

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: P565274

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T3**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565274  
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-T3  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T3 distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

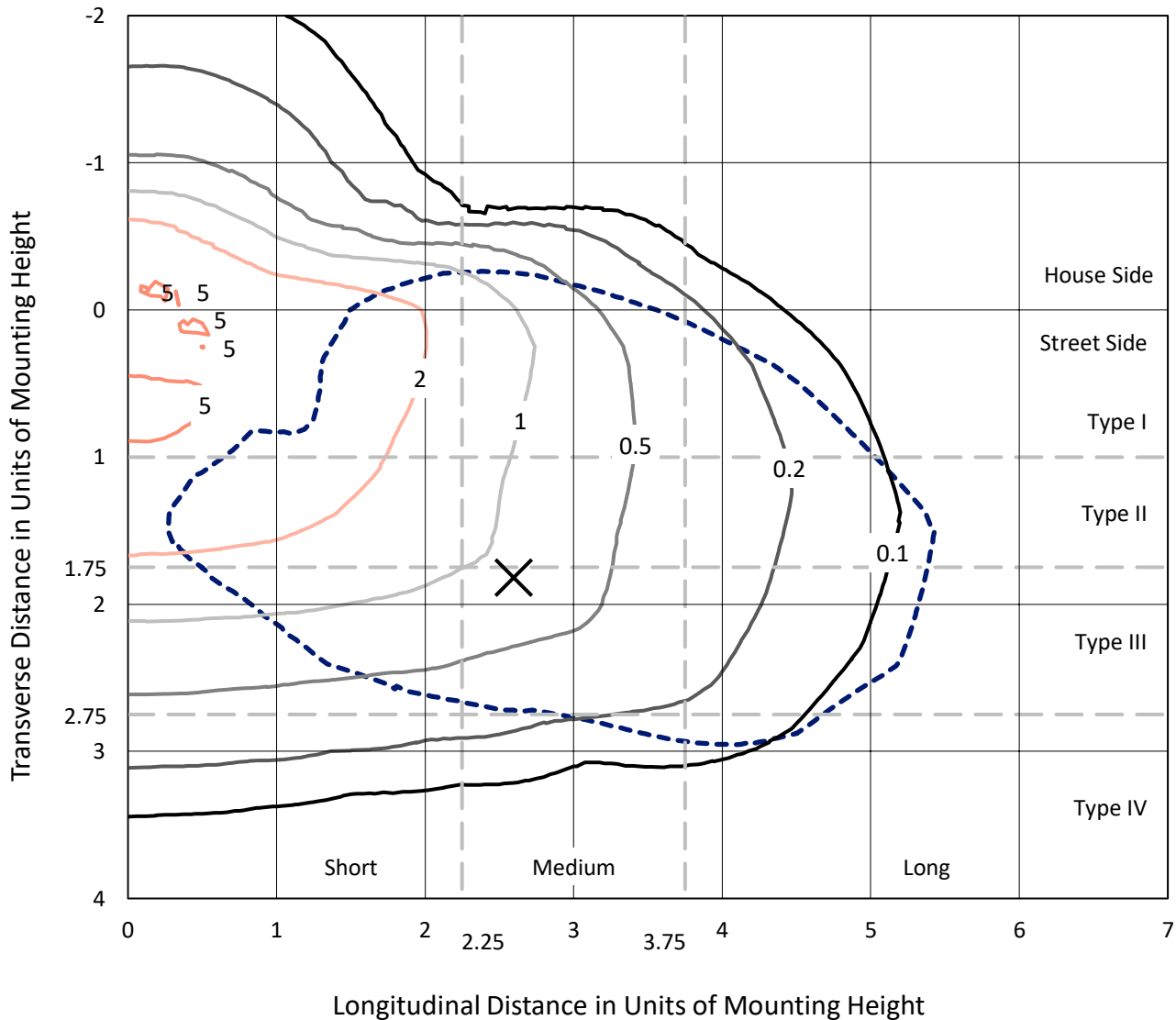
Lumens per Lamp: N/A  
Luminaire Lumens: 4471.6 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

REPORT NUMBER: P565274  
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

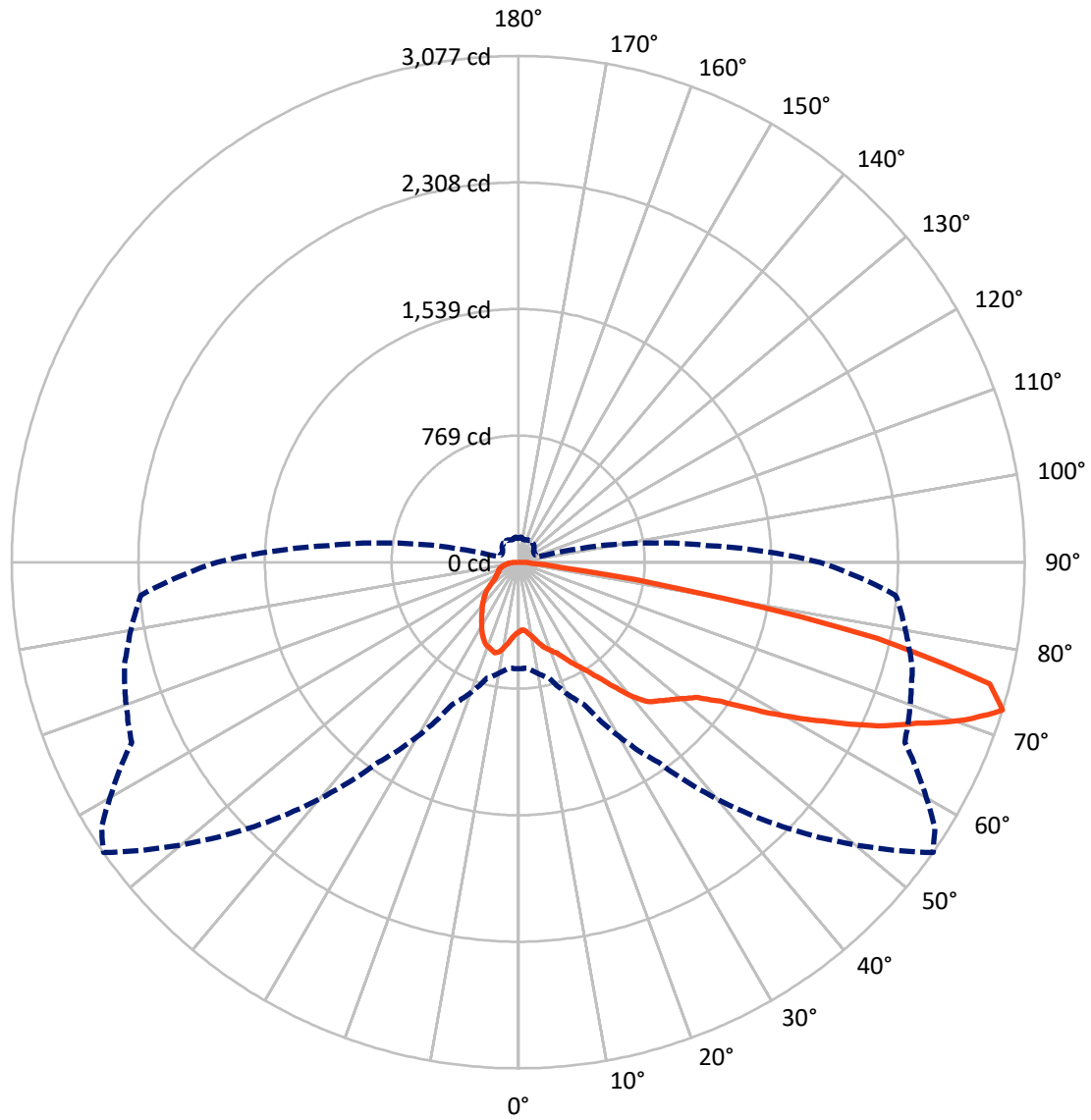
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P565274  
CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P565274  
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T3

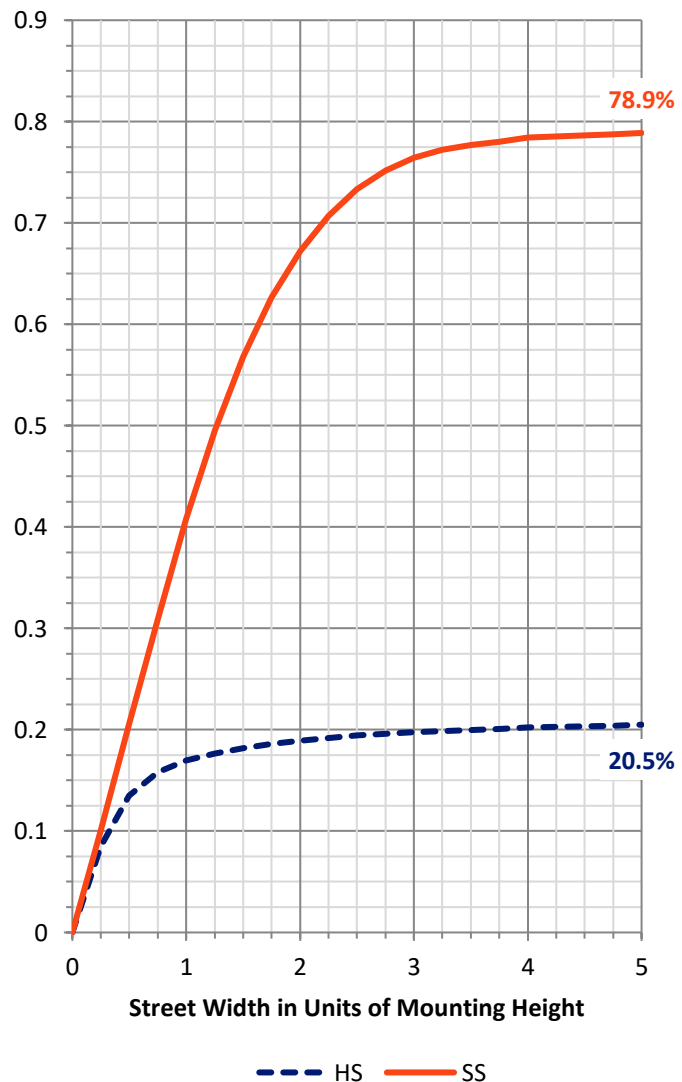
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	933.8	0.0	933.8
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	3537.7	0.0	3537.7
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	4471.6	0.0	4471.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	1.0
10°-20°	152.9	3.4
20°-30°	274.3	6.1
30°-40°	414.4	9.3
40°-50°	600.8	13.4
