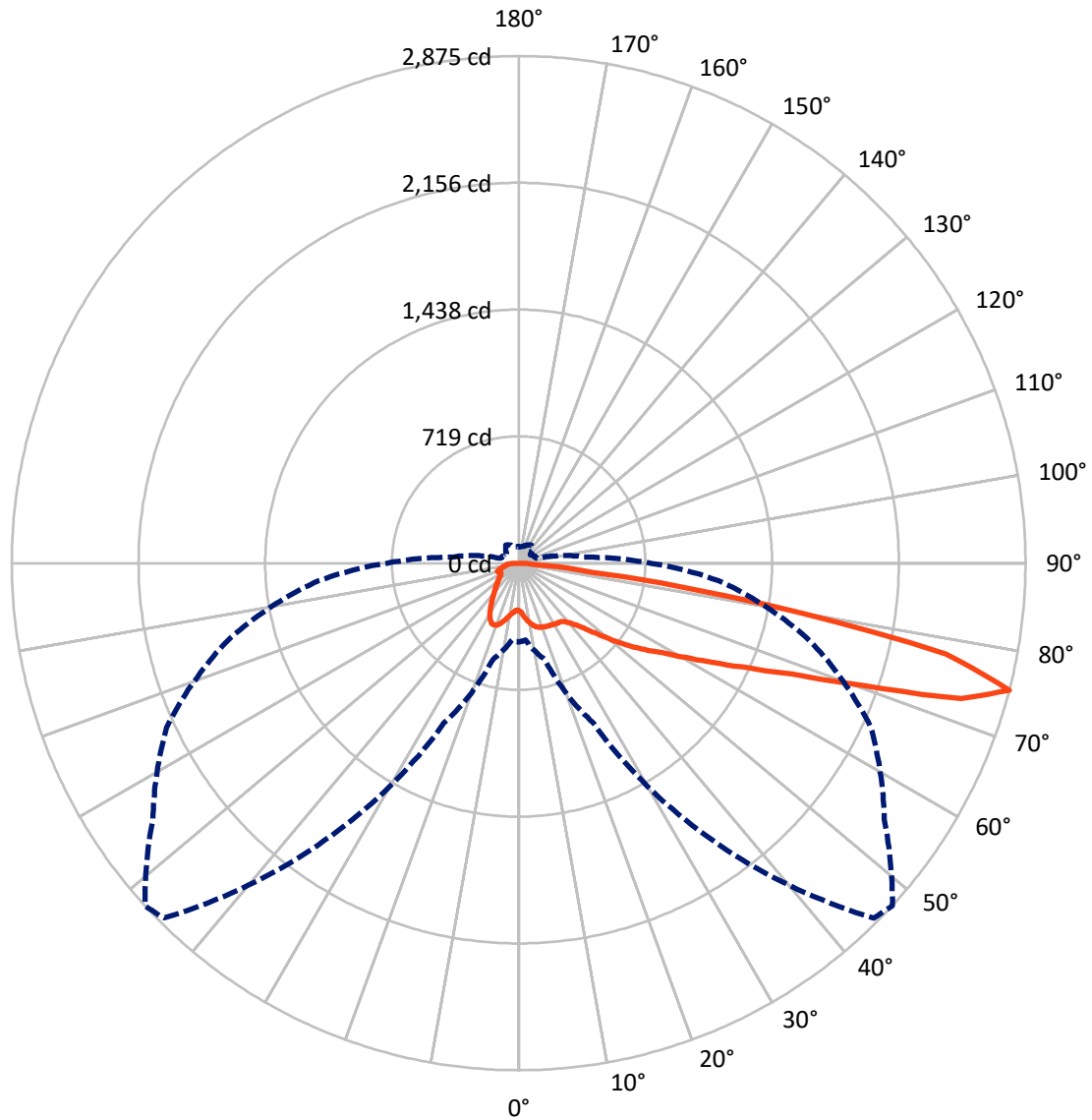
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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

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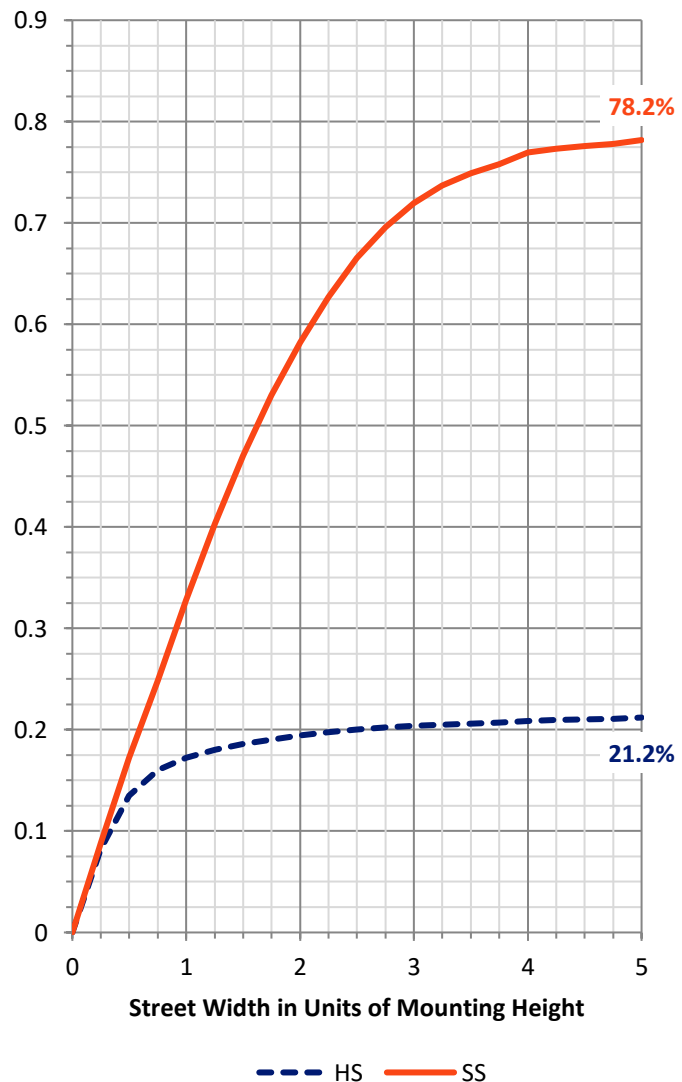
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	717.6	0.0	717.6
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	2588.6	0.0	2588.6
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	3306.2	0.0	3306.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.7	0.9
10°-20°	101.5	3.1
20°-30°	174.0	5.3
30°-40°	241.5	7.3
40°-50°	350.6	10.6
50°-60°	554.3	16.8
60°-70°	928.5	28.1
70°-80°	831.3	25.1
80°-90°	95.8	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°	3306.2	100.0
0°-180°	3306.2	100.0

**Coefficient of Utilization**

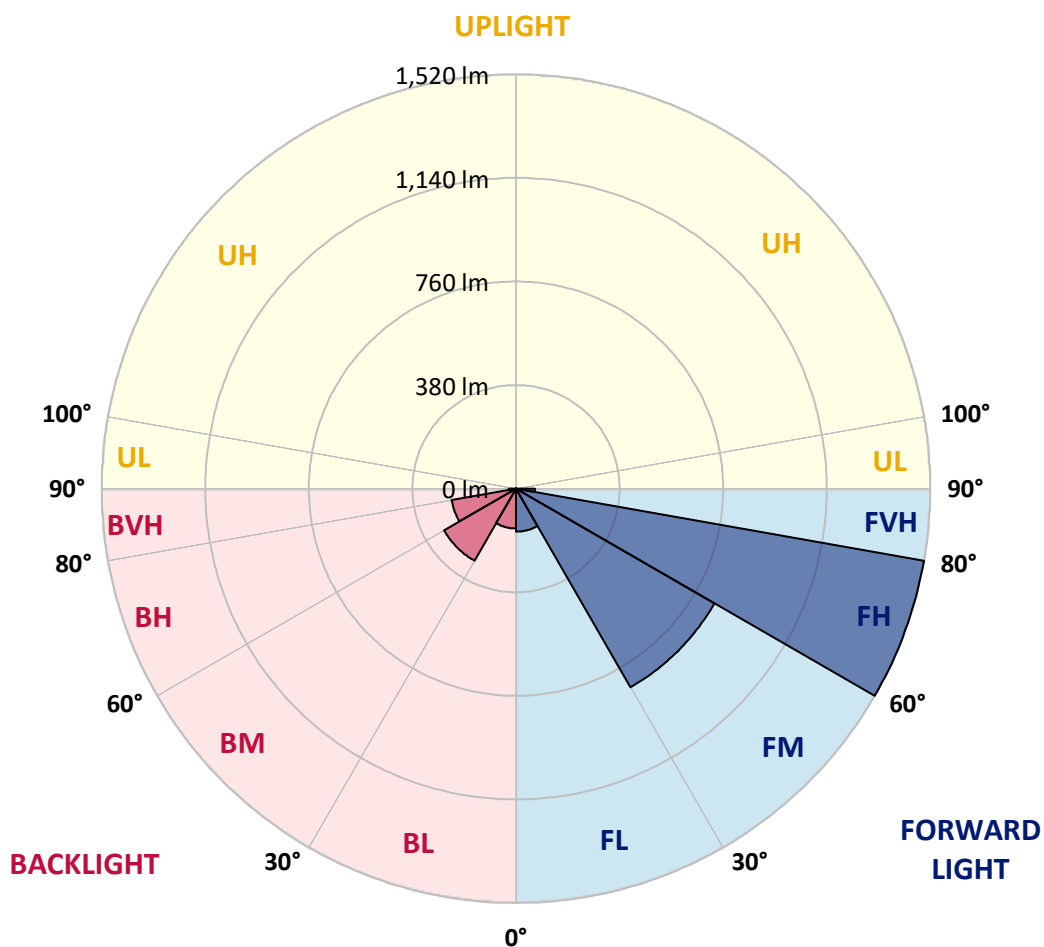


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.0	4.8			
FM (30°-60°)	841.3	25.4			
FH (60°-80°)	1520.0	46.0			G1/1800
FVH (80°-90°)	69.4	2.1			G1/100
BL (0°-30°)	146.2	4.4	B1/500		
BM (30°-60°)	305.2	9.2	B1/1000		
BH (60°-80°)	239.8	7.3	B1/500		G1/500
BVH (80°-90°)	26.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2
2.5°	290.8	287.5	285.8	284.2	282.5	279.2	279.2	277.5	275.9	272.5	270.9
5°	329.1	324.1	320.7	317.4	310.8	304.1	300.8	294.2	287.5	279.2	274.2
