

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: P565285

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T4FT**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565285
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-T4FT
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T4FT distribution lens
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

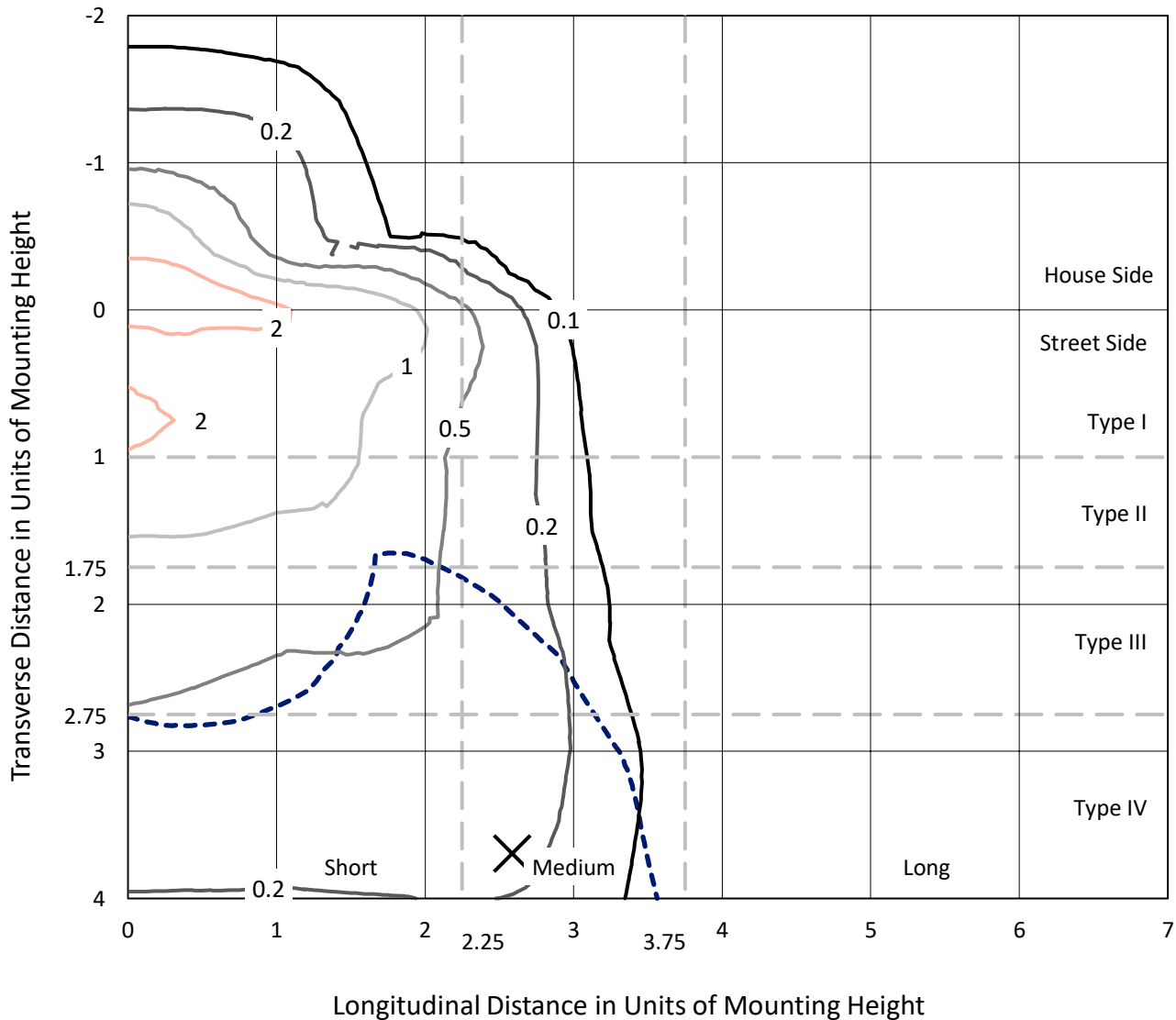
Lumens per Lamp: N/A
Luminaire Lumens: 2248.4 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

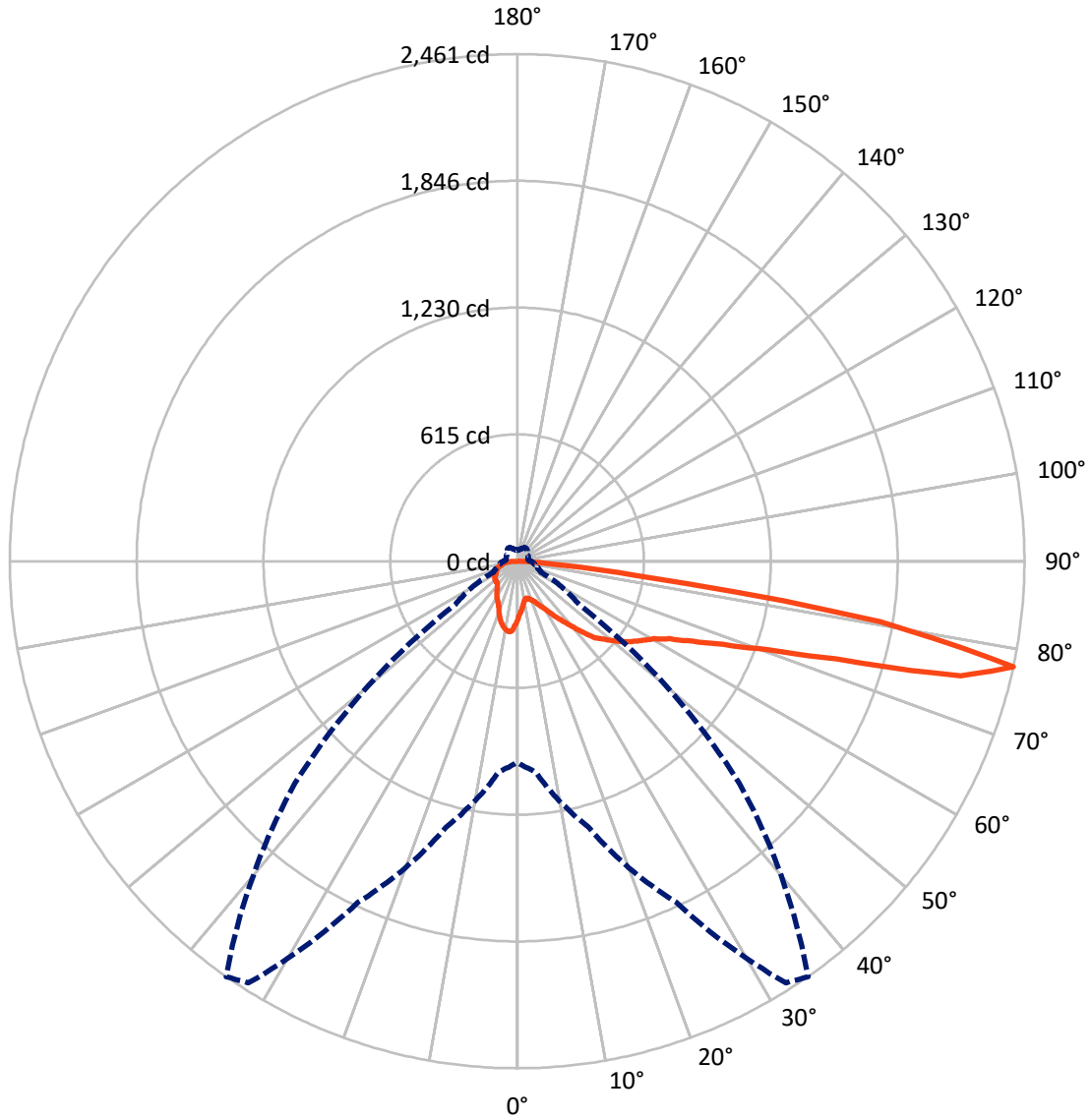
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 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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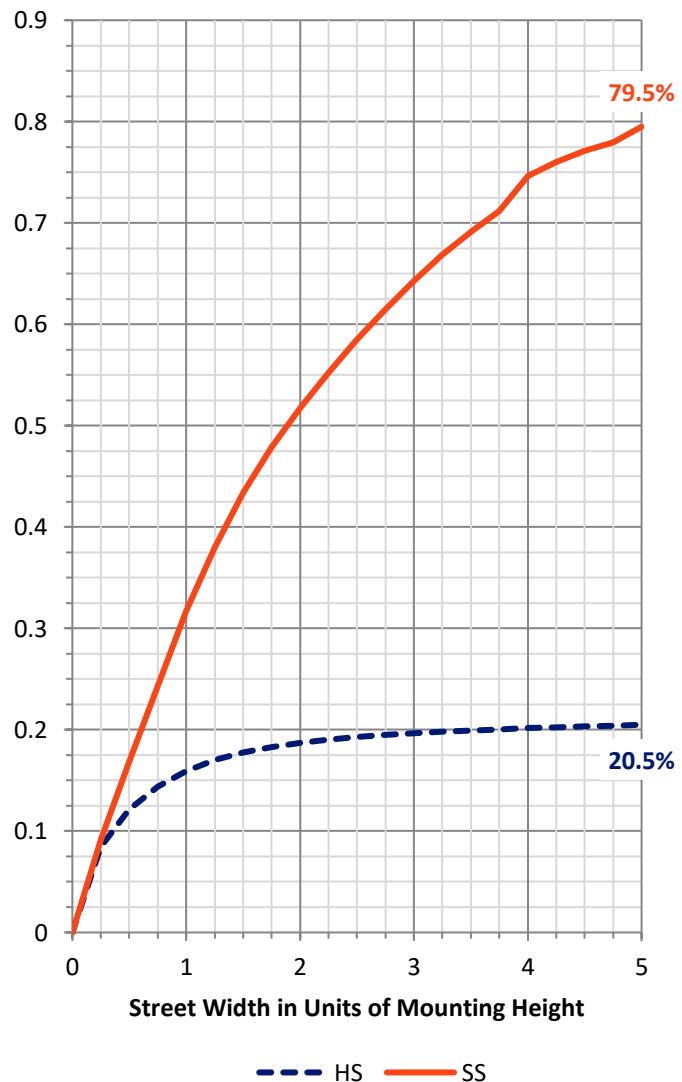
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.3	0.0	469.3
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	1779.1	0.0	1779.1
	% Fixture	79.1	0.0	79.1
Total	Lumens	2248.4	0.0	2248.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.2
10°-20°	75.9	3.4
20°-30°	123.3	5.5
30°-40°	183.8	8.2
40°-50°	273.2	12.2
50°-60°	398.3	17.7
60°-70°	530.6	23.6
