

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: P565258

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T2**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565258  
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-T2  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T2 distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

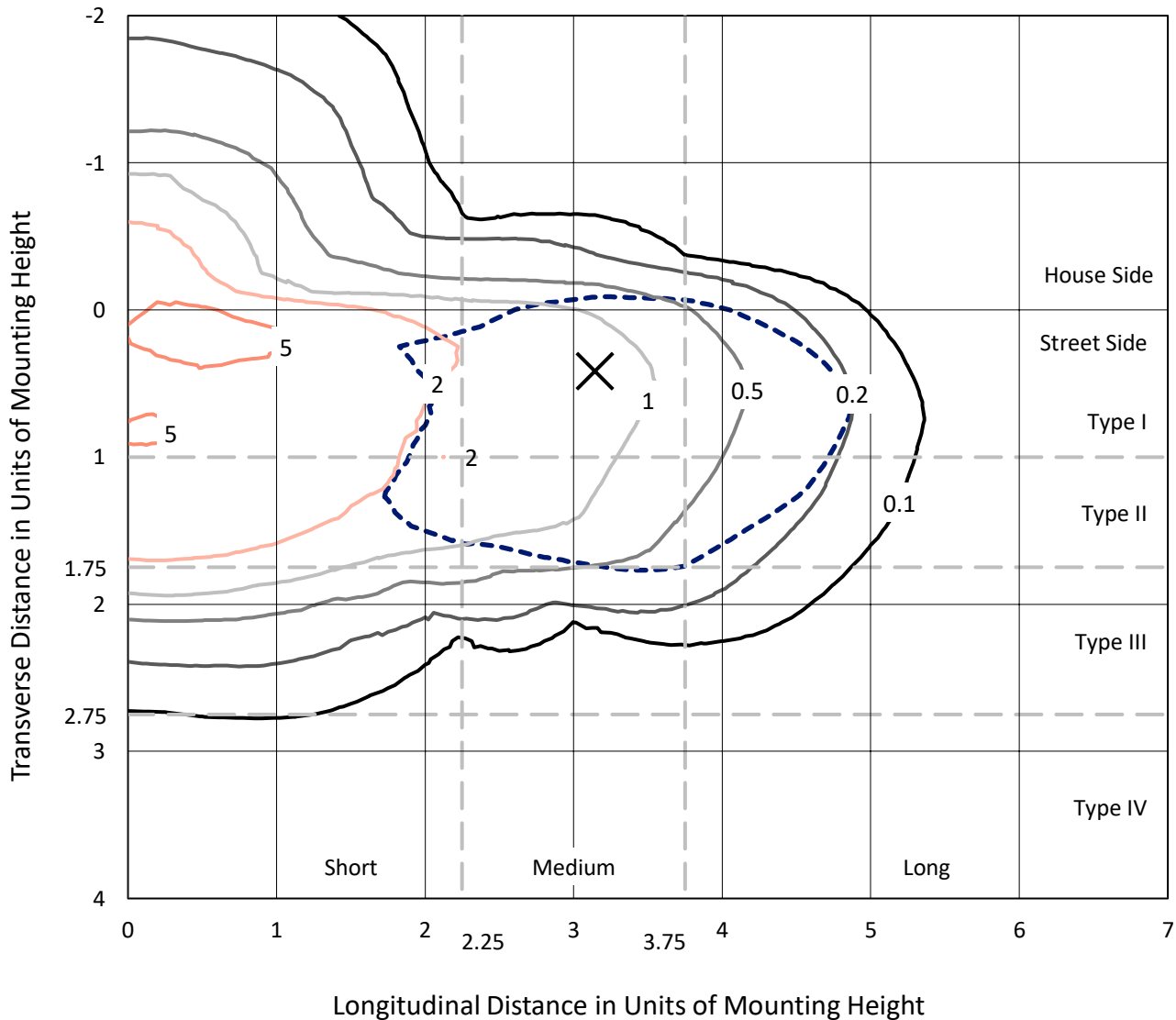
Lumens per Lamp: N/A  
Luminaire Lumens: 4383.7 lumens  
Efficiency: N/A  
Efficacy: 52.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

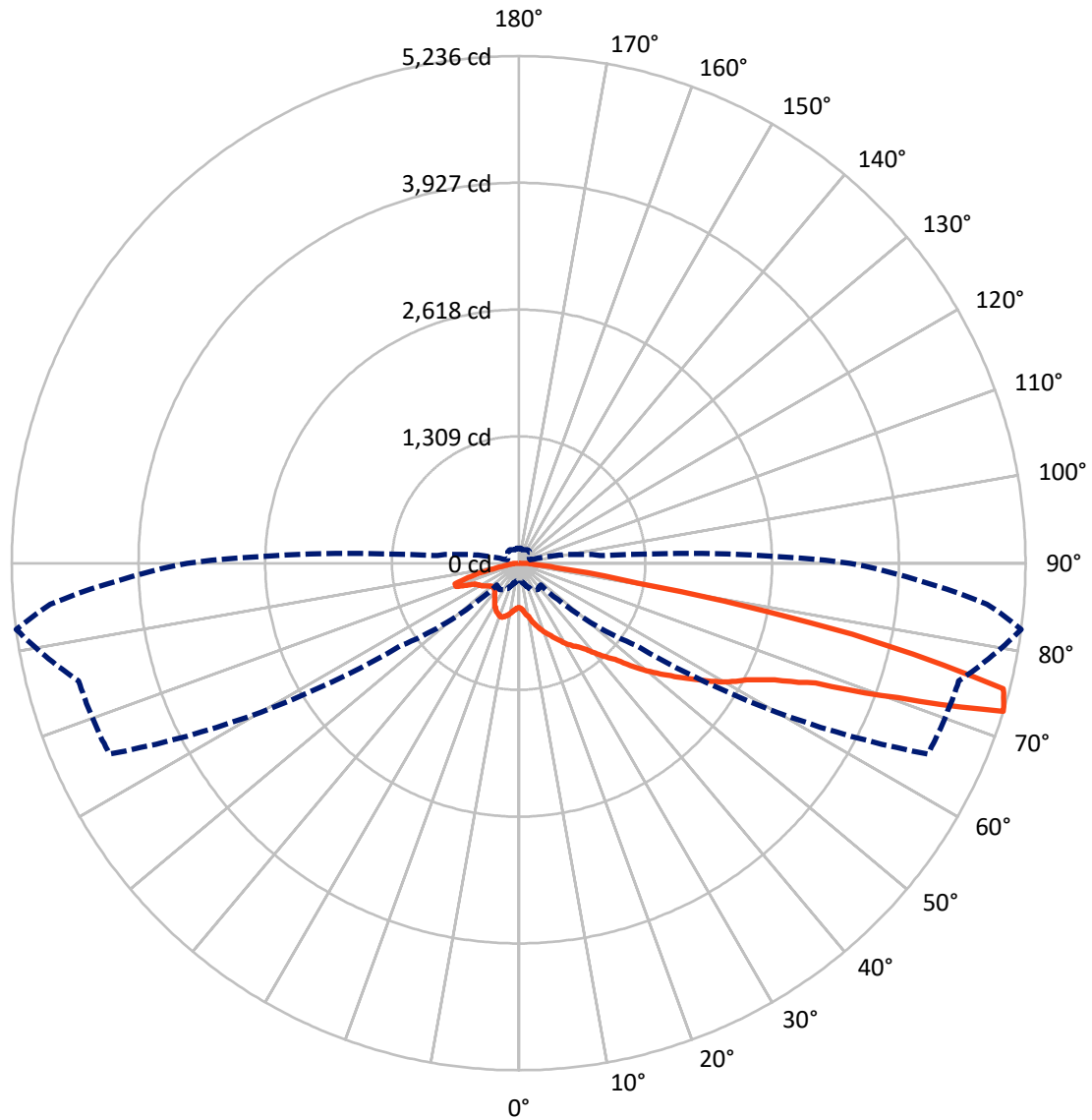
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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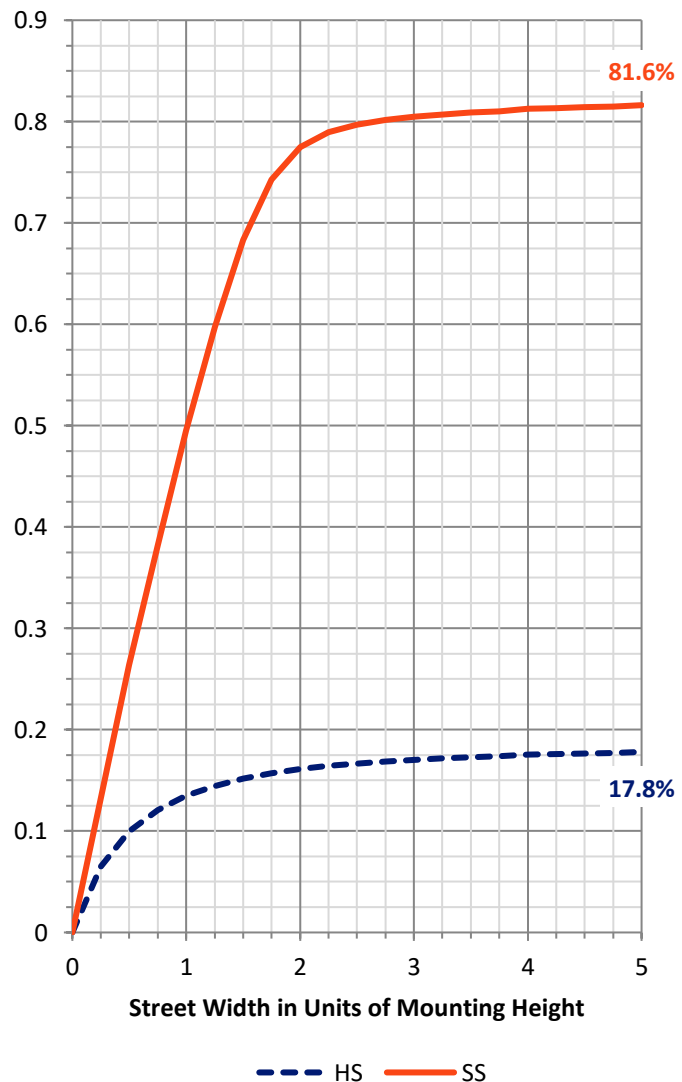
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	794.8	0.0	794.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	3588.9	0.0	3588.9
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	4383.7	0.0	4383.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.3	1.1
10°-20°	154.3	3.5
20°-30°	263.2	6.0
30°-40°	393.0	9.0
40°-50°	613.9	14.0
50°-60°	904.3	20.6
60°-70°	1054.0	24.0
70°-80°	857.1	19.6
80°-90°	96.6	2.2