7.5°	360.6	359.0	354.0	347.3	337.4	327.4	324.1	315.8	305.8	292.5	284.2
10°	385.6	383.9	377.2	368.9	357.3	347.3	344.0	337.4	325.7	310.8	299.1
12.5°	407.2	405.5	397.2	385.6	372.3	364.0	360.6	355.6	344.0	330.7	315.8
15°	418.8	417.1	410.5	395.5	382.2	375.6	373.9	370.6	362.3	349.0	332.4
17.5°	415.5	415.5	408.8	395.5	385.6	383.9	382.2	382.2	375.6	365.6	347.3
20°	400.5	398.9	398.9	387.2	383.9	387.2	387.2	390.5	387.2	380.6	362.3
22.5°	387.2	385.6	385.6	378.9	380.6	388.9	390.5	395.5	395.5	390.5	372.3
25°	382.2	378.9	380.6	373.9	378.9	392.2	393.9	400.5	400.5	395.5	378.9
27.5°	382.2	378.9	380.6	373.9	380.6	393.9	397.2	405.5	403.8	395.5	382.2
30°	390.5	387.2	387.2	378.9	385.6	398.9	400.5	408.8	407.2	400.5	390.5
32.5°	448.7	443.7	420.5	393.9	393.9	403.8	405.5	413.8	417.1	408.8	402.2
35°	540.1	536.8	501.9	440.4	410.5	408.8	408.8	423.8	433.8	423.8	413.8
37.5°	658.1	644.8	599.9	518.5	452.0	422.1	420.5	437.1	455.4	445.4	428.8
40°	757.8	747.8	699.7	609.9	508.5	452.0	445.4	457.0	478.6	467.0	452.0
42.5°	835.9	827.6	799.4	708.0	578.3	491.9	478.6	478.6	503.6	493.6	477.0
45°	895.8	894.1	879.1	797.7	656.4	551.7	531.8	510.2	536.8	531.8	510.2
47.5°	925.7	924.0	939.0	874.2	742.9	629.9	598.3	555.1	583.3	583.3	561.7
