

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: P565286

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T4FT**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565286  
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-T4FT  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T4FT distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

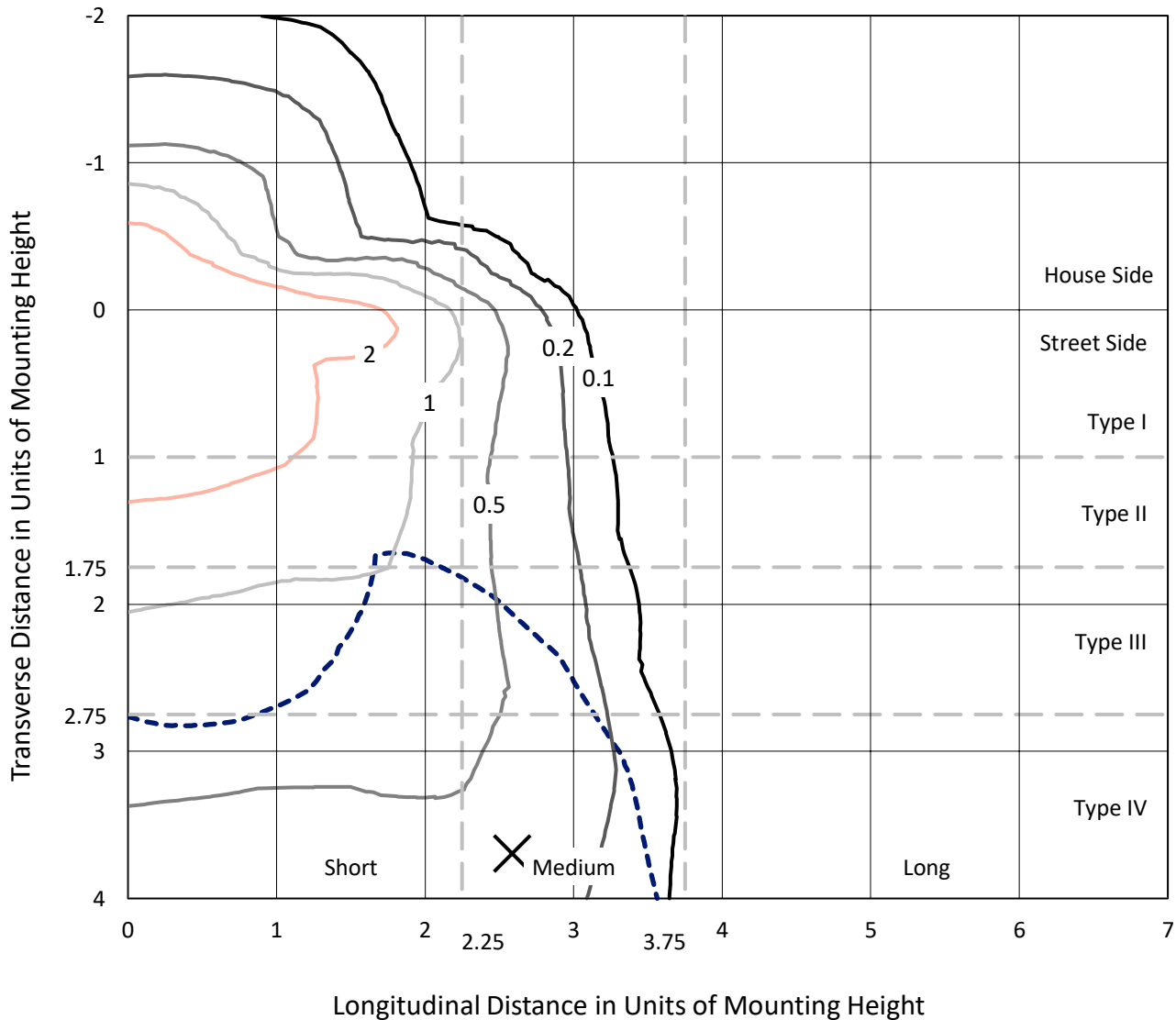
Lumens per Lamp: N/A  
Luminaire Lumens: 3350.8 lumens  
Efficiency: N/A  
Efficacy: 54.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

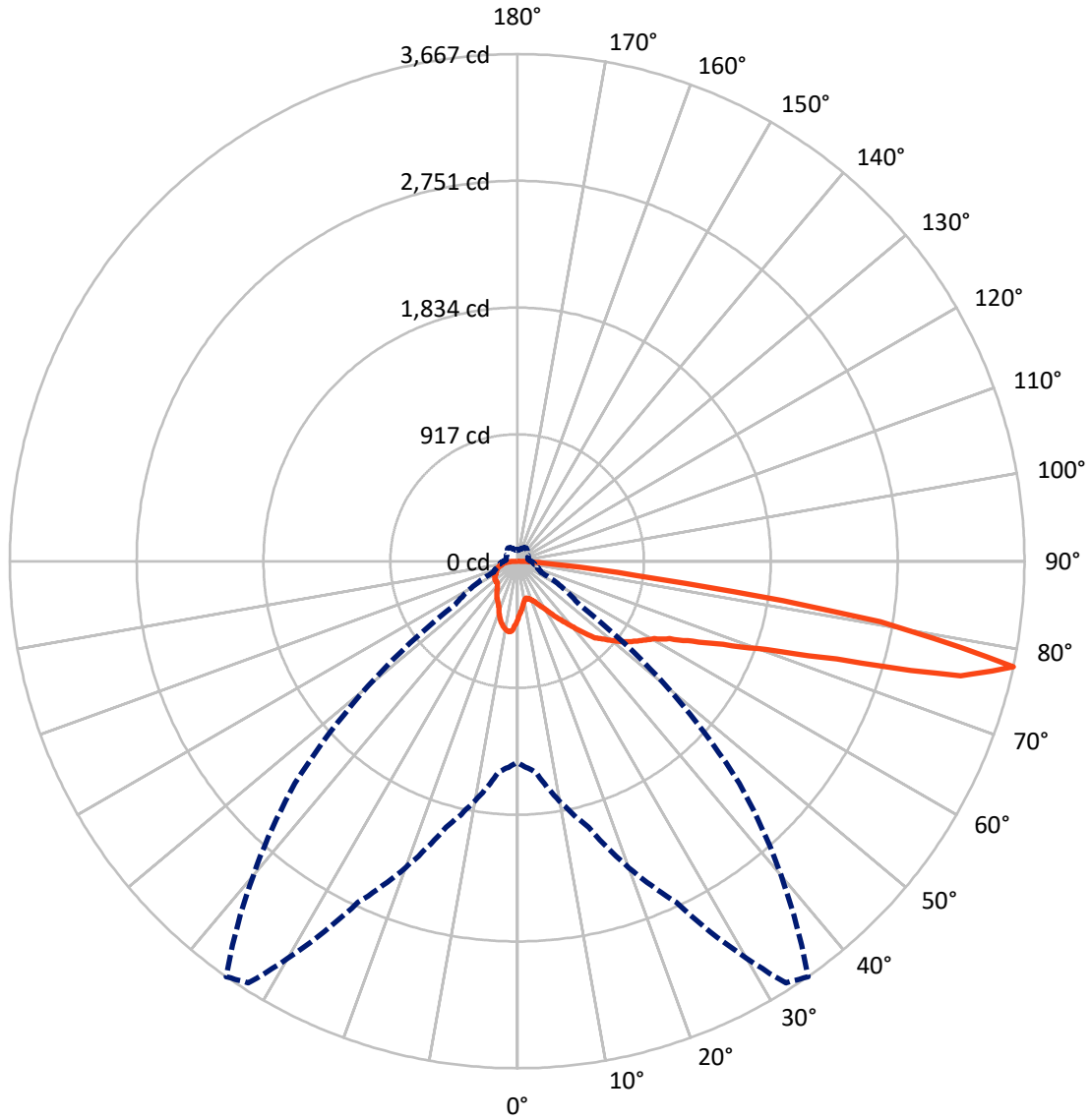
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 77.5-Deg Vertical

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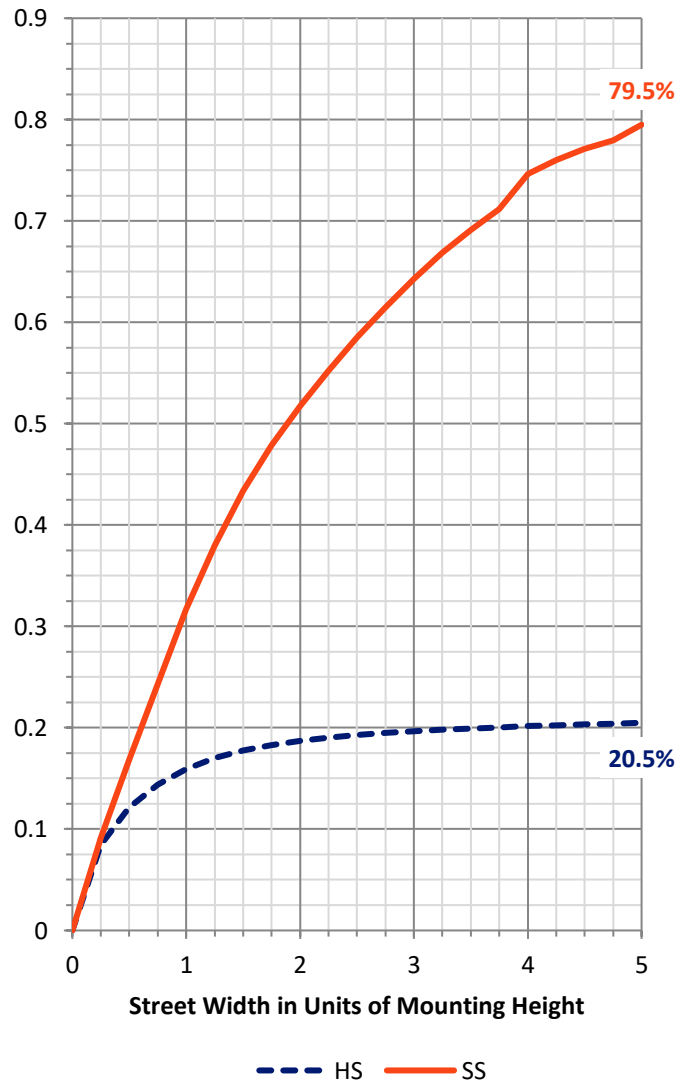
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	699.4	0.0	699.4
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	2651.4	0.0	2651.4
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	3350.8	0.0	3350.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.1	1.2
10°-20°	113.1	3.4
20°-30°	183.7	5.5
30°-40°	273.9	8.2
40°-50°	407.2	12.2
50°-60°	593.6	17.7
60°-70°	790.7	23.6
70°-80°	833.7	24.9
