

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: P565282

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T3R**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565282
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-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

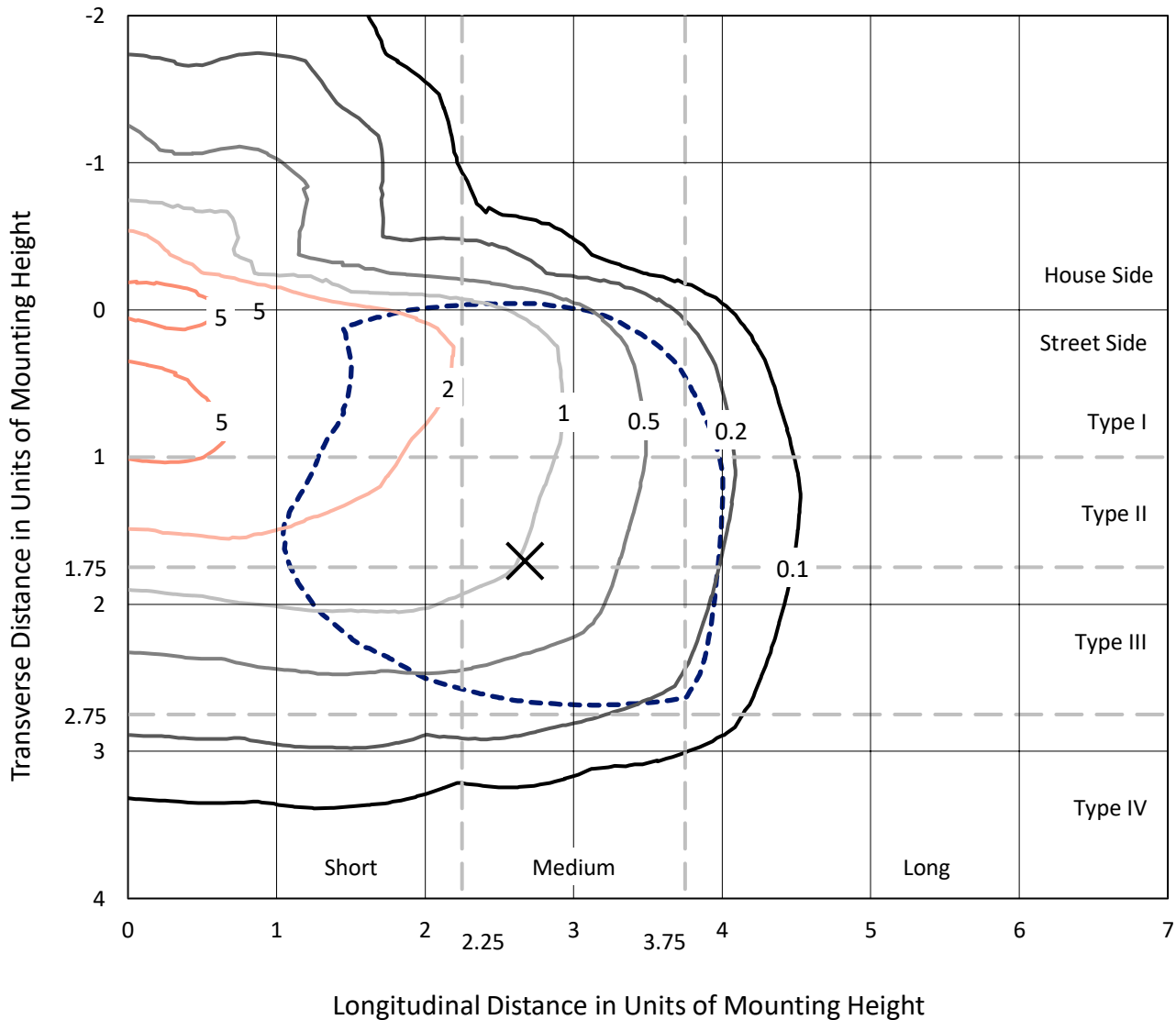
Lumens per Lamp: N/A
Luminaire Lumens: 4312.5 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 83
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

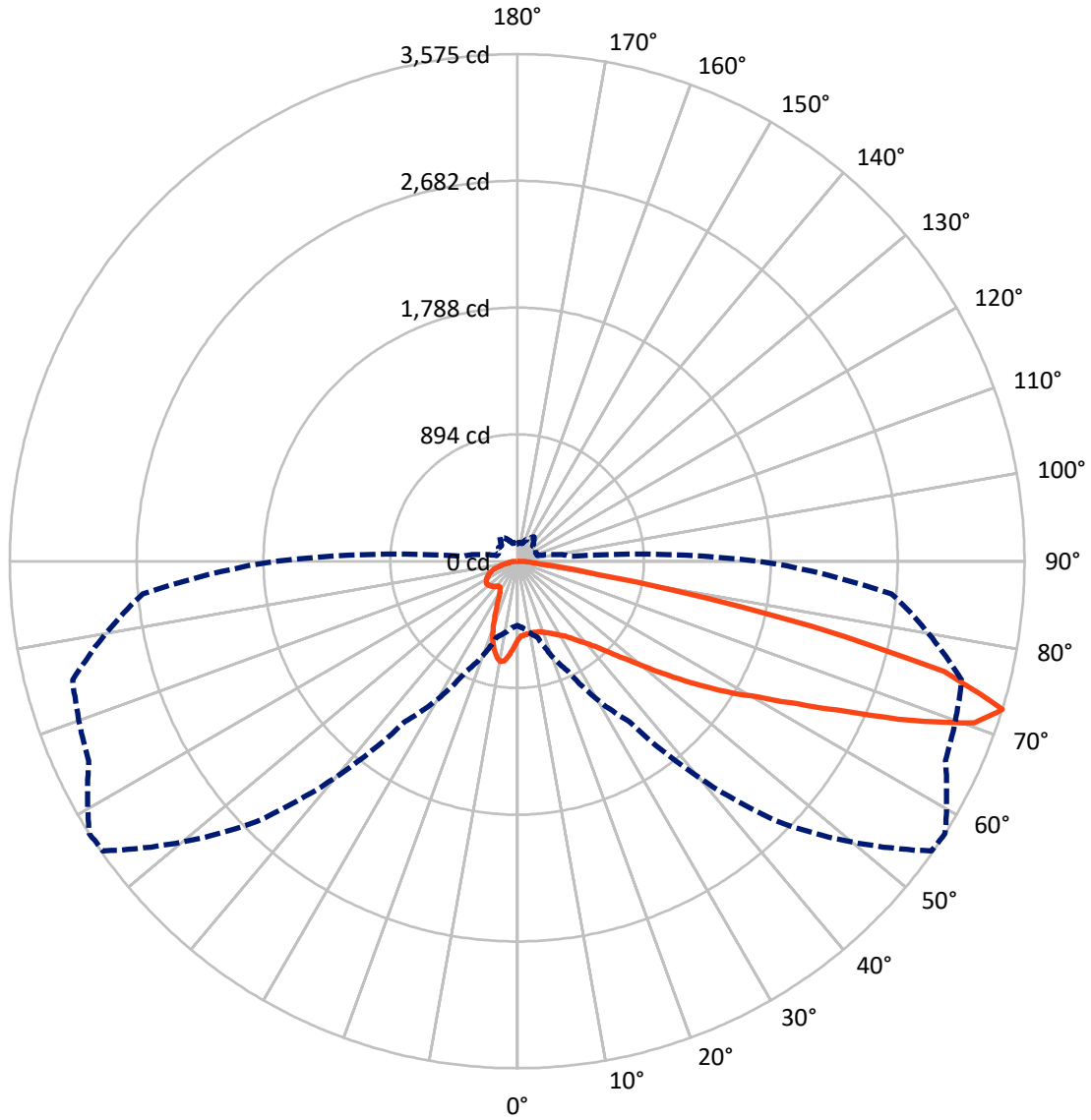
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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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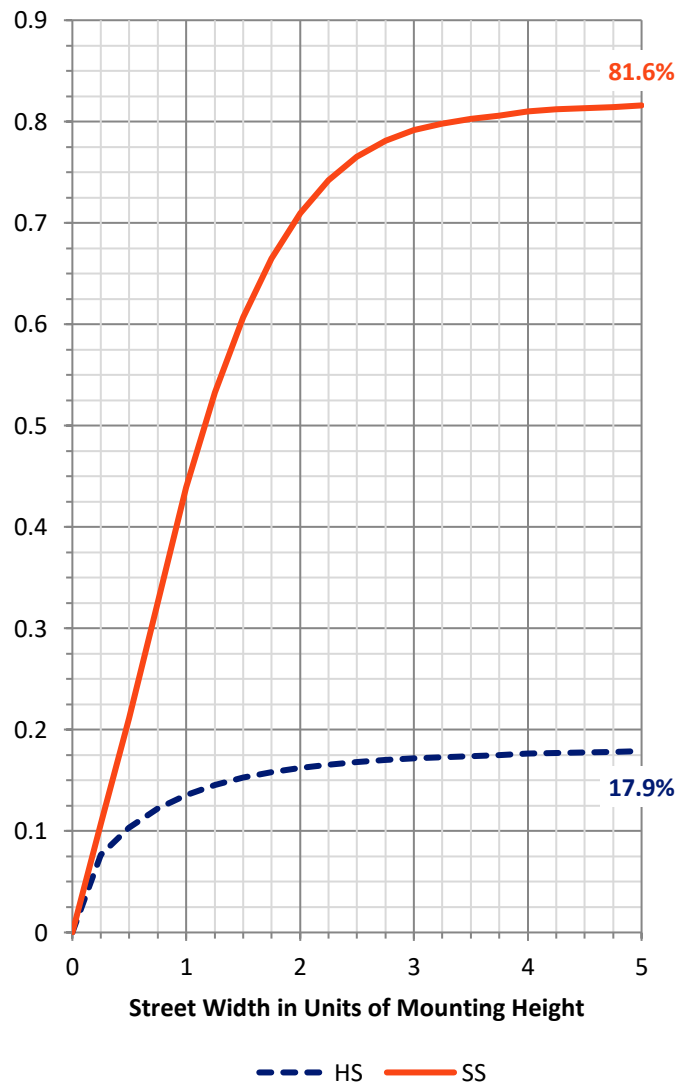
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	780.5	0.0	780.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3532.0	0.0	3532.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	4312.5	0.0	4312.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.3
10°-20°	153.6	3.6
20°-30°	255.9	5.9
30°-40°	399.0	9.3
40°-50°	598.0	13.9
50°-60°	818.9	19.0
60°-70°	1134.3	26.3
70°-80°	831.3	19.3
