

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: P565278

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T3R**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565278
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-T3R
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T3R distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

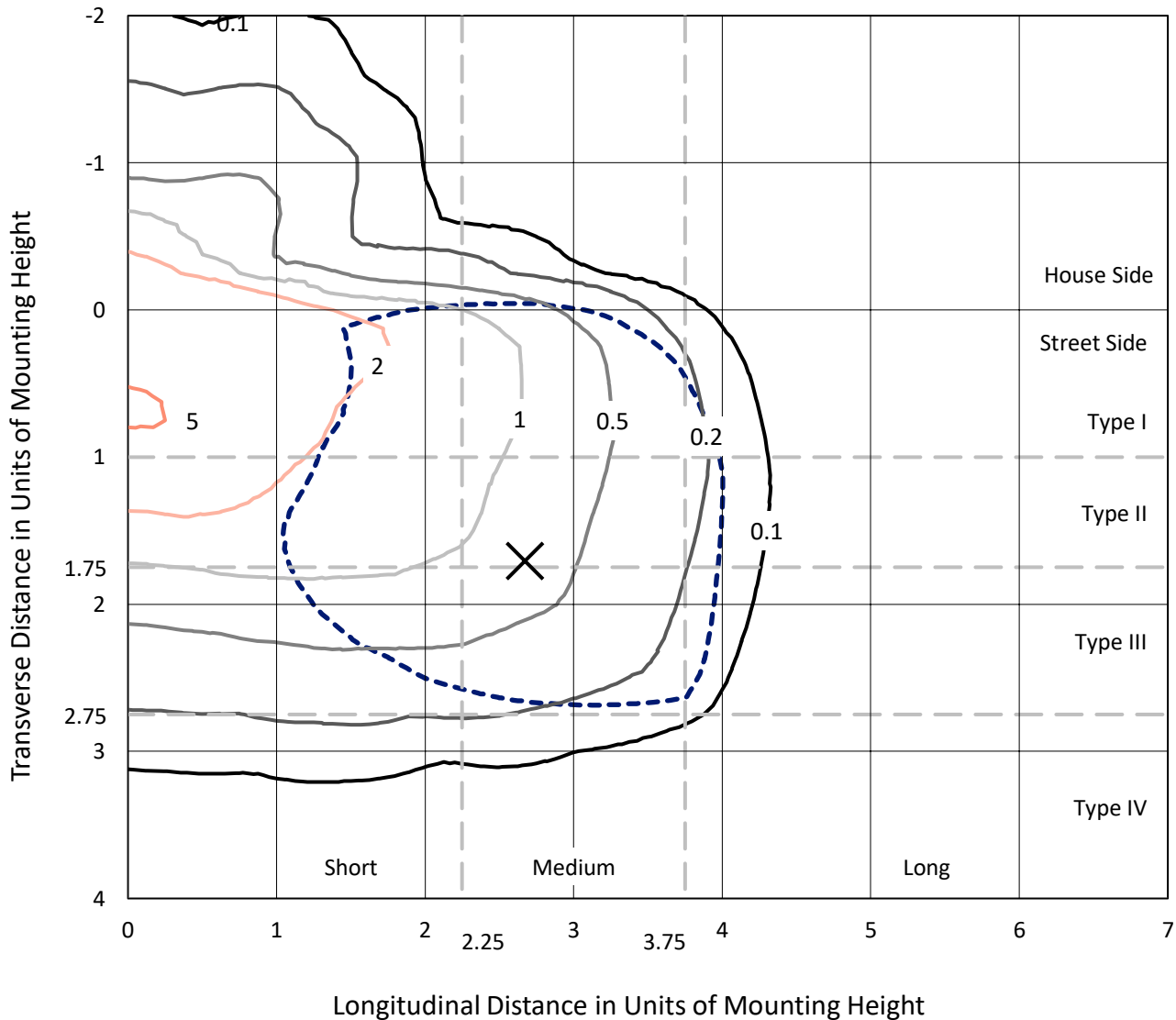
Lumens per Lamp: N/A
Luminaire Lumens: 3212.9 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

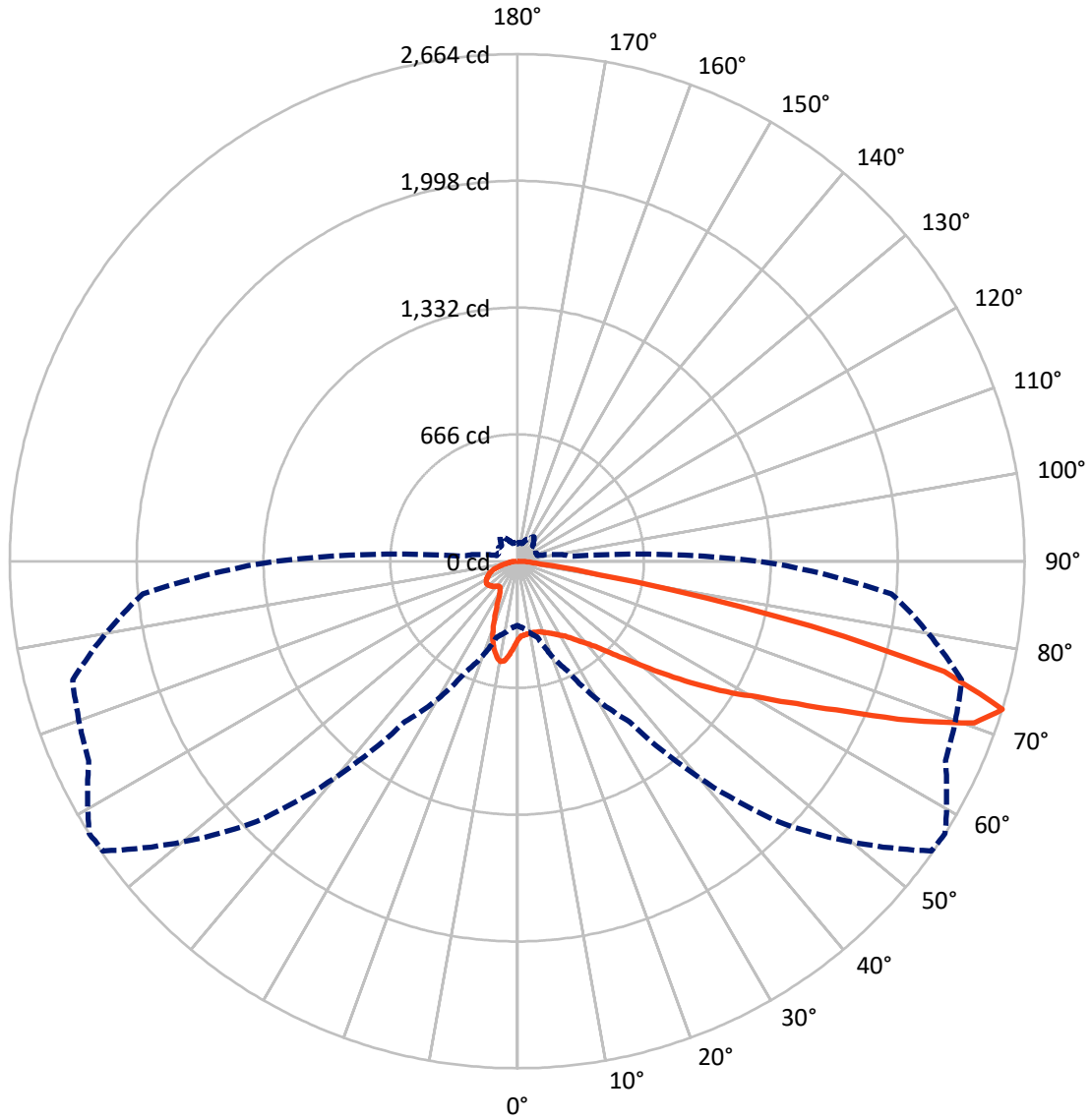
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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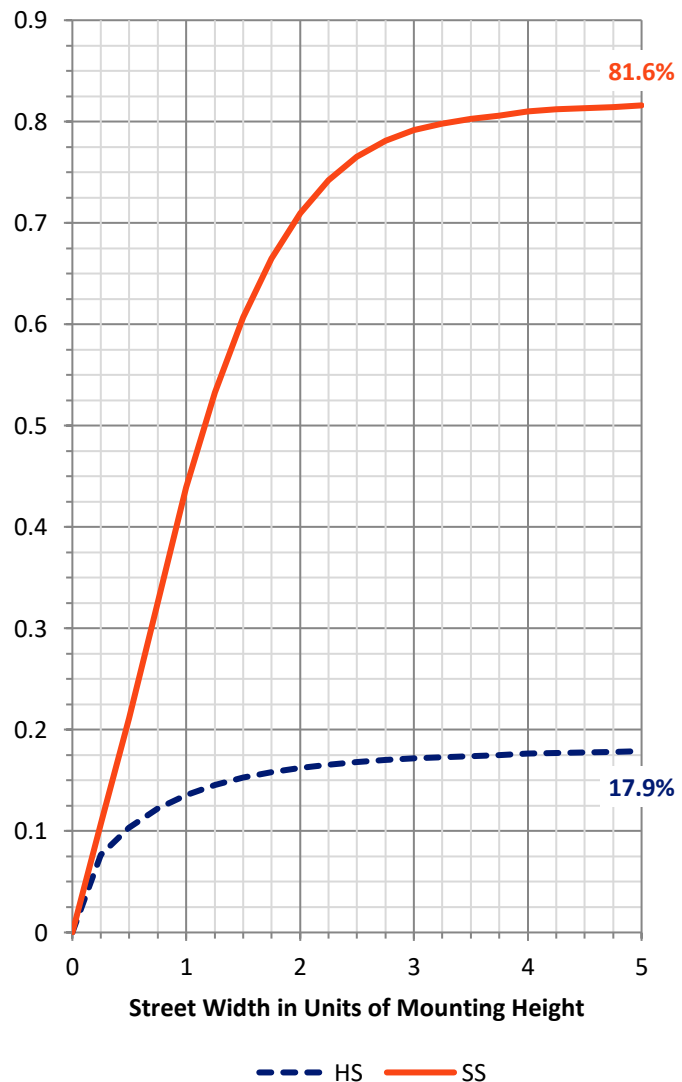
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.5	0.0	581.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2631.4	0.0	2631.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	3212.9	0.0	3212.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	1.3
10°-20°	114.4	3.6
20°-30°	190.6	5.9
30°-40°	297.3	9.3
40°-50°	445.5	13.9
50°-60°	610.1	19.0
60°-70°	845.1	26.3
70°-80°	619.4	19.3
80°-90°	49.5	1.5
