

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: P565373

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T3-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565373  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-AMB-U-T3-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T3 distribution lens and House Side Shield  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

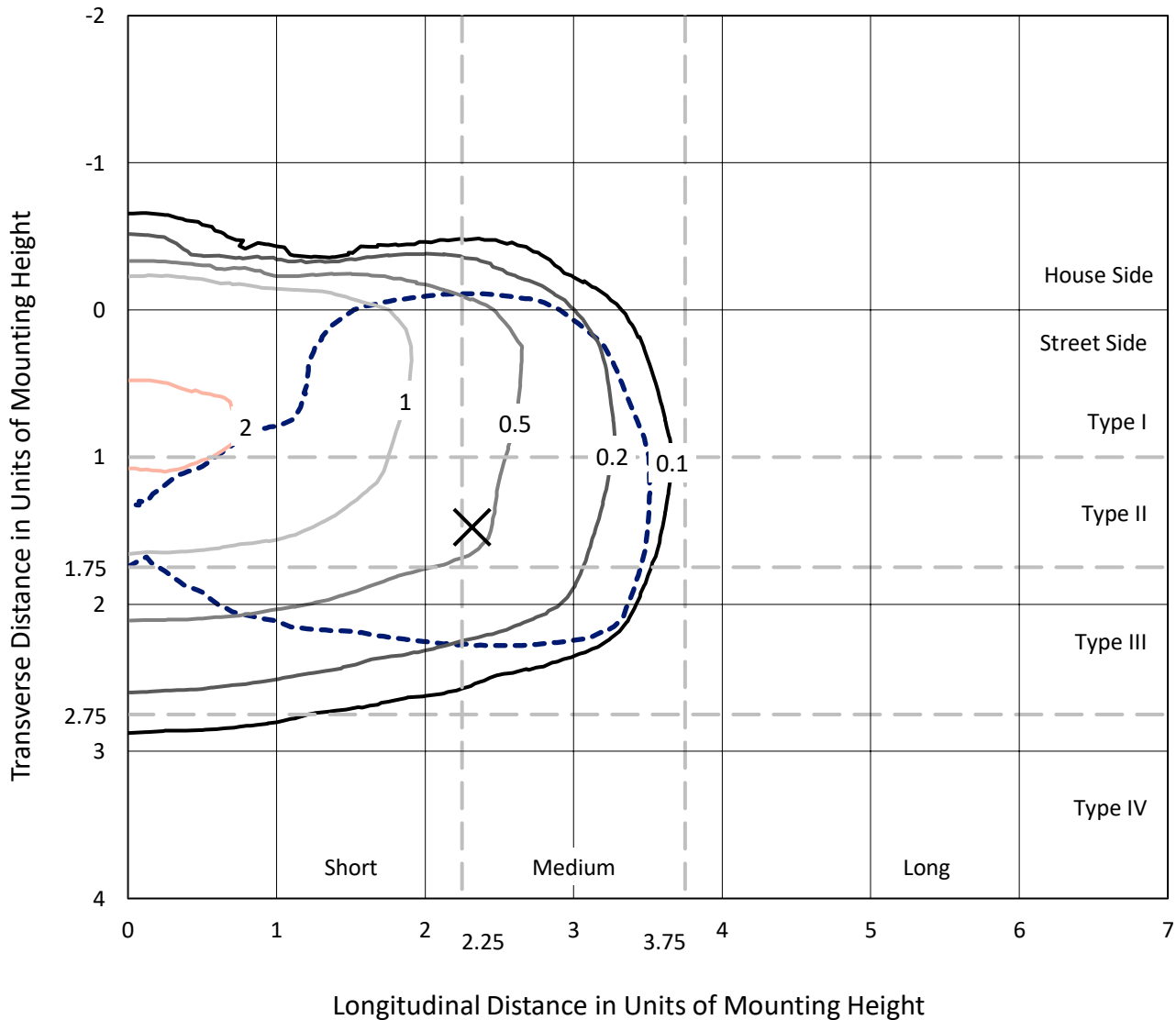
Lumens per Lamp: N/A  
Luminaire Lumens: 1628.4 lumens  
Efficiency: N/A  
Efficacy: 39.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 41.2  
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

