

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: P565326

Luminaire Tested: **IFLD-S-SA3A-AMB-U-SL2**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565326
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-SL2
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL2 distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

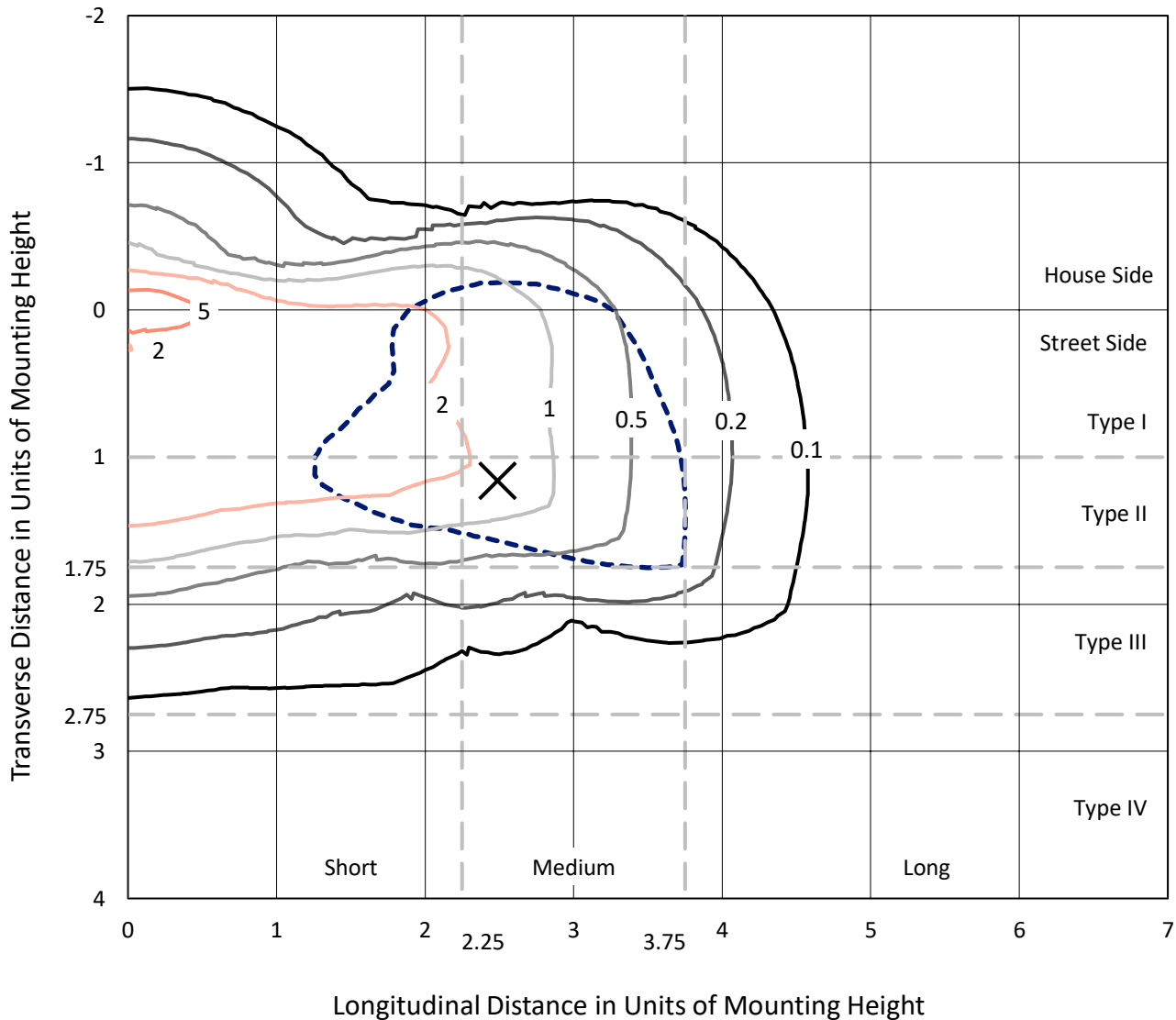
Lumens per Lamp: N/A
Luminaire Lumens: 3259.7 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

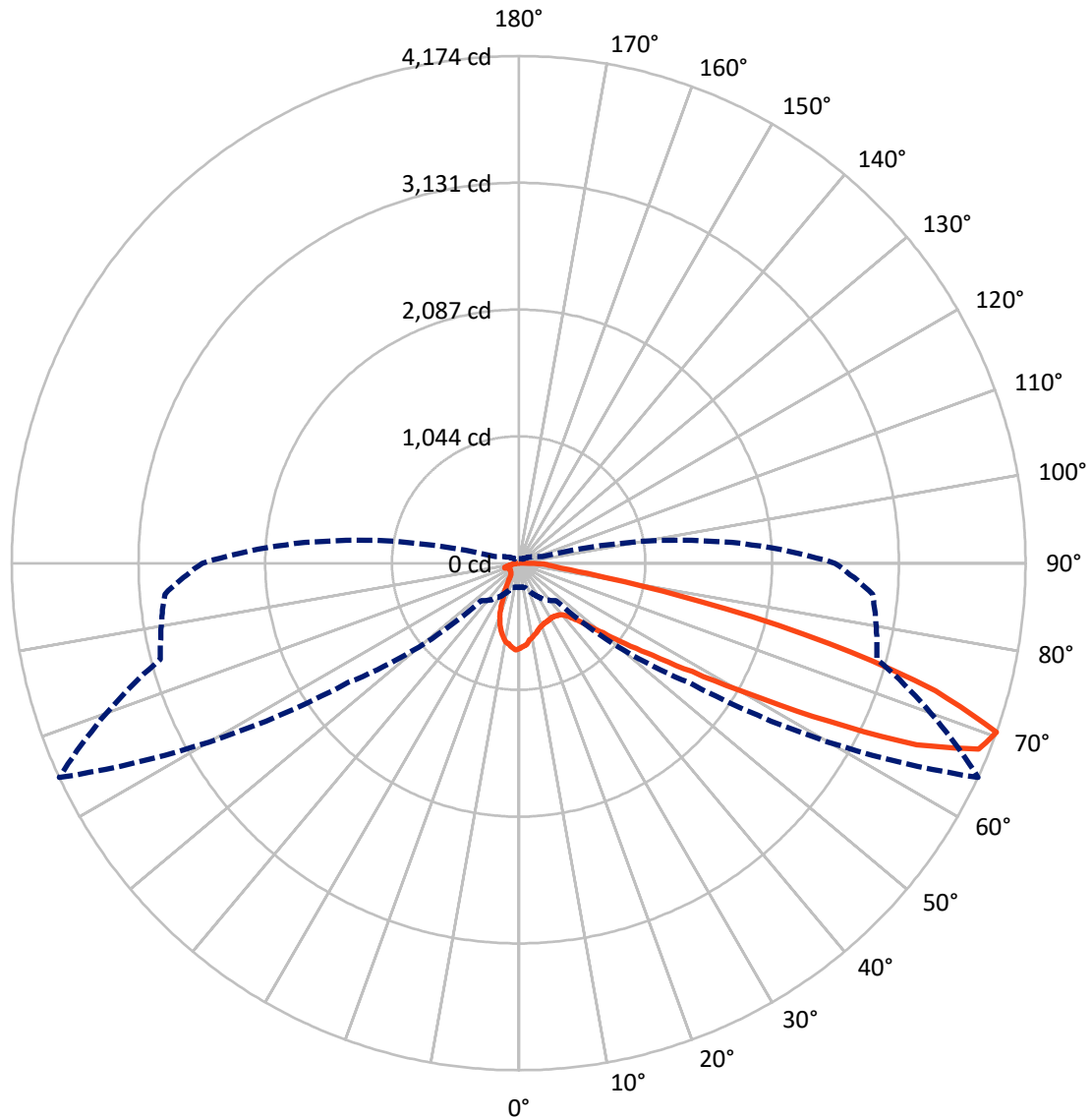
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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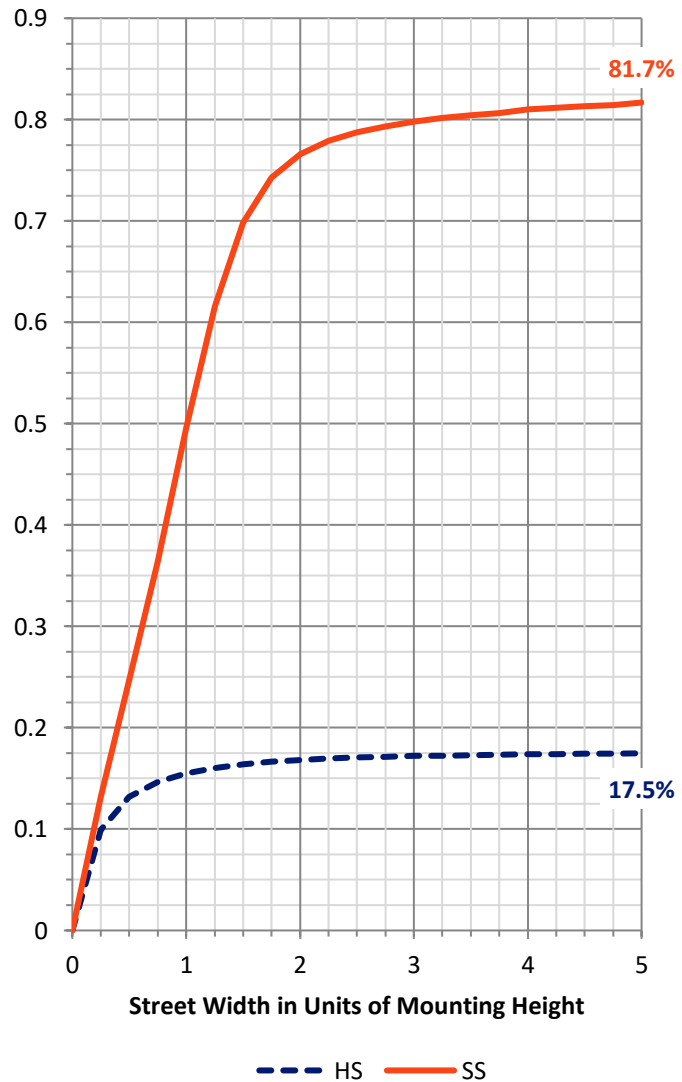
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	575.7	0.0	575.7
	% Fixture	17.7	0.0	17.7
Street Side	Lumens	2684.0	0.0	2684.0
	% Fixture	82.3	0.0	82.3
Total	Lumens	3259.7	0.0	3259.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.8
10°-20°	134.3	4.1
20°-30°	179.8	5.5
30°-40°	249.2	7.6
40°-50°	399.5	12.3
50°-60°	678.8	20.8
60°-70°	917.8	28.2
70°-80°	559.5	17.2
80°-90°	81.2	2.5