70°-80°	559.4	24.9
80°-90°	77.0	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°	2248.4	100.0
0°-180°	2248.4	100.0

Coefficient of Utilization

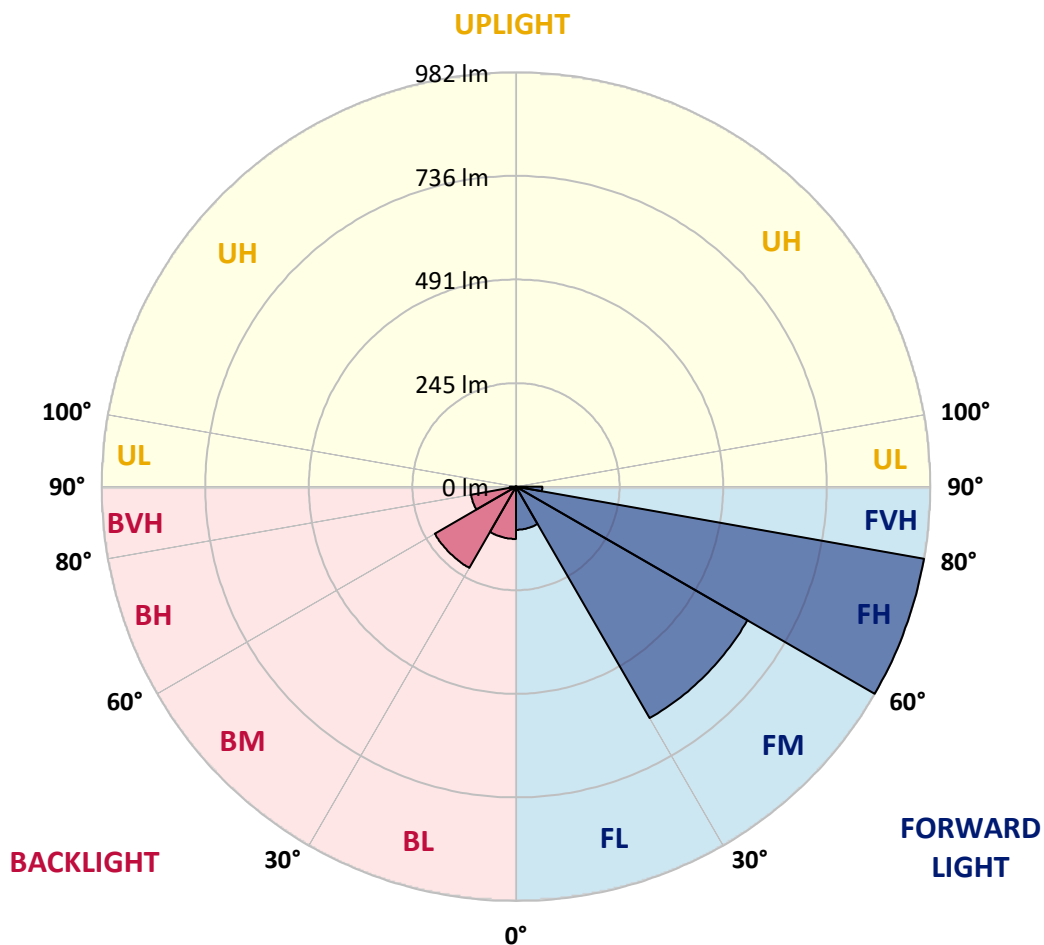


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.2	4.5			
FM (30°-60°)	633.1	28.2			
FH (60°-80°)	981.7	43.7			G1/1800
FVH (80°-90°)	62.2	2.8			G1/100
BL (0°-30°)	123.9	5.5	B1/500		
BM (30°-60°)	222.2	9.9	B1/1000		
BH (60°-80°)	108.4	4.8	B0/110		G0/110
BVH (80°-90°)	14.9	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°	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3
2.5°	252.6	250.3	251.4	254.9	256.0	256.0	260.5	265.1	270.8	274.2	283.3
5°	219.6	223.0	223.0	231.0	235.5	234.4	238.9	250.3	258.3	270.8	283.3
7.5°	192.3	194.6	195.7	202.5	208.2	211.6	221.9	235.5	248.0	265.1	281.0
10°	178.6	177.5	178.6	182.0	188.9	193.4	205.9	223.0	241.2	262.8	283.3
12.5°	175.2	177.5	174.1	176.3	180.9	184.3	195.7	217.3	235.5	261.7	291.3
15°	185.5	185.5	178.6	180.9	184.3	186.6	198.0	215.0	236.6	264.0	299.2
17.5°	198.0	198.0	188.9	187.7	190.0	194.6	203.7	216.2	237.8	266.2	301.5
20°	215.0	212.8	199.1	195.7	199.1	200.2	211.6	225.3	242.3	269.6	310.6