80°-90°	114.8	3.4
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°	3350.8	100.0
0°-180°	3350.8	100.0

**Coefficient of Utilization**

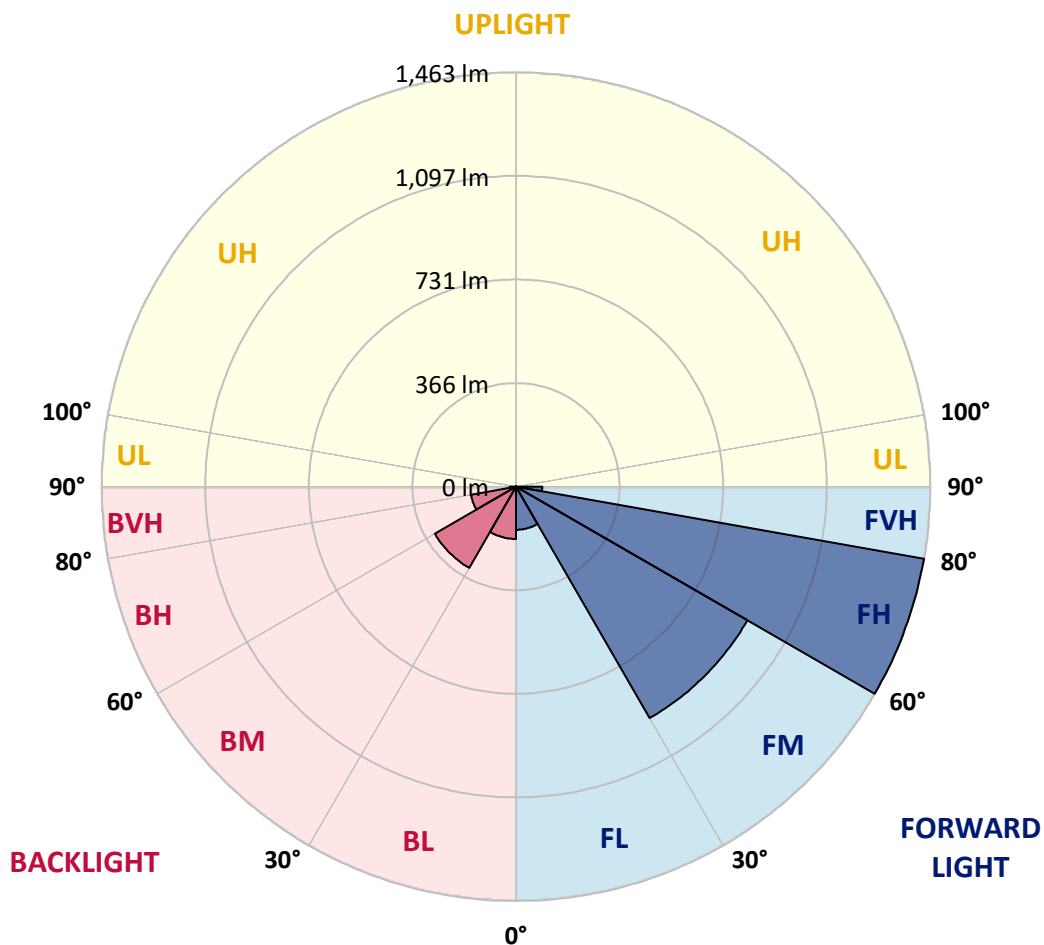


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.3	4.5			
FM (30°-60°)	943.5	28.2			
FH (60°-80°)	1463.0	43.7			G1/1800
FVH (80°-90°)	92.6	2.8			G1/100
BL (0°-30°)	184.6	5.5	B1/500		
BM (30°-60°)	331.2	9.9	B1/1000		
BH (60°-80°)	161.5	4.8	B1/500		G1/500
BVH (80°-90°)	22.2	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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32.5°	35°	45°	55°	65°	75°	85°
0°	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2
2.5°	376.4	373.0	374.7	379.8	381.5	381.5	388.3	395.1	403.5	408.6	422.2
5°	327.2	332.3	332.3	344.2	351.0	349.3	356.1	373.0	384.9	403.5	422.2
7.5°	286.5	289.9	291.6	301.8	310.3	315.4	330.6	351.0	369.6	395.1	418.8
10°	266.2	264.5	266.2	271.3	281.5	288.2	306.9	332.3	359.5	391.7	422.2
12.5°	261.1	264.5	259.4	262.8	269.6	274.7	291.6	323.8	351.0	390.0	434.1
15°	276.4	276.4	266.2	269.6	274.7	278.1	295.0	320.5	352.7	393.4	445.9
17.5°	295.0	295.0	281.5	279.8	283.2	289.9	303.5	322.2	354.4	396.8	449.3