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°	4383.7	100.0
0°-180°	4383.7	100.0

**Coefficient of Utilization**



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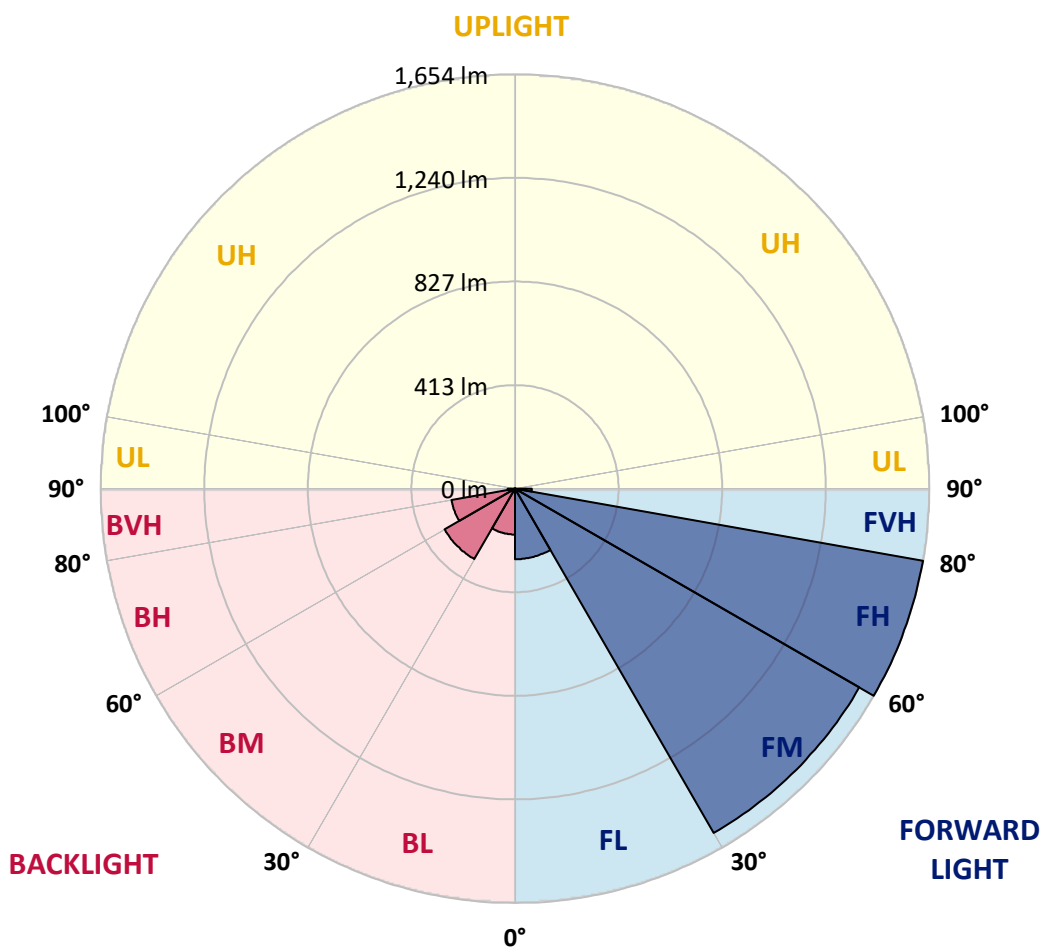
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.7	6.4			
FM (30°-60°)	1586.6	36.2			
FH (60°-80°)	1653.6	37.7			G1/1800
FVH (80°-90°)	67.0	1.5			G1/100
BL (0°-30°)	183.1	4.2	B1/500		
BM (30°-60°)	324.6	7.4	B1/1000		
BH (60°-80°)	257.6	5.9	B1/500		G1/500
BVH (80°-90°)	29.6	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5
2.5°	493.4	497.8	495.6	493.4	493.4	489.1	484.7	482.5	478.2	469.4	471.6
5°	519.6	524.0	528.4	524.0	526.2	526.2	524.0	508.7	500.0	491.3	491.3
7.5°	521.8	526.2	530.6	541.5	548.0	552.4	556.8	550.2	532.7	530.6	524.0
10°	539.3	539.3	541.5	552.4	567.7	578.6	598.2	598.2	576.4	561.1	565.5
12.5°	550.2	545.8	556.8	567.7	585.1	607.0	631.0	633.2	626.6	617.9	611.3
15°	528.4	530.6	543.7	565.5	611.3	633.2	665.9	685.6	687.8	663.7	650.6
17.5°	515.3	519.6	534.9	554.6	598.2	648.5	700.9	742.3	746.7	711.8	707.4
20°	528.4	528.4	530.6	556.8	598.2	655.0	727.1	772.9	805.7	759.8	748.9
22.5°	556.8	554.6	561.1	567.7	596.1	657.2	748.9	810.0	840.6	803.5	779.5