50°-60°	863.4	19.3
60°-70°	1141.3	25.5
70°-80°	861.3	19.3
80°-90°	119.3	2.7
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°	4471.6	100.0
0°-180°	4471.6	100.0

**Coefficient of Utilization**

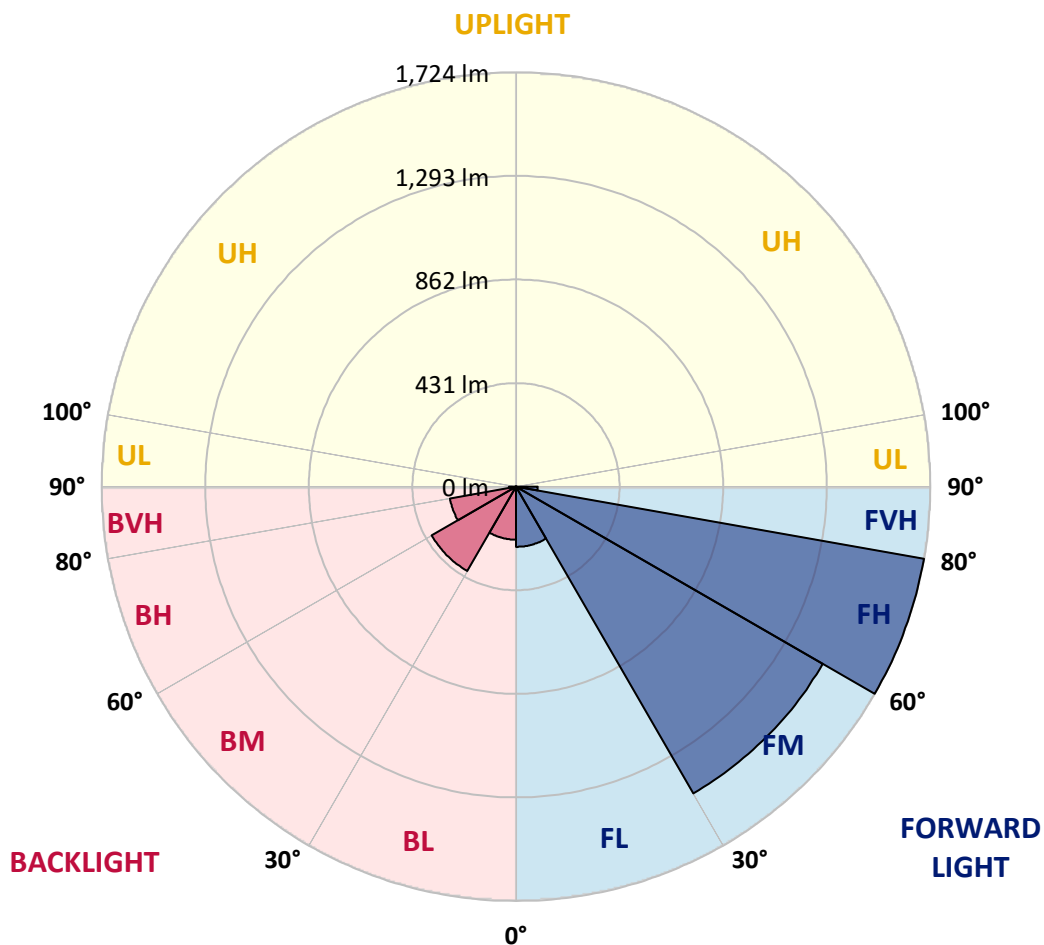


REPORT NUMBER: P565274  
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.4	5.6			
FM (30°-60°)	1473.4	33.0			
FH (60°-80°)	1723.5	38.5			G1/1800
FVH (80°-90°)	90.4	2.0			G1/100
BL (0°-30°)	220.7	4.9	B1/500		
BM (30°-60°)	405.2	9.1	B1/1000		
BH (60°-80°)	279.1	6.2	B1/500		G1/500
BVH (80°-90°)	28.9	0.6			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





REPORT NUMBER: P565274  
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9
2.5°	400.9	407.7	407.7	407.7	410.0	412.2	412.2	414.5	423.6	421.4	428.2
5°	412.2	416.8	414.5	416.8	419.1	414.5	416.8	416.8	425.9	430.5	441.9
7.5°	425.9	432.7	428.2	437.3	435.0	435.0	437.3	435.0	435.0	441.9	460.1
10°	462.4	464.6	462.4	460.1	455.5	457.8	460.1	460.1	464.6	466.9	478.3
12.5°	492.0	496.5	498.8	489.7	485.1	485.1	489.7	489.7	498.8	501.1	507.9
15°	526.1	526.1	526.1	519.3	519.3	510.2	523.9	523.9	528.4	533.0	537.5
17.5°	555.7	551.2	551.2	539.8	539.8	542.1	551.2	551.2	562.6	562.6	569.4