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°	3259.7	100.0
0°-180°	3259.7	100.0

Coefficient of Utilization

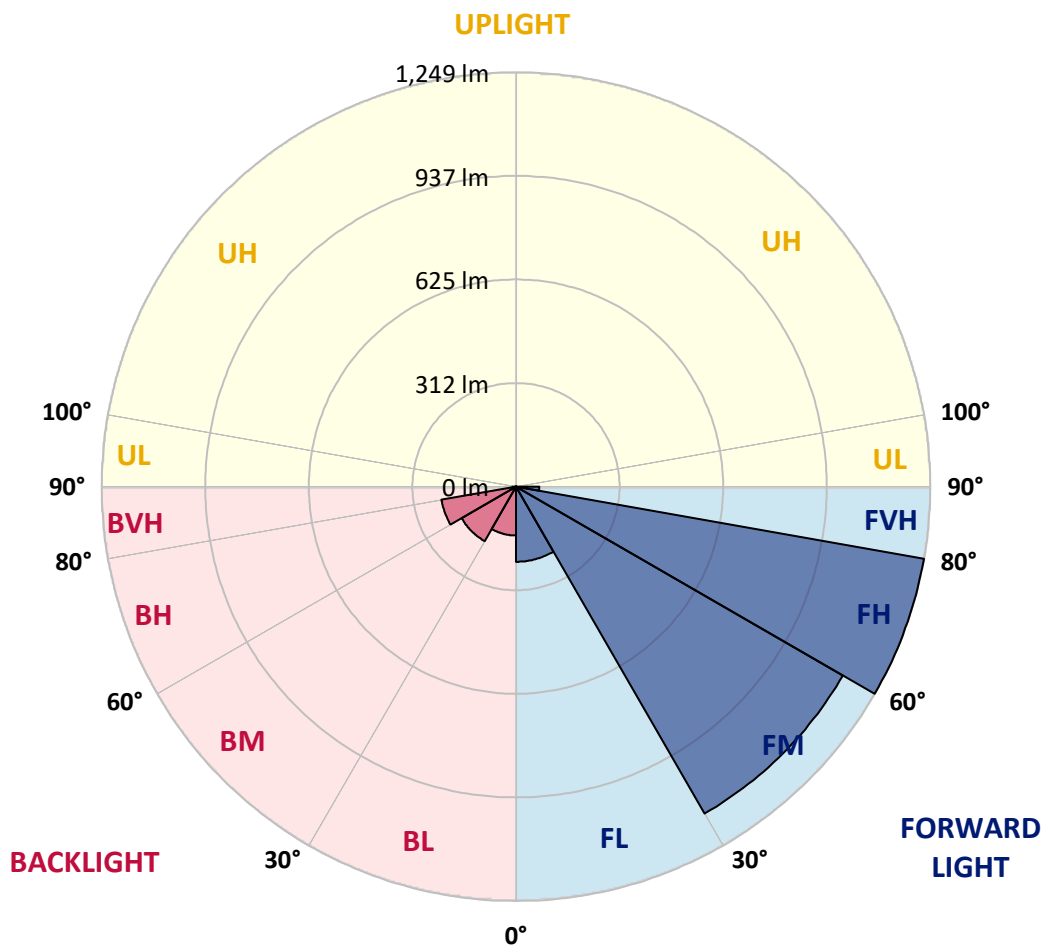


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.5	6.9			
FM (30°-60°)	1137.9	34.9			
FH (60°-80°)	1249.1	38.3			G1/1800
FVH (80°-90°)	70.4	2.2			G1/100
BL (0°-30°)	147.2	4.5	B1/500		
BM (30°-60°)	189.5	5.8	B0/220		
BH (60°-80°)	228.2	7.0	B1/500		G1/500
BVH (80°-90°)	10.8	0.3			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°	85°	90°
0°	703.6	703.6	703.6	703.6	703.6	703.6	703.6	703.6	703.6	703.6	703.6
2.5°	645.3	648.6	651.8	653.4	671.2	676.1	687.4	687.4	705.2	706.8	710.0
5°	577.4	590.3	598.4	600.0	621.1	630.8	656.6	674.4	692.2	705.2	718.1
7.5°	538.6	538.6	541.8	549.9	564.5	583.9	613.0	640.5	685.8	711.6	716.5
10°	499.8	503.0	506.2	511.1	530.5	541.8	577.4	619.4	664.7	714.9	727.8
12.5°	469.0	465.8	472.3	485.2	498.1	514.3	548.3	601.7	651.8	711.6	731.0
15°	3.2	451.2	454.5	459.3	475.5	501.4	532.1	580.6	645.3	718.1	735.9
17.5°	444.8	438.3	439.9	444.8	462.6	486.8	512.7	559.6	642.1	729.4	745.6