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°	3212.9	100.0
0°-180°	3212.9	100.0

Coefficient of Utilization

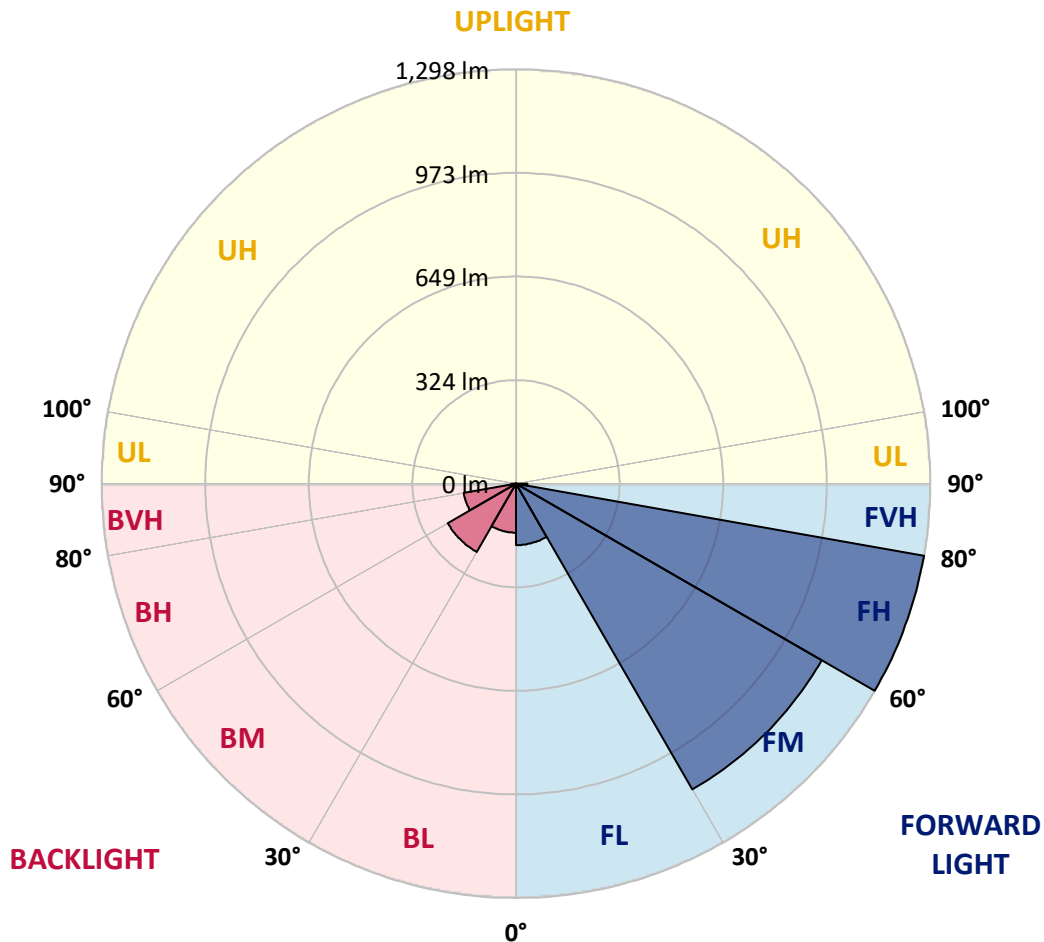


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.5	6.0			
FM (30°-60°)	1105.8	34.4			
FH (60°-80°)	1297.9	40.4			G1/1800
FVH (80°-90°)	35.2	1.1			G1/100
BL (0°-30°)	153.6	4.8	B1/500		
BM (30°-60°)	247.0	7.7	B1/1000		
BH (60°-80°)	166.6	5.2	B1/500		G1/500
BVH (80°-90°)	14.3	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0
2.5°	378.7	380.3	380.3	383.4	386.5	389.7	394.3	394.3	399.0	406.8	414.6
5°	355.4	358.5	360.0	366.3	371.0	378.7	388.1	389.7	395.9	406.8	423.9
7.5°	328.9	330.4	333.5	341.3	352.3	367.8	385.0	386.5	400.6	417.7	439.5
10°	311.7	313.3	313.3	319.5	333.5	355.4	380.3	385.0	403.7	428.6	456.7
12.5°	321.1	321.1	318.0	316.4	324.2	344.5	375.6	383.4	408.4	441.1	475.4
15°	344.5	341.3	336.7	327.3	327.3	341.3	377.2	386.5	419.3	455.1	494.1
17.5°	383.4	380.3	371.0	353.8	339.8	346.0	380.3	389.7	428.6	469.1	514.3
20°	456.7	450.4	431.7	397.5	367.8	358.5	388.1	399.0	438.0	478.5	525.3
22.5°	534.6	526.8	505.0	462.9	414.6	381.9	395.9	408.4	445.8	484.7	533.1