25°	602.6	611.3	607.0	609.2	626.6	663.7	759.8	851.5	897.4	853.7	823.1
27.5°	657.2	661.6	670.3	668.1	670.3	700.9	788.2	895.2	971.6	906.1	864.6
30°	709.6	724.9	729.2	735.8	733.6	740.2	805.7	934.5	1026.2	962.9	903.9
32.5°	766.4	768.5	799.1	788.2	790.4	796.9	845.0	958.5	1074.2	1017.4	956.3
35°	873.3	877.7	879.9	866.8	866.8	851.5	897.4	986.9	1137.5	1061.1	1010.9
37.5°	1008.7	1037.1	1019.6	954.1	930.1	917.0	925.7	1021.8	1216.1	1133.2	1063.3
40°	1150.6	1152.8	1141.9	1082.9	1021.8	1004.3	995.6	1074.2	1290.4	1222.7	1152.8
42.5°	1255.4	1264.2	1270.7	1211.8	1137.5	1109.1	1085.1	1144.1	1406.1	1323.1	1242.3
45°	1325.3	1351.5	1351.5	1331.8	1266.3	1259.8	1185.6	1227.0	1502.1	1430.1	1349.3
47.5°	1406.1	1449.7	1434.5	1412.6	1360.2	1377.7	1270.7	1312.2	1622.2	1598.2	1482.5
50°	1482.5	1513.1	1528.3	1497.8	1462.8	1528.3	1360.2	1406.1	1777.2	1759.8	1591.7
52.5°	1609.1	1641.9	1650.6	1600.4	1563.3	1646.2	1443.2	1515.2	1910.4	1921.3	1729.2
55°	1709.6	1748.9	1812.2	1768.5	1759.8	1668.1	1504.3	1655.0	2045.8	2098.2	1910.4
57.5°	1676.8	1737.9	1849.3	1910.4	2004.3	1834.0	1572.0	1836.2	2165.9	2292.5	2080.7