22.5°	235.5	231.0	211.6	207.1	210.5	212.8	223.0	233.2	243.5	267.4	317.4
25°	259.4	253.7	233.2	226.4	228.7	228.7	233.2	243.5	248.0	269.6	325.4
27.5°	285.6	281.0	264.0	249.2	245.8	248.0	250.3	254.9	260.5	281.0	341.3
30°	320.8	319.7	300.4	277.6	274.2	271.9	268.5	273.1	275.3	290.1	361.8
32.5°	357.2	351.6	335.6	312.9	307.2	302.6	294.7	300.4	296.9	303.8	378.9
35°	384.6	378.9	366.4	353.8	344.7	339.0	325.4	331.1	320.8	317.4	406.2
37.5°	421.0	422.1	411.9	395.9	380.0	377.7	362.9	360.7	347.0	342.5	443.7
40°	458.5	463.1	448.3	442.6	421.0	421.0	414.1	405.0	382.3	367.5	484.7
42.5°	517.7	500.6	485.8	484.7	481.3	475.6	471.0	454.0	419.8	401.6	548.4
45°	554.1	540.4	517.7	519.9	527.9	530.2	532.5	510.8	458.5	438.0	601.9
47.5°	560.9	562.0	548.4	555.2	554.1	566.6	597.3	563.2	512.0	483.5	649.6
50°	574.6	568.9	578.0	595.0	600.7	607.6	658.7	626.9	570.0	533.6	720.2
52.5°	597.3	590.5	600.7	626.9	641.7	649.6	705.4	683.8	630.3	589.3	826.0
55°	608.7	605.3	621.2	647.4	678.1	687.2	749.8	762.3	703.1	657.6	959.1
57.5°	617.8	617.8	659.9	686.1	714.5	722.5	799.8	835.1	755.5	752.0	1105.9