80°-90°	66.4	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°	4312.5	100.0
0°-180°	4312.5	100.0

Coefficient of Utilization

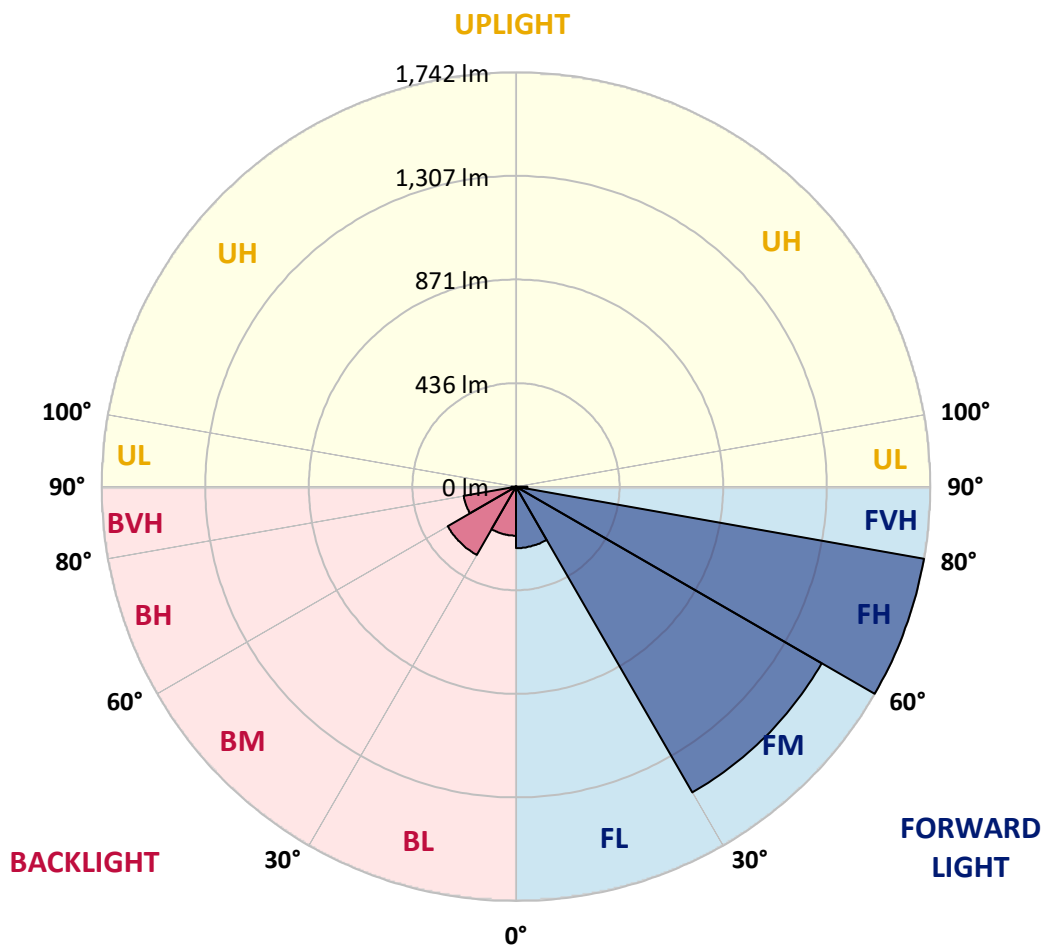


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.3	6.0			
FM (30°-60°)	1484.3	34.4			
FH (60°-80°)	1742.1	40.4			G1/1800
FVH (80°-90°)	47.3	1.1			G1/100
BL (0°-30°)	206.2	4.8	B1/500		
BM (30°-60°)	331.6	7.7	B1/1000		
BH (60°-80°)	223.6	5.2	B1/500		G1/500
BVH (80°-90°)	19.1	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°	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4
2.5°	508.4	510.5	510.5	514.7	518.8	523.0	529.3	529.3	535.6	546.0	556.5
5°	477.0	481.2	483.3	491.6	497.9	508.4	520.9	523.0	531.4	546.0	569.0
7.5°	441.4	443.5	447.7	458.2	472.8	493.7	516.7	518.8	537.7	560.7	590.0
10°	418.4	420.5	420.5	428.9	447.7	477.0	510.5	516.7	541.8	575.3	613.0
12.5°	431.0	431.0	426.8	424.7	435.2	462.3	504.2	514.7	548.1	592.1	638.1
15°	462.3	458.2	451.9	439.3	439.3	458.2	506.3	518.8	562.8	610.9	663.2
17.5°	514.7	510.5	497.9	474.9	456.1	464.4	510.5	523.0	575.3	629.7	690.4
20°	613.0	604.6	579.5	533.5	493.7	481.2	520.9	535.6	587.9	642.3	705.0
22.5°	717.6	707.1	677.8	621.3	556.5	512.6	531.4	548.1	598.3	650.6	715.5