50°	952.3	957.2	983.8	955.6	842.6	722.9	683.0	614.9	646.5	658.1	628.2
52.5°	995.5	1012.1	1037.0	1035.4	962.2	822.6	772.8	684.7	729.6	757.8	729.6
55°	1081.9	1080.2	1096.8	1126.8	1090.2	925.7	865.8	774.4	847.6	894.1	865.8
57.5°	1135.1	1135.1	1170.0	1233.1	1239.8	1037.0	958.9	890.8	998.8	1057.0	1048.6
60°	1218.2	1218.2	1264.7	1351.1	1387.7	1158.3	1085.2	1032.0	1176.6	1244.8	1296.3
62.5°	1263.0	1271.3	1349.4	1457.5	1504.0	1306.2	1239.8	1221.5	1379.4	1455.8	1598.7
65°	1248.1	1263.0	1425.9	1545.6	1648.6	1484.1	1430.9	1420.9	1590.4	1670.2	1921.1
67.5°	1271.3	1281.3	1464.1	1668.5	1824.7	1716.7	1675.2	1660.2	1818.1	1838.0	2158.8
70°	1204.9	1208.2	1372.7	1746.6	2095.6	2133.9	2075.7	1995.9	2055.7	1971.0	2207.0
72.5°	957.2	957.2	1106.8	1548.9	2185.4	2659.0	2625.8	2383.1	2245.2	1967.7	1849.7
75°	447.0	438.7	563.4	1000.5	1919.5	2846.8	2875.1	2532.7	2203.7	1713.4	1138.4
77.5°	116.3	114.7	169.5	370.6	1068.6	2359.9	2479.5	2062.4	1678.5	1017.1	422.1
80°	61.5	61.5	79.8	116.3	370.6	1253.1	1402.6	1086.9	759.5	362.3	133.0
82.5°	29.9	31.6	51.5	73.1	166.2	344.0	417.1	364.0	231.0	141.3	81.4
85°	13.3	15.0	26.6	43.2	98.1	74.8	79.8	106.4	133.0	101.4	44.9
87.5°	5.0	5.0	8.3	13.3	34.9	24.9	24.9	43.2	76.4	63.2	18.3
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°	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2