60°	658.7	648.5	694.0	717.9	749.8	764.6	890.8	919.3	799.8	822.6	1221.9
62.5°	723.6	713.4	725.9	771.4	813.5	829.4	993.2	978.5	837.4	879.5	1234.4
65°	849.9	835.1	816.9	834.0	889.7	935.2	1109.3	1039.9	859.0	870.4	1143.4
67.5°	1011.4	1006.9	963.7	940.9	1042.2	1077.4	1249.2	1094.5	828.3	798.7	879.5
70°	1211.7	1175.3	1130.9	1136.6	1254.9	1283.4	1404.0	1062.6	754.3	629.2	513.1
72.5°	1411.9	1382.3	1377.8	1424.4	1592.8	1621.3	1614.4	1025.1	597.3	357.2	207.1
75°	1531.4	1516.6	1572.4	1813.6	2166.2	2223.1	1815.8	820.3	314.0	147.9	103.5
77.5°	976.2	1026.2	1336.8	1827.2	2426.8	2460.9	1523.4	366.4	128.6	94.4	77.4
80°	165.0	182.0	325.4	910.2	1735.0	1786.2	664.4	121.7	85.3	77.4	61.4
82.5°	51.2	53.5	87.6	203.7	523.4	583.7	144.5	71.7	64.9	59.2	44.4
85°	21.6	22.8	41.0	66.0	114.9	124.0	48.9	42.1	46.6	38.7	26.2
87.5°	6.8	8.0	17.1	26.2	43.2	43.2	19.3	18.2	23.9	20.5	11.4
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°	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3
2.5°	287.8	290.1	293.5	302.6	304.9	312.9	312.9	314.0	318.6	314.0	320.8
5°	286.7	298.1	308.3	320.8	326.5	334.5	340.2	335.6	339.0	337.9	343.6
7.5°	289.0	303.8	324.3	334.5	344.7	345.9	344.7	337.9	337.9	335.6	340.2