60°	1467.2	1521.8	1661.5	1875.5	2074.2	2096.0	1740.1	1965.0	2296.9	2491.2	2235.8
62.5°	1008.7	1085.1	1290.4	1620.0	1978.1	2240.1	2159.3	2157.2	2417.0	2648.4	2430.1
65°	541.5	593.9	714.0	984.7	1537.1	2198.6	2633.1	2541.4	2548.0	2906.0	2650.6
67.5°	325.3	345.0	421.4	556.8	814.4	1655.0	2923.5	3569.8	2871.1	3305.6	3010.8
70°	238.0	244.5	305.7	390.8	438.9	746.7	2672.4	4480.2	3698.6	4161.5	3925.7
72.5°	172.5	179.0	220.5	294.8	336.2	321.0	1489.0	4663.6	4705.1	5235.7	4858.0
75°	135.4	137.6	157.2	224.9	266.4	224.9	462.9	3554.5	4696.4	5172.4	4755.3
77.5°	109.2	109.2	122.3	165.9	207.4	174.7	207.4	1786.0	2971.5	3523.9	3115.6
80°	87.3	89.5	96.1	109.2	148.5	126.6	152.8	565.5	1181.2	1251.1	1017.4
82.5°	69.9	69.9	74.2	78.6	109.2	85.2	102.6	248.9	445.4	377.7	296.9
85°	34.9	34.9	69.9	63.3	67.7	54.6	54.6	163.8	235.8	155.0	122.3
87.5°	8.7	8.7	17.5	26.2	32.8	24.0	21.8	63.3	107.0	61.1	41.5
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°	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5
2.5°	471.6	465.1	460.7	458.5	454.1	449.8	445.4	443.2	445.4	443.2	436.7
5°	489.1	482.5	478.2	469.4	458.5	454.1	454.1	452.0	447.6	445.4	443.2
7.5°	513.1	504.4	489.1	473.8	467.2	454.1	447.6	445.4	445.4	438.9	438.9