25°	832.6	822.2	790.8	721.8	633.9	554.4	552.3	564.9	613.0	659.0	728.0
27.5°	972.8	960.3	924.7	834.7	717.6	613.0	575.3	583.7	629.7	671.6	746.9
30°	1096.2	1085.8	1048.1	949.8	809.6	671.6	602.5	606.7	648.5	692.5	772.0
32.5°	1213.4	1207.1	1161.1	1064.9	916.3	736.4	636.0	631.8	673.6	709.2	790.8
35°	1324.3	1324.3	1278.3	1177.8	1027.2	811.7	677.8	669.5	694.6	717.6	807.5
37.5°	1410.1	1414.2	1387.0	1299.2	1138.1	903.8	736.4	713.4	713.4	738.5	847.3
40°	1428.9	1439.3	1466.5	1435.2	1267.8	1006.3	795.0	763.6	751.1	782.4	908.0
42.5°	1416.3	1441.4	1529.3	1564.9	1422.6	1117.2	868.2	830.6	809.6	836.8	993.7
45°	1439.3	1464.5	1569.1	1656.9	1567.0	1244.8	960.3	920.5	880.8	916.3	1100.4
47.5°	1449.8	1470.7	1564.9	1705.0	1671.6	1378.7	1075.3	1031.4	981.2	1016.7	1221.8
50°	1454.0	1474.9	1573.2	1692.5	1711.3	1493.7	1209.2	1169.5	1113.0	1144.4	1378.7
52.5°	1445.6	1468.6	1569.1	1663.2	1677.8	1567.0	1372.4	1334.7	1278.3	1313.8	1550.2
55°	1173.7	1205.0	1510.5	1621.4	1648.6	1606.7	1556.5	1531.4	1491.6	1539.8	1753.2
57.5°	1092.1	1113.0	1284.5	1590.0	1667.4	1663.2	1738.5	1736.4	1715.5	1795.0	1972.8
60°	1054.4	1075.3	1221.8	1562.8	1736.4	1807.6	1935.2	1941.4	1951.9	2102.5	2238.5