20°	320.5	317.1	296.7	291.6	296.7	298.4	315.4	335.7	361.1	401.8	462.9
22.5°	351.0	344.2	315.4	308.6	313.7	317.1	332.3	347.6	362.8	398.5	473.1
25°	386.6	378.1	347.6	337.4	340.8	340.8	347.6	362.8	369.6	401.8	484.9
27.5°	425.6	418.8	393.4	371.3	366.2	369.6	373.0	379.8	388.3	418.8	508.7
30°	478.1	476.4	447.6	413.7	408.6	405.2	400.1	406.9	410.3	432.4	539.2
32.5°	532.4	523.9	500.2	466.3	457.8	451.0	439.1	447.6	442.5	452.7	564.6
35°	573.1	564.6	546.0	527.3	513.7	505.3	484.9	493.4	478.1	473.1	605.3
37.5°	627.3	629.0	613.8	590.0	566.3	562.9	540.9	537.5	517.1	510.4	661.3
40°	683.3	690.1	668.0	659.6	627.3	627.3	617.2	603.6	569.7	547.7	722.3
42.5°	771.5	746.0	724.0	722.3	717.2	708.7	702.0	676.5	625.7	598.5	817.2
45°	825.7	805.4	771.5	774.9	786.7	790.1	793.5	761.3	683.3	652.8	896.9
47.5°	835.9	837.6	817.2	827.4	825.7	844.4	890.2	839.3	763.0	720.6	968.2
50°	856.2	847.8	861.3	886.8	895.2	905.4	981.7	934.2	849.5	795.2	1073.3
52.5°	890.2	880.0	895.2	934.2	956.3	968.2	1051.2	1019.0	939.3	878.3	1231.0
55°	907.1	902.0	925.8	964.8	1010.5	1024.1	1117.4	1136.0	1047.8	980.0	1429.3
57.5°	920.7	920.7	983.4	1022.4	1064.8	1076.7	1192.0	1244.5	1125.8	1120.8	1648.1