10°	548.0	532.7	504.4	478.2	460.7	443.2	438.9	436.7	438.9	432.3	441.0
12.5°	589.5	563.3	510.9	465.1	443.2	436.7	441.0	445.4	452.0	449.8	452.0
15°	624.4	591.7	502.2	443.2	432.3	438.9	447.6	454.1	462.9	462.9	458.5
17.5°	665.9	617.9	484.7	425.8	421.4	432.3	447.6	456.3	460.7	465.1	469.4
20°	700.9	624.4	458.5	403.9	412.7	421.4	434.5	452.0	460.7	467.2	469.4
22.5°	724.9	609.2	423.6	382.1	390.8	390.8	408.3	432.3	452.0	462.9	458.5
25°	744.5	607.0	388.6	364.6	366.8	362.4	379.9	403.9	419.2	432.3	430.1
27.5°	775.1	574.2	364.6	342.8	331.9	336.2	353.7	366.8	371.2	377.7	384.3
30°	786.0	558.9	340.6	312.2	305.7	307.9	316.6	321.0	318.8	314.4	323.1
32.5°	805.7	515.3	316.6	288.2	283.8	286.0	286.0	283.8	281.7	275.1	279.5
35°	825.3	484.7	301.3	272.9	270.7	272.9	268.6	264.2	257.6	251.1	253.3
37.5°	840.6	452.0	286.0	262.0	266.4	262.0	257.6	253.3	257.6	246.7	246.7
40°	860.2	430.1	270.7	255.5	262.0	259.8	248.9	246.7	279.5	283.8	286.0
42.5°	879.9	403.9	253.3	257.6	257.6	253.3	242.4	238.0	275.1	253.3	253.3
45°	921.4	399.6	246.7	253.3	255.5	248.9	244.5	240.2	246.7	218.3	218.3
47.5°	980.3	397.4	248.9	246.7	248.9	251.1	246.7	231.4	224.9	198.7	196.5