62.5°	985.4	1006.3	1173.7	1520.9	1836.8	2044.0	2205.0	2213.4	2238.5	2435.2	2527.2
65°	872.4	895.4	1075.3	1454.0	1947.7	2324.3	2564.9	2550.2	2575.3	2788.7	2782.5
67.5°	778.3	799.2	949.8	1347.3	1970.7	2644.4	2983.3	2997.9	2916.4	3115.1	3004.2
70°	636.0	654.8	780.3	1169.5	1822.2	2857.8	3428.9	3416.4	3246.9	3347.3	3050.2
72.5°	454.0	472.8	554.4	864.0	1382.9	2598.4	3562.8	3575.4	3330.6	3242.7	2648.6
75°	318.0	338.9	387.0	560.7	763.6	1822.2	3098.4	3108.8	2774.1	2508.4	1707.1
77.5°	184.1	194.6	238.5	341.0	347.3	815.9	1891.2	1870.3	1596.3	1249.0	633.9
80°	92.1	113.0	150.6	171.6	161.1	263.6	585.8	594.1	512.6	435.2	186.2
82.5°	52.3	56.5	106.7	96.2	77.4	104.6	159.0	161.1	192.5	182.0	87.9
85°	33.5	41.8	73.2	56.5	35.6	43.9	83.7	87.9	102.5	90.0	39.7
87.5°	10.5	14.6	35.6	27.2	12.6	14.6	33.5	33.5	39.7	39.7	10.5
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°	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4	554.4
2.5°	567.0	575.3	585.8	594.1	608.8	615.1	619.3	627.6	627.6	627.6	623.4
5°	583.7	598.3	623.4	648.5	661.1	671.6	673.6	671.6	663.2	661.1	659.0
7.5°	608.8	631.8	675.7	702.9	709.2	692.5	665.3	642.3	625.5	615.1	619.3