60°	981.7	966.5	1034.3	1069.9	1117.4	1139.4	1327.6	1370.0	1192.0	1225.9	1821.0
62.5°	1078.4	1063.1	1081.8	1149.6	1212.3	1236.0	1480.2	1458.2	1247.9	1310.7	1839.7
65°	1266.6	1244.5	1217.4	1242.8	1325.9	1393.7	1653.1	1549.7	1280.1	1297.1	1704.0
67.5°	1507.3	1500.6	1436.1	1402.2	1553.1	1605.7	1861.7	1631.1	1234.4	1190.3	1310.7
70°	1805.7	1751.5	1685.4	1693.8	1870.2	1912.6	2092.3	1583.6	1124.1	937.6	764.7
72.5°	2104.2	2060.1	2053.3	2122.8	2373.8	2416.1	2406.0	1527.7	890.2	532.4	308.6
75°	2282.2	2260.2	2343.2	2702.7	3228.3	3313.1	2706.1	1222.5	468.0	220.4	154.3
77.5°	1454.8	1529.4	1992.3	2723.0	3616.6	3667.4	2270.3	546.0	191.6	140.7	115.3
80°	245.9	271.3	484.9	1356.4	2585.7	2662.0	990.2	181.4	127.2	115.3	91.6
82.5°	76.3	79.7	130.6	303.5	779.9	869.8	215.3	106.8	96.6	88.2	66.1
85°	32.2	33.9	61.0	98.3	171.2	184.8	72.9	62.7	69.5	57.6	39.0
87.5°	10.2	11.9	25.4	39.0	64.4	64.4	28.8	27.1	35.6	30.5	17.0
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°	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.2
2.5°	429.0	432.4	437.4	451.0	454.4	466.3	466.3	468.0	474.8	468.0	478.1
5°	427.3	444.2	459.5	478.1	486.6	498.5	507.0	500.2	505.3	503.6	512.1