20°	439.9	436.7	438.3	439.9	449.6	470.7	504.6	549.9	635.6	724.6	742.4
22.5°	446.4	451.2	446.4	444.8	449.6	459.3	493.3	538.6	624.3	727.8	724.6
25°	480.4	478.7	472.3	462.6	452.9	454.5	491.7	535.3	608.1	724.6	711.6
27.5°	501.4	511.1	501.4	490.1	465.8	459.3	485.2	530.5	604.9	723.0	710.0
30°	553.1	548.3	548.3	524.0	494.9	470.7	486.8	525.6	601.7	710.0	680.9
32.5°	604.9	603.3	604.9	587.1	543.4	496.5	498.1	525.6	593.6	708.4	674.4
35°	674.4	668.0	671.2	661.5	601.7	537.0	511.1	533.7	585.5	705.2	658.3
37.5°	716.5	729.4	742.4	747.2	680.9	595.2	546.7	541.8	585.5	700.3	645.3
40°	799.0	792.5	821.6	832.9	782.8	671.2	582.2	561.2	603.3	708.4	634.0
42.5°	865.3	875.0	902.5	915.4	883.1	758.5	653.4	596.8	635.6	734.3	659.9
45°	993.1	1001.1	1022.2	1036.7	1001.1	863.7	745.6	671.2	680.9	786.0	685.8
47.5°	1107.9	1135.4	1127.3	1167.7	1154.8	1002.8	842.6	763.4	760.2	868.5	742.4
50°	1222.7	1211.4	1211.4	1268.0	1329.5	1185.5	985.0	900.9	887.9	970.4	816.8
52.5°	1242.1	1242.1	1237.3	1297.1	1460.5	1445.9	1187.1	1099.8	1048.0	1120.8	944.5
55°	1171.0	1180.7	1167.7	1250.2	1504.1	1704.7	1484.7	1339.2	1255.1	1345.6	1120.8