20°	580.8	578.5	578.5	564.8	555.7	562.6	574.0	580.8	601.3	603.6	599.0
22.5°	621.8	624.1	621.8	596.7	587.6	583.1	601.3	605.8	640.0	644.6	630.9
25°	681.0	685.6	676.5	644.6	628.6	615.0	642.3	646.8	676.5	676.5	667.3
27.5°	735.7	744.8	731.1	706.1	678.7	662.8	692.4	699.2	733.4	731.1	685.6
30°	815.4	806.3	797.2	792.6	765.3	733.4	740.2	751.6	769.8	774.4	724.3
32.5°	931.5	911.0	892.8	872.3	847.3	817.7	799.4	804.0	831.3	801.7	747.1
35°	1040.9	1020.4	1002.2	974.8	931.5	904.2	874.6	879.2	881.4	863.2	772.1
37.5°	1125.1	1113.8	1106.9	1063.6	1031.8	993.0	972.5	972.5	942.9	883.7	815.4
40°	1173.0	1188.9	1191.2	1143.4	1136.5	1079.6	1079.6	1070.5	1009.0	917.9	835.9
42.5°	1209.4	1220.8	1239.0	1216.2	1216.2	1191.2	1161.6	1141.1	1047.7	970.3	892.8
45°	1273.2	1277.7	1305.1	1311.9	1289.1	1300.5	1202.6	1159.3	1077.3	1045.4	970.3
47.5°	1343.8	1350.6	1407.6	1421.2	1391.6	1400.7	1248.1	1186.6	1141.1	1141.1	1065.9
50°	1403.0	1407.6	1485.0	1512.3	1526.0	1546.5	1302.8	1241.3	1211.7	1280.0	1182.1
52.5°	1437.2	1434.9	1507.8	1576.1	1649.0	1687.7	1366.6	1337.0	1350.6	1446.3	1334.7
55°	1450.8	1473.6	1551.1	1614.8	1760.6	1781.1	1491.8	1464.5	1530.6	1649.0	1507.8
57.5°	1494.1	1460.0	1569.3	1655.8	1833.5	1892.7	1692.3	1664.9	1710.5	1822.1	1687.7