7.5°	430.7	452.7	483.2	498.5	513.7	515.4	513.7	503.6	503.6	500.2	507.0
10°	444.2	469.7	498.5	517.1	517.1	510.4	501.9	488.3	486.6	479.8	484.9
12.5°	464.6	481.5	525.6	529.0	512.1	505.3	481.5	466.3	464.6	444.2	449.3
15°	473.1	498.5	535.8	529.0	513.7	488.3	457.8	440.8	420.5	408.6	413.7
17.5°	488.3	517.1	547.7	525.6	500.2	468.0	427.3	401.8	383.2	369.6	373.0
20°	496.8	540.9	547.7	520.5	486.6	432.4	393.4	362.8	349.3	339.1	339.1
22.5°	513.7	557.8	554.4	510.4	464.6	401.8	354.4	337.4	332.3	330.6	328.9
25°	547.7	576.5	546.0	493.4	420.5	359.5	332.3	325.5	328.9	327.2	328.9
27.5°	578.2	596.8	544.3	462.9	369.6	317.1	313.7	322.2	322.2	323.8	323.8
30°	601.9	617.2	532.4	417.1	310.3	288.2	298.4	310.3	317.1	317.1	315.4
32.5°	639.2	635.8	513.7	366.2	271.3	266.2	278.1	296.7	306.9	306.9	305.2
35°	678.2	664.7	490.0	313.7	247.5	249.2	256.0	273.0	283.2	289.9	289.9
37.5°	735.9	688.4	466.3	261.1	232.3	230.6	239.1	249.2	256.0	257.7	261.1
40°	802.0	730.8	417.1	230.6	220.4	220.4	227.2	228.9	227.2	225.5	230.6
42.5°	885.1	756.2	356.1	205.2	208.6	211.9	215.3	210.2	206.9	205.2	206.9
45°	929.2	766.4	296.7	189.9	193.3	210.2	210.2	206.9	198.4	188.2	184.8
47.5°	966.5	756.2	242.5	172.9	186.5	211.9	210.2	200.1	188.2	172.9	171.2