57.5°	994.7	973.6	959.1	1082.0	1428.1	1893.9	2005.5	1685.3	1496.1	1619.0	1386.1
60°	737.5	737.5	724.6	813.5	1166.1	1906.9	2458.4	2183.4	1803.4	1955.4	1706.3
62.5°	527.3	524.0	520.8	577.4	813.5	1674.0	2799.6	2870.8	2167.3	2363.0	2107.4
65°	367.1	365.5	360.7	410.8	524.0	1198.5	2827.1	3603.5	2563.5	2733.3	2476.2
67.5°	275.0	270.1	278.2	344.5	394.6	724.6	2450.3	4087.1	2954.9	2995.3	2688.0
70°	200.6	197.3	207.0	279.8	362.3	438.3	1714.4	4174.4	3053.6	2925.8	2605.6
72.5°	145.6	140.7	153.6	216.7	341.3	391.4	946.2	3588.9	2802.9	2484.3	2189.9
75°	98.7	97.0	103.5	160.1	315.4	380.1	485.2	2641.1	2201.2	1725.7	1403.9
77.5°	69.5	69.5	69.5	98.7	247.5	375.2	383.3	1531.6	1308.4	973.6	763.4
80°	51.8	51.8	53.4	66.3	166.6	380.1	360.7	724.6	562.8	328.3	257.2
82.5°	30.7	34.0	38.8	46.9	85.7	344.5	352.6	349.3	156.9	100.3	93.8
85°	16.2	16.2	22.6	32.3	50.1	247.5	339.6	262.0	84.1	56.6	53.4
87.5°	4.9	4.9	8.1	12.9	19.4	110.0	260.4	208.6	48.5	29.1	32.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	703.6	703.6	703.6	703.6	703.6	703.6	703.6	703.6	703.6	703.6