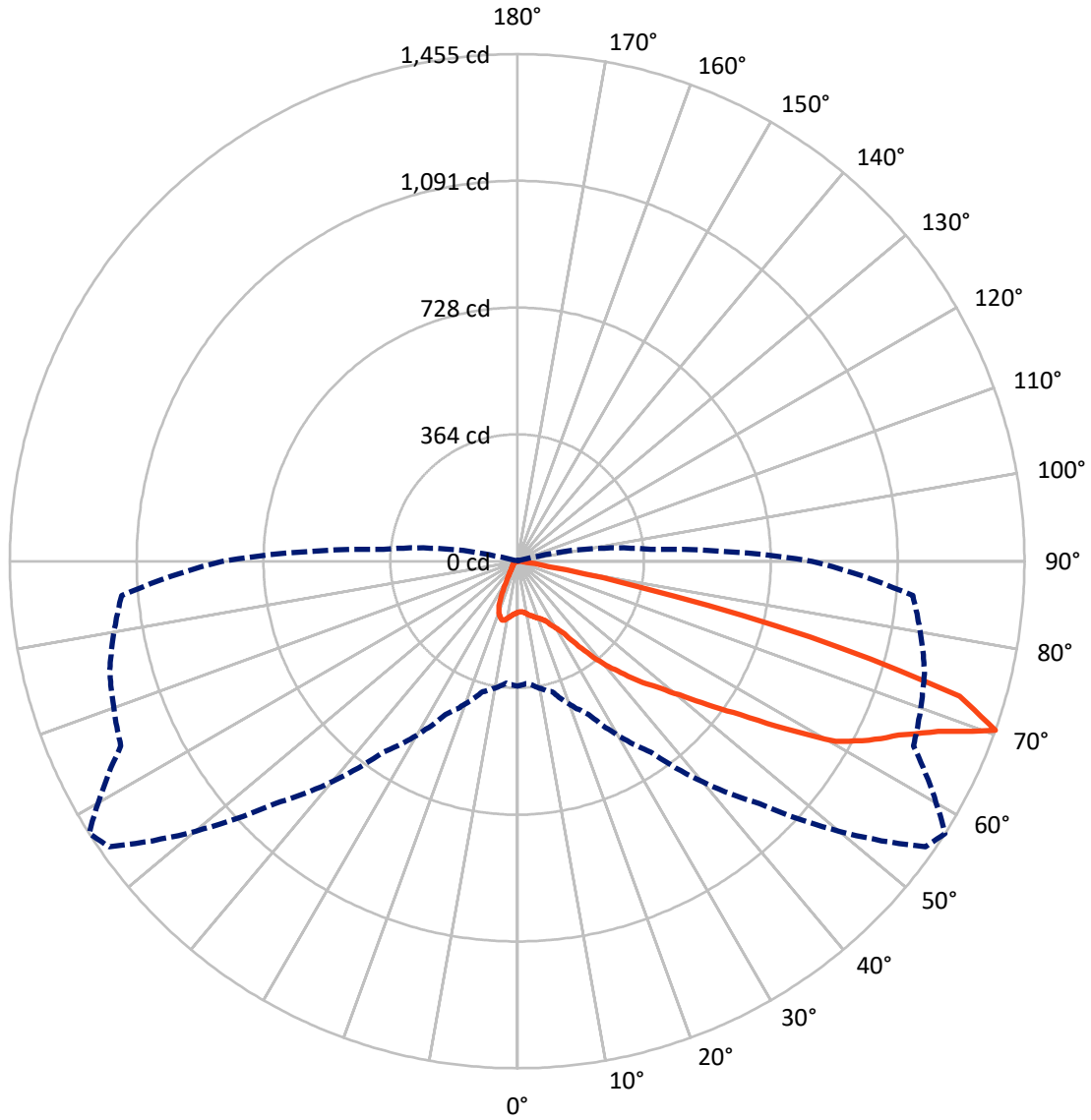
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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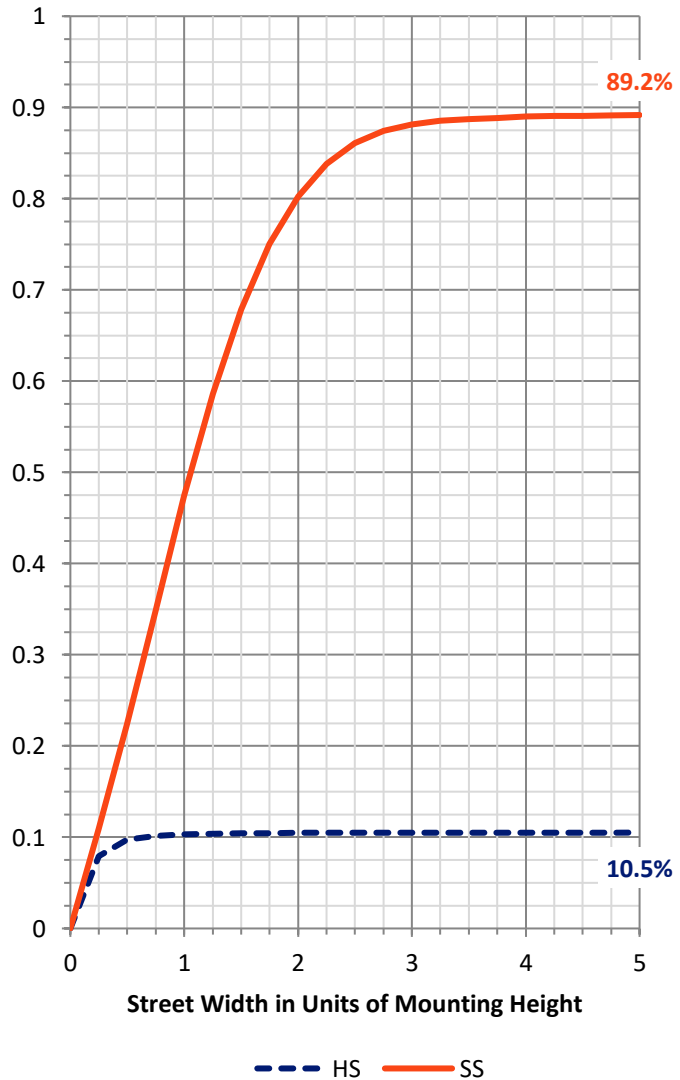
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	173.1	0.0	173.1
	% Fixture	10.6	0.0	10.6
<b>Street Side</b>	Lumens	1455.3	0.0	1455.3
	% Fixture	89.4	0.0	89.4
<b>Total</b>	Lumens	1628.4	0.0	1628.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.3	0.9
10°-20°	42.8	2.6
20°-30°	75.7	4.6
30°-40°	136.8	8.4
40°-50°	238.5	14.6
50°-60°	391.2	24.0
60°-70°	501.9	30.8
70°-80°	220.2	13.5
80°-90°	6.8	0.4
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°	1628.4	100.0
0°-180°	1628.4	100.0