10°	640.2	671.6	726.0	744.8	709.2	656.9	610.9	581.6	562.8	543.9	548.1
12.5°	671.6	715.5	774.1	749.0	671.6	602.5	548.1	514.7	489.5	477.0	481.2
15°	707.1	761.5	803.4	719.7	617.2	537.7	479.1	426.8	399.6	389.1	393.3
17.5°	742.7	803.4	813.8	673.6	556.5	460.3	382.8	355.7	349.4	349.4	349.4
20°	767.8	830.6	788.7	617.2	472.8	359.8	322.2	318.0	330.5	341.0	341.0
22.5°	790.8	847.3	742.7	550.2	372.4	295.0	288.7	305.4	320.1	332.6	334.7
25°	807.5	857.8	694.6	470.7	297.1	259.4	272.0	290.8	307.5	320.1	322.2
27.5°	832.6	861.9	642.3	368.2	244.8	242.7	255.2	272.0	286.6	299.2	301.3
30°	861.9	868.2	592.1	292.9	225.9	228.0	236.4	249.0	263.6	274.1	276.2
32.5°	880.8	857.8	518.8	240.6	219.7	219.7	221.8	230.1	240.6	246.9	249.0
35°	905.9	849.4	431.0	217.6	219.7	219.7	217.6	217.6	207.1	211.3	211.3
37.5°	941.4	834.7	341.0	209.2	225.9	228.0	223.9	196.7	188.3	184.1	184.1
40°	989.6	824.3	272.0	207.1	236.4	242.7	215.5	190.4	175.7	163.2	163.2
42.5°	1046.0	811.7	223.9	209.2	249.0	259.4	215.5	184.1	163.2	159.0	161.1
45°	1096.2	790.8	196.7	209.2	261.5	272.0	223.9	175.7	163.2	161.1	167.4
47.5°	1140.2	757.3	190.4	211.3	269.9	274.1	225.9	179.9	161.1	175.7	192.5