2.5°	714.9	710.0	714.9	705.2	692.2	679.3	684.1	680.9	677.7	676.1
5°	714.9	716.5	697.1	684.1	668.0	642.1	632.4	622.7	616.2	622.7
7.5°	719.7	701.9	669.6	646.9	613.0	582.2	561.2	540.2	524.0	522.4
10°	719.7	689.0	656.6	601.7	556.4	491.7	448.0	418.9	396.3	404.3
12.5°	723.0	685.8	617.8	541.8	472.3	393.0	331.6	294.4	276.6	278.2
15°	714.9	664.7	575.8	483.6	372.0	284.7	239.4	216.7	205.4	211.9
17.5°	714.9	645.3	525.6	391.4	278.2	207.0	181.1	177.9	176.3	176.3
20°	713.3	600.0	467.4	302.4	192.5	156.9	147.2	152.0	155.3	156.9
22.5°	682.5	567.7	384.9	216.7	143.9	129.4	129.4	134.2	140.7	143.9
25°	659.9	514.3	302.4	152.0	121.3	116.4	118.1	121.3	127.8	127.8
27.5°	638.9	470.7	229.7	122.9	110.0	110.0	111.6	114.8	119.7	118.1
30°	619.4	410.8	171.4	108.4	105.1	103.5	105.1	106.7	108.4	110.0
32.5°	600.0	359.1	131.0	103.5	101.9	100.3	100.3	98.7	100.3	98.7
35°	567.7	305.7	110.0	98.7	97.0	95.4	93.8	92.2	92.2	92.2
37.5°	551.5	257.2	103.5	95.4	93.8	92.2	89.0	89.0	89.0	87.3
40°	535.3	211.9	100.3	92.2	90.6	87.3	84.1	85.7	85.7	85.7
42.5°	533.7	176.3	97.0	90.6	87.3	82.5	80.9	82.5	82.5	80.9