60°	1457.7	1450.8	1521.4	1680.9	1922.3	1992.9	1910.9	1897.3	1926.9	1983.8	1915.5
62.5°	1359.7	1387.1	1480.5	1651.3	1929.1	2127.3	2138.7	2161.5	2138.7	2207.0	2175.1
65°	1264.1	1280.0	1357.5	1578.4	1913.2	2204.7	2400.6	2409.7	2332.3	2382.4	2441.6
67.5°	1193.5	1200.3	1280.0	1494.1	1867.6	2298.1	2612.4	2591.9	2478.0	2496.3	2544.1
70°	1031.8	1045.4	1104.6	1337.0	1790.2	2400.6	2878.9	2863.0	2564.6	2480.3	2509.9
72.5°	649.1	644.6	731.1	958.9	1487.3	2273.1	3077.1	3001.9	2591.9	2478.0	2302.7
75°	282.4	280.1	325.7	435.0	815.4	1680.9	2958.6	3004.2	2680.8	2489.4	1979.2
77.5°	100.2	100.2	120.7	166.3	293.8	701.5	2229.8	2432.5	2407.4	2223.0	1434.9
80°	61.5	61.5	79.7	95.7	123.0	191.3	1031.8	1234.5	1548.8	1494.1	781.2
82.5°	41.0	41.0	59.2	66.1	82.0	86.5	266.5	359.9	601.3	710.6	316.6
85°	36.4	34.2	41.0	43.3	52.4	45.6	84.3	95.7	193.6	264.2	79.7
87.5°	11.4	11.4	25.1	22.8	25.1	15.9	36.4	43.3	50.1	77.4	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P565274  
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9
2.5°	437.3	430.5	439.6	439.6	437.3	444.1	448.7	448.7	446.4	448.7	448.7
5°	444.1	446.4	455.5	457.8	462.4	464.6	469.2	476.0	480.6	478.3	480.6