10°	298.1	315.2	334.5	347.0	347.0	342.5	336.8	327.7	326.5	322.0	325.4
12.5°	311.7	323.1	352.7	355.0	343.6	339.0	323.1	312.9	311.7	298.1	301.5
15°	317.4	334.5	359.5	355.0	344.7	327.7	307.2	295.8	282.2	274.2	277.6
17.5°	327.7	347.0	367.5	352.7	335.6	314.0	286.7	269.6	257.1	248.0	250.3
20°	333.4	362.9	367.5	349.3	326.5	290.1	264.0	243.5	234.4	227.5	227.5
22.5°	344.7	374.3	372.0	342.5	311.7	269.6	237.8	226.4	223.0	221.9	220.7
25°	367.5	386.8	366.4	331.1	282.2	241.2	223.0	218.4	220.7	219.6	220.7
27.5°	388.0	400.5	365.2	310.6	248.0	212.8	210.5	216.2	216.2	217.3	217.3
30°	403.9	414.1	357.2	279.9	208.2	193.4	200.2	208.2	212.8	212.8	211.6
32.5°	428.9	426.7	344.7	245.8	182.0	178.6	186.6	199.1	205.9	205.9	204.8
35°	455.1	446.0	328.8	210.5	166.1	167.2	171.8	183.2	190.0	194.6	194.6
37.5°	493.8	461.9	312.9	175.2	155.9	154.7	160.4	167.2	171.8	172.9	175.2
40°	538.1	490.4	279.9	154.7	147.9	147.9	152.5	153.6	152.5	151.3	154.7
42.5°	593.9	507.4	238.9	137.7	139.9	142.2	144.5	141.1	138.8	137.7	138.8
45°	623.5	514.3	199.1	127.4	129.7	141.1	141.1	138.8	133.1	126.3	124.0