50°	1198.8	705.0	184.1	213.4	276.2	278.2	230.1	179.9	161.1	194.6	217.6
52.5°	1267.8	640.2	179.9	209.2	286.6	280.3	236.4	184.1	165.3	186.2	196.7
55°	1359.8	569.0	175.7	205.0	286.6	269.9	240.6	196.7	163.2	167.4	173.6
57.5°	1468.6	529.3	169.5	196.7	280.3	249.0	246.9	200.8	154.8	167.4	169.5
60°	1615.1	531.4	165.3	190.4	269.9	234.3	246.9	200.8	150.6	156.9	159.0
62.5°	1801.3	567.0	173.6	190.4	251.0	223.9	244.8	205.0	150.6	161.1	167.4
65°	1970.7	606.7	188.3	188.3	232.2	207.1	242.7	200.8	146.4	154.8	154.8
67.5°	2075.3	619.3	190.4	182.0	217.6	188.3	234.3	194.6	144.4	154.8	152.7
70°	2054.4	571.1	177.8	165.3	192.5	173.6	221.8	184.1	138.1	152.7	142.3
72.5°	1707.1	395.4	150.6	142.3	161.1	154.8	209.2	171.6	129.7	131.8	119.2
75°	1043.9	219.7	117.2	115.1	123.4	129.7	190.4	156.9	115.1	104.6	98.3
77.5°	343.1	113.0	90.0	87.9	87.9	100.4	161.1	136.0	100.4	81.6	79.5
80°	117.2	75.3	66.9	64.9	60.7	69.0	119.2	108.8	83.7	62.8	60.7
82.5°	73.2	50.2	48.1	48.1	41.8	41.8	69.0	77.4	64.9	54.4	37.7
85°	39.7	31.4	33.5	31.4	27.2	25.1	37.7	52.3	39.7	25.1	23.0
87.5°	12.6	12.6	12.6	12.6	10.5	8.4	6.3	14.6	16.7	10.5	8.4
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)