2.5°	270.9	269.2	267.6	267.6	265.9	265.9	265.9	267.6	267.6	267.6	267.6
5°	272.5	270.9	269.2	269.2	270.9	274.2	275.9	279.2	280.9	282.5	284.2
7.5°	282.5	279.2	277.5	277.5	280.9	285.8	289.2	294.2	299.1	302.5	304.1
10°	295.8	292.5	289.2	292.5	295.8	300.8	307.4	312.4	317.4	320.7	324.1
12.5°	310.8	305.8	304.1	307.4	314.1	320.7	327.4	332.4	337.4	342.3	344.0
15°	325.7	322.4	320.7	325.7	334.0	342.3	349.0	354.0	357.3	362.3	362.3
17.5°	342.3	339.0	337.4	344.0	354.0	360.6	365.6	367.3	367.3	370.6	370.6
20°	355.6	352.3	352.3	360.6	368.9	373.9	372.3	370.6	367.3	370.6	370.6
22.5°	367.3	364.0	364.0	372.3	378.9	377.2	370.6	365.6	362.3	365.6	365.6
25°	373.9	373.9	377.2	380.6	377.2	372.3	364.0	360.6	355.6	357.3	359.0
27.5°	378.9	382.2	387.2	382.2	365.6	354.0	347.3	347.3	344.0	345.7	350.7
30°	390.5	393.9	395.5	377.2	345.7	327.4	319.1	324.1	330.7	332.4	337.4
32.5°	403.8	410.5	403.8	365.6	320.7	295.8	287.5	299.1	314.1	320.7	329.1
35°	418.8	430.4	410.5	352.3	295.8	262.6	259.3	269.2	282.5	294.2	304.1
37.5°	440.4	455.4	420.5	334.0	265.9	236.0	229.3	232.7	237.6	244.3	249.3
40°	465.3	483.6	428.8	309.1	232.7	212.7	202.7	194.4	191.1	187.8	191.1
42.5°	496.9	520.2	437.1	280.9	212.7	194.4	177.8	167.9	161.2	151.2	151.2