7.5°	460.1	464.6	476.0	482.9	494.2	498.8	501.1	507.9	512.5	507.9	505.6
10°	489.7	492.0	503.4	519.3	528.4	528.4	530.7	523.9	523.9	526.1	526.1
12.5°	512.5	528.4	542.1	551.2	558.0	548.9	537.5	535.2	523.9	530.7	533.0
15°	539.8	548.9	567.1	580.8	569.4	548.9	544.4	539.8	535.2	537.5	537.5
17.5°	574.0	576.2	599.0	587.6	555.7	548.9	544.4	546.6	542.1	542.1	537.5
20°	594.5	615.0	617.2	585.3	546.6	533.0	533.0	533.0	539.8	535.2	530.7
22.5°	621.8	628.6	628.6	560.3	535.2	521.6	521.6	521.6	517.0	510.2	512.5
25°	651.4	644.6	615.0	542.1	507.9	501.1	485.1	480.6	478.3	480.6	476.0
27.5°	685.6	669.6	608.1	517.0	482.9	469.2	448.7	432.7	423.6	423.6	421.4
30°	697.0	687.8	587.6	489.7	451.0	425.9	394.0	371.3	350.8	348.5	348.5
32.5°	722.0	697.0	574.0	476.0	421.4	373.5	334.8	312.0	300.6	302.9	307.5
35°	742.5	710.6	571.7	453.2	389.5	332.5	293.8	280.1	271.0	261.9	264.2
37.5°	776.7	731.1	562.6	439.6	364.4	300.6	268.8	252.8	236.9	223.2	223.2
40°	801.7	760.7	560.3	423.6	341.6	275.6	252.8	234.6	211.8	195.9	195.9
42.5°	847.3	788.1	548.9	405.4	316.6	261.9	234.6	214.1	184.5	168.5	168.5
45°	929.3	835.9	542.1	375.8	291.5	243.7	216.4	186.8	170.8	154.9	157.2
47.5°	1018.1	908.8	539.8	355.3	266.5	223.2	186.8	175.4	159.4	148.0	148.0