47.5°	648.5	507.4	162.7	116.0	125.2	142.2	141.1	134.3	126.3	116.0	114.9
50°	689.5	510.8	136.5	109.2	122.9	144.5	138.8	127.4	120.6	108.1	108.1
52.5°	749.8	540.4	119.5	103.5	121.7	144.5	137.7	122.9	112.6	101.3	101.3
55°	863.5	590.5	104.7	100.1	118.3	141.1	134.3	118.3	102.4	92.2	92.2
57.5°	975.0	645.1	99.0	97.8	113.8	132.0	128.6	109.2	96.7	91.0	87.6
60°	1062.6	641.7	92.2	94.4	105.8	124.0	118.3	102.4	92.2	87.6	86.5
62.5°	1058.1	574.6	89.9	91.0	99.0	114.9	113.8	97.8	89.9	84.2	84.2
65°	942.0	442.6	84.2	87.6	92.2	108.1	111.5	95.6	85.3	83.1	81.9
67.5°	689.5	279.9	80.8	83.1	86.5	101.3	108.1	91.0	81.9	79.6	79.6
70°	367.5	157.0	76.2	78.5	81.9	95.6	102.4	88.7	76.2	77.4	76.2
72.5°	143.4	92.2	69.4	74.0	74.0	86.5	94.4	83.1	71.7	68.3	64.9
75°	84.2	69.4	61.4	64.9	67.1	77.4	85.3	76.2	64.9	59.2	56.9
77.5°	66.0	55.7	53.5	59.2	59.2	69.4	77.4	70.5	60.3	54.6	52.3
80°	51.2	43.2	45.5	50.1	50.1	64.9	72.8	61.4	50.1	45.5	43.2
82.5°	36.4	31.9	36.4	39.8	37.5	52.3	63.7	50.1	39.8	36.4	28.4
85°	20.5	20.5	26.2	25.0	25.0	33.0	43.2	33.0	23.9	19.3	18.2
87.5°	8.0	9.1	11.4	10.2	10.2	15.9	19.3	12.5	10.2	8.0	5.7
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)