50°	1050.2	408.3	251.1	238.0	246.7	248.9	233.6	218.3	209.6	196.5	194.3
52.5°	1144.1	423.6	257.6	229.3	240.2	240.2	227.1	214.0	200.9	192.1	190.0
55°	1255.4	454.1	255.5	214.0	224.9	235.8	224.9	203.1	198.7	194.3	194.3
57.5°	1384.2	493.4	253.3	200.9	211.8	229.3	218.3	200.9	192.1	192.1	192.1
60°	1506.5	526.2	242.4	181.2	198.7	224.9	214.0	198.7	187.8	187.8	185.6
62.5°	1628.8	561.1	220.5	168.1	183.4	211.8	207.4	190.0	179.0	185.6	183.4
65°	1807.8	602.6	190.0	152.8	170.3	200.9	198.7	181.2	170.3	185.6	185.6
67.5°	2168.1	722.7	161.6	144.1	157.2	187.8	187.8	172.5	163.8	185.6	181.2
70°	2868.9	871.2	144.1	135.4	146.3	172.5	176.9	163.8	155.0	176.9	168.1
72.5°	3425.7	879.9	126.6	122.3	133.2	159.4	163.8	155.0	144.1	155.0	148.5
75°	3126.6	639.7	111.4	109.2	115.7	141.9	150.7	144.1	128.8	133.2	128.8
77.5°	1906.1	379.9	96.1	96.1	100.4	126.6	131.0	124.5	113.5	113.5	109.2
80°	556.8	161.6	80.8	80.8	83.0	107.0	109.2	104.8	93.9	91.7	91.7
82.5°	179.0	98.3	67.7	63.3	61.1	87.3	96.1	89.5	78.6	74.2	72.1
85°	87.3	61.1	48.0	43.7	43.7	69.9	72.1	59.0	48.0	43.7	43.7
87.5°	28.4	26.2	24.0	17.5	17.5	32.8	34.9	26.2	21.8	17.5	17.5
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)