45°	535.1	563.4	440.4	252.6	197.8	176.2	159.5	151.2	141.3	128.0	128.0
47.5°	588.3	626.5	438.7	224.4	182.8	159.5	147.9	137.9	126.3	116.3	116.3
50°	666.4	696.3	428.8	194.4	164.5	147.9	137.9	126.3	114.7	109.7	108.0
52.5°	786.1	787.7	407.2	167.9	149.6	137.9	128.0	118.0	109.7	106.4	104.7
55°	975.5	919.0	367.3	146.2	136.3	129.6	123.0	114.7	106.4	103.0	101.4
57.5°	1219.8	1115.1	347.3	133.0	121.3	121.3	119.7	113.0	104.7	99.7	98.1
60°	1568.8	1361.1	327.4	124.6	111.3	118.0	118.0	113.0	104.7	104.7	103.0
62.5°	1902.9	1613.7	264.2	119.7	106.4	118.0	126.3	124.6	124.6	133.0	133.0
65°	2172.1	1769.9	192.8	116.3	104.7	124.6	139.6	139.6	126.3	131.3	128.0
67.5°	2241.9	1764.9	144.6	113.0	103.0	136.3	154.6	136.3	116.3	119.7	116.3
70°	2002.6	1464.1	129.6	109.7	101.4	136.3	149.6	129.6	111.3	114.7	106.4
72.5°	1452.5	917.4	116.3	104.7	93.1	123.0	137.9	121.3	104.7	103.0	94.7
75°	749.5	383.9	104.7	96.4	81.4	104.7	126.3	113.0	98.1	94.7	91.4
77.5°	244.3	147.9	94.7	88.1	71.5	93.1	116.3	104.7	89.7	83.1	81.4
80°	106.4	99.7	81.4	78.1	61.5	79.8	108.0	96.4	79.8	71.5	69.8
82.5°	74.8	68.1	64.8	63.2	51.5	78.1	108.0	94.7	74.8	73.1	59.8
85°	41.5	39.9	44.9	41.5	36.6	64.8	81.4	64.8	46.5	38.2	38.2
87.5°	15.0	18.3	21.6	19.9	18.3	33.2	43.2	36.6	24.9	19.9	19.9
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)