50°	1027.5	761.3	203.5	162.8	183.1	215.3	206.9	189.9	179.7	161.1	161.1
52.5°	1117.4	805.4	178.0	154.3	181.4	215.3	205.2	183.1	167.9	150.9	150.9
55°	1286.9	880.0	156.0	149.2	176.3	210.2	200.1	176.3	152.6	137.3	137.3
57.5°	1453.1	961.4	147.5	145.8	169.6	196.7	191.6	162.8	144.1	135.6	130.6
60°	1583.6	956.3	137.3	140.7	157.7	184.8	176.3	152.6	137.3	130.6	128.9
62.5°	1576.8	856.2	133.9	135.6	147.5	171.2	169.6	145.8	133.9	125.5	125.5
65°	1403.9	659.6	125.5	130.6	137.3	161.1	166.2	142.4	127.2	123.8	122.1
67.5°	1027.5	417.1	120.4	123.8	128.9	150.9	161.1	135.6	122.1	118.7	118.7
70°	547.7	234.0	113.6	117.0	122.1	142.4	152.6	132.3	113.6	115.3	113.6
72.5°	213.6	137.3	103.4	110.2	110.2	128.9	140.7	123.8	106.8	101.7	96.6
75°	125.5	103.4	91.6	96.6	100.0	115.3	127.2	113.6	96.6	88.2	84.8
77.5°	98.3	83.1	79.7	88.2	88.2	103.4	115.3	105.1	89.9	81.4	78.0
80°	76.3	64.4	67.8	74.6	74.6	96.6	108.5	91.6	74.6	67.8	64.4
82.5°	54.3	47.5	54.3	59.3	56.0	78.0	95.0	74.6	59.3	54.3	42.4
85°	30.5	30.5	39.0	37.3	37.3	49.2	64.4	49.2	35.6	28.8	27.1
87.5°	11.9	13.6	17.0	15.3	15.3	23.7	28.8	18.7	15.3	11.9	8.5
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)