25°	620.3	612.5	589.2	537.7	472.3	413.0	411.5	420.8	456.7	491.0	542.4
27.5°	724.8	715.4	688.9	621.9	534.6	456.7	428.6	434.9	469.1	500.3	556.4
30°	816.7	808.9	780.9	707.6	603.2	500.3	448.9	452.0	483.2	515.9	575.1
32.5°	904.0	899.3	865.0	793.3	682.7	548.6	473.8	470.7	501.9	528.4	589.2
35°	986.6	986.6	952.3	877.5	765.3	604.8	505.0	498.8	517.5	534.6	601.6
37.5°	1050.5	1053.6	1033.4	967.9	847.9	673.3	548.6	531.5	531.5	550.2	631.2
40°	1064.5	1072.3	1092.6	1069.2	944.5	749.7	592.3	568.9	559.5	582.9	676.4
42.5°	1055.2	1073.9	1139.4	1165.9	1059.9	832.3	646.8	618.8	603.2	623.5	740.4
45°	1072.3	1091.0	1169.0	1234.4	1167.4	927.4	715.4	685.8	656.2	682.7	819.8
47.5°	1080.1	1095.7	1165.9	1270.3	1245.3	1027.1	801.1	768.4	731.0	757.5	910.2
50°	1083.3	1098.8	1172.1	1260.9	1275.0	1112.9	900.9	871.3	829.2	852.6	1027.1
52.5°	1077.0	1094.2	1169.0	1239.1	1250.0	1167.4	1022.5	994.4	952.3	978.8	1154.9
55°	874.4	897.8	1125.3	1207.9	1228.2	1197.0	1159.6	1140.9	1111.3	1147.2	1306.1
57.5°	813.6	829.2	957.0	1184.6	1242.2	1239.1	1295.2	1293.7	1278.1	1337.3	1469.8
60°	785.6	801.1	910.2	1164.3	1293.7	1346.7	1441.7	1446.4	1454.2	1566.4	1667.7