50°	1118.3	997.6	535.2	321.1	234.6	198.2	170.8	161.7	150.3	143.5	143.5
52.5°	1250.4	1056.8	530.7	284.7	200.4	175.4	164.0	154.9	148.0	141.2	141.2
55°	1419.0	1182.1	523.9	232.3	175.4	168.5	157.2	150.3	148.0	138.9	141.2
57.5°	1617.1	1298.2	498.8	191.3	161.7	161.7	157.2	154.9	152.6	143.5	143.5
60°	1842.6	1464.5	444.1	164.0	150.3	157.2	157.2	152.6	152.6	148.0	143.5
62.5°	2127.3	1644.4	325.7	150.3	141.2	145.8	152.6	148.0	145.8	150.3	148.0
65°	2323.2	1778.8	227.8	136.7	132.1	138.9	148.0	148.0	145.8	161.7	161.7
67.5°	2279.9	1710.5	170.8	125.3	127.5	134.4	154.9	157.2	148.0	170.8	170.8
70°	2150.1	1519.2	136.7	118.4	123.0	152.6	157.2	150.3	143.5	164.0	159.4
72.5°	1833.5	1152.5	125.3	111.6	113.9	136.7	150.3	148.0	141.2	152.6	143.5
75°	1391.6	731.1	111.6	100.2	100.2	118.4	145.8	141.2	127.5	127.5	125.3
77.5°	870.0	366.7	91.1	91.1	88.8	102.5	132.1	129.8	113.9	111.6	109.3
80°	407.7	173.1	75.2	77.4	75.2	86.5	111.6	109.3	97.9	93.4	91.1
82.5°	166.3	86.5	66.1	68.3	61.5	70.6	93.4	91.1	82.0	79.7	70.6
85°	61.5	52.4	52.4	52.4	45.6	47.8	63.8	63.8	52.4	43.3	43.3
87.5°	22.8	27.3	31.9	34.2	20.5	20.5	31.9	34.2	25.1	15.9	15.9
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)