45°	535.3	148.8	95.4	87.3	84.1	80.9	79.3	79.3	79.3	79.3
47.5°	564.5	131.0	92.2	85.7	82.5	79.3	76.0	74.4	74.4	76.0
50°	593.6	127.8	90.6	85.7	82.5	76.0	74.4	71.2	71.2	69.5
52.5°	655.0	126.2	89.0	84.1	79.3	72.8	69.5	66.3	64.7	66.3
55°	744.0	127.8	87.3	80.9	76.0	69.5	66.3	63.1	61.5	61.5
57.5°	946.2	129.4	85.7	79.3	72.8	64.7	61.5	58.2	58.2	56.6
60°	1211.4	139.1	84.1	74.4	67.9	61.5	58.2	55.0	53.4	53.4
62.5°	1547.8	139.1	87.3	72.8	63.1	56.6	53.4	51.8	50.1	48.5
65°	1837.3	160.1	95.4	69.5	56.6	51.8	48.5	46.9	45.3	45.3
67.5°	2002.3	176.3	108.4	71.2	53.4	46.9	45.3	42.1	42.1	42.1
70°	1848.6	200.6	122.9	76.0	48.5	43.7	40.4	38.8	37.2	37.2
72.5°	1510.6	173.1	121.3	72.8	43.7	38.8	37.2	34.0	32.3	32.3
75°	973.6	143.9	103.5	61.5	40.4	34.0	32.3	29.1	27.5	27.5
77.5°	514.3	100.3	72.8	48.5	34.0	30.7	27.5	24.3	22.6	22.6
80°	187.6	61.5	50.1	34.0	27.5	24.3	21.0	17.8	16.2	17.8
82.5°	77.6	38.8	30.7	22.6	19.4	17.8	14.6	12.9	11.3	11.3
85°	45.3	27.5	19.4	14.6	11.3	11.3	8.1	6.5	4.9	4.9
87.5°	25.9	17.8	8.1	16.2	6.5	3.2	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)