62.5°	734.1	749.7	874.4	1133.1	1368.5	1522.8	1642.8	1649.0	1667.7	1814.3	1882.8
65°	650.0	667.1	801.1	1083.3	1451.1	1731.6	1910.9	1900.0	1918.7	2077.7	2073.0
67.5°	579.8	595.4	707.6	1003.8	1468.2	1970.1	2222.6	2233.5	2172.7	2320.8	2238.2
70°	473.8	487.9	581.4	871.3	1357.6	2129.1	2554.6	2545.3	2419.0	2493.8	2272.5
72.5°	338.2	352.3	413.0	643.7	1030.3	1935.8	2654.4	2663.7	2481.3	2415.9	1973.2
75°	236.9	252.5	288.3	417.7	568.9	1357.6	2308.3	2316.1	2066.7	1868.8	1271.8
77.5°	137.2	145.0	177.7	254.1	258.7	607.9	1409.0	1393.4	1189.2	930.5	472.3
80°	68.6	84.2	112.2	127.8	120.0	196.4	436.4	442.7	381.9	324.2	138.7
82.5°	39.0	42.1	79.5	71.7	57.7	77.9	118.5	120.0	143.4	135.6	65.5
85°	24.9	31.2	54.6	42.1	26.5	32.7	62.3	65.5	76.4	67.0	29.6
87.5°	7.8	10.9	26.5	20.3	9.4	10.9	24.9	24.9	29.6	29.6	7.8
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°	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0
2.5°	422.4	428.6	436.4	442.7	453.6	458.2	461.4	467.6	467.6	467.6	464.5
5°	434.9	445.8	464.5	483.2	492.5	500.3	501.9	500.3	494.1	492.5	491.0
7.5°	453.6	470.7	503.4	523.7	528.4	515.9	495.6	478.5	466.0	458.2	461.4
10°	476.9	500.3	540.8	554.9	528.4	489.4	455.1	433.3	419.3	405.2	408.4
12.5°	500.3	533.1	576.7	558.0	500.3	448.9	408.4	383.4	364.7	355.4	358.5
15°	526.8	567.3	598.5	536.2	459.8	400.6	356.9	318.0	297.7	289.9	293.0
17.5°	553.3	598.5	606.3	501.9	414.6	342.9	285.2	265.0	260.3	260.3	260.3
20°	572.0	618.8	587.6	459.8	352.3	268.1	240.0	236.9	246.3	254.1	254.1
22.5°	589.2	631.2	553.3	409.9	277.4	219.8	215.1	227.6	238.5	247.8	249.4
25°	601.6	639.0	517.5	350.7	221.3	193.3	202.6	216.7	229.1	238.5	240.0
27.5°	620.3	642.2	478.5	274.3	182.4	180.8	190.2	202.6	213.5	222.9	224.4
30°	642.2	646.8	441.1	218.2	168.3	169.9	176.1	185.5	196.4	204.2	205.7
32.5°	656.2	639.0	386.5	179.2	163.7	163.7	165.2	171.4	179.2	183.9	185.5
35°	674.9	632.8	321.1	162.1	163.7	163.7	162.1	162.1	154.3	157.4	157.4
37.5°	701.4	621.9	254.1	155.9	168.3	169.9	166.8	146.5	140.3	137.2	137.2
40°	737.2	614.1	202.6	154.3	176.1	180.8	160.5	141.8	130.9	121.6	121.6
42.5°	779.3	604.8	166.8	155.9	185.5	193.3	160.5	137.2	121.6	118.5	120.0
45°	816.7	589.2	146.5	155.9	194.8	202.6	166.8	130.9	121.6	120.0	124.7
47.5°	849.5	564.2	141.8	157.4	201.1	204.2	168.3	134.0	120.0	130.9	143.4
50°	893.1	525.3	137.2	159.0	205.7	207.3	171.4	134.0	120.0	145.0	162.1
52.5°	944.5	476.9	134.0	155.9	213.5	208.9	176.1	137.2	123.1	138.7	146.5
55°	1013.1	423.9	130.9	152.7	213.5	201.1	179.2	146.5	121.6	124.7	129.4
57.5°	1094.2	394.3	126.2	146.5	208.9	185.5	183.9	149.6	115.3	124.7	126.2
60°	1203.3	395.9	123.1	141.8	201.1	174.6	183.9	149.6	112.2	116.9	118.5
62.5°	1342.0	422.4	129.4	141.8	187.0	166.8	182.4	152.7	112.2	120.0	124.7
65°	1468.2	452.0	140.3	140.3	173.0	154.3	180.8	149.6	109.1	115.3	115.3
67.5°	1546.2	461.4	141.8	135.6	162.1	140.3	174.6	145.0	107.5	115.3	113.8
70°	1530.6	425.5	132.5	123.1	143.4	129.4	165.2	137.2	102.9	113.8	106.0
72.5°	1271.8	294.6	112.2	106.0	120.0	115.3	155.9	127.8	96.6	98.2	88.8
75°	777.8	163.7	87.3	85.7	92.0	96.6	141.8	116.9	85.7	77.9	73.3
77.5°	255.6	84.2	67.0	65.5	65.5	74.8	120.0	101.3	74.8	60.8	59.2
80°	87.3	56.1	49.9	48.3	45.2	51.4	88.8	81.0	62.3	46.8	45.2
82.5°	54.6	37.4	35.8	35.8	31.2	31.2	51.4	57.7	48.3	40.5	28.1
85°	29.6	23.4	24.9	23.4	20.3	18.7	28.1	39.0	29.6	18.7	17.1
87.5°	9.4	9.4	9.4	9.4	7.8	6.2	4.7	10.9	12.5	7.8	6.2
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)