**Coefficient of Utilization**

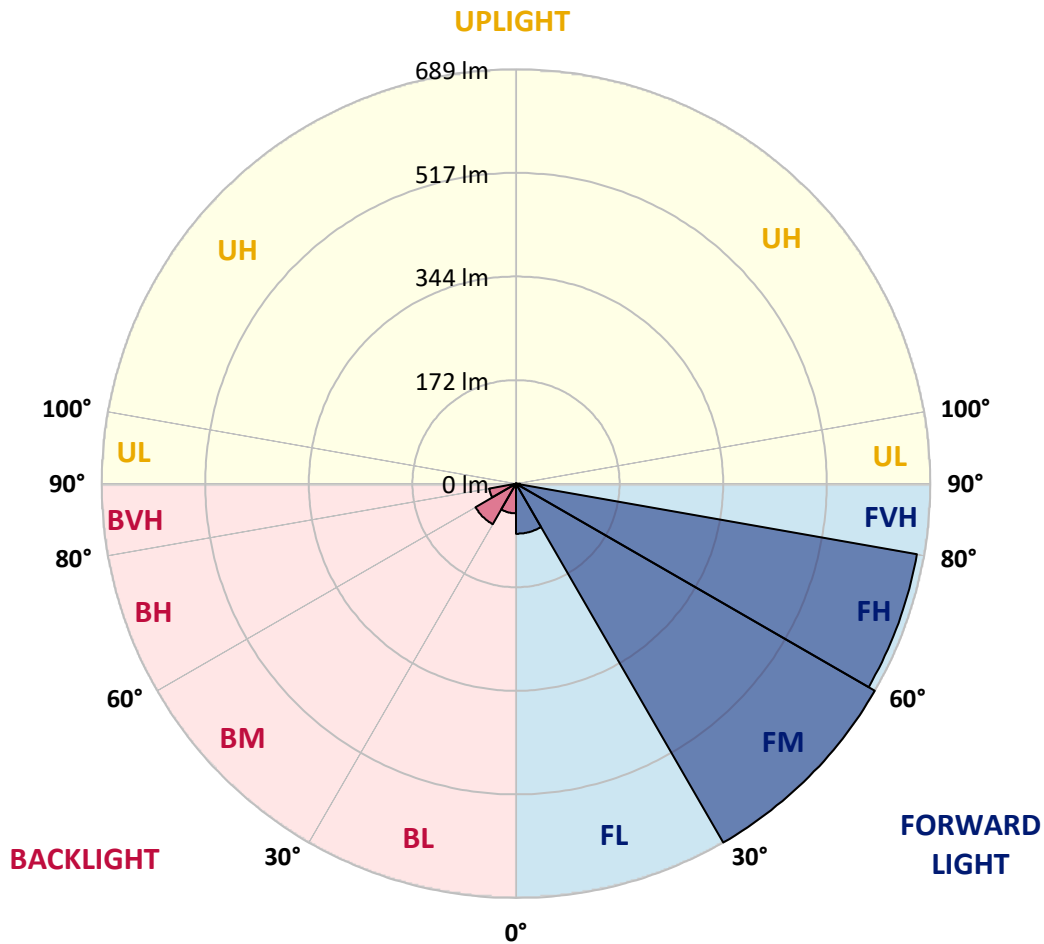


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.3	5.1			
FM (30°-60°)	688.8	42.3			
FH (60°-80°)	676.8	41.6			G1/1800
FVH (80°-90°)	6.4	0.4			G0/10
BL (0°-30°)	49.4	3.0	B0/110		
BM (30°-60°)	77.8	4.8	B0/220		
BH (60°-80°)	45.4	2.8	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-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°	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
2.5°	138.9	141.0	142.0	142.0	141.0	143.0	143.0	146.1	145.1	147.2	149.3
5°	136.8	135.8	137.9	138.9	141.0	143.0	146.1	146.1	148.2	149.3	151.3
7.5°	132.7	131.6	131.6	135.8	139.9	145.1	149.3	148.2	152.4	156.5	161.7
10°	131.6	132.7	132.7	134.7	138.9	143.0	151.3	153.4	160.7	167.9	173.1
12.5°	136.8	134.7	135.8	136.8	139.9	146.1	155.5	159.6	169.0	178.3	184.5
15°	139.9	138.9	139.9	141.0	143.0	147.2	160.7	163.8	176.2	190.7	200.0
17.5°	152.4	150.3	148.2	145.1	145.1	150.3	164.8	170.0	187.6	202.1	208.3
20°	178.3	176.2	170.0	160.7	154.4	154.4	166.9	174.1	192.8	214.6	219.7
22.5°	220.8	221.8	211.4	188.6	172.1	164.8	175.2	181.4	203.2	226.0	231.1
25°	270.5	268.5	259.1	231.1	203.2	182.4	184.5	189.7	213.5	241.5	242.5
27.5°	307.8	312.0	302.7	279.9	244.6	208.3	203.2	207.3	230.1	255.0	256.0
30°	347.2	348.3	337.9	321.3	289.2	248.8	226.0	224.9	247.7	273.6	267.4
32.5°	403.2	398.0	382.5	359.7	329.6	294.4	253.9	248.8	260.2	289.2	283.0
35°	451.9	453.0	435.3	407.3	377.3	343.1	300.6	291.3	292.3	315.1	305.8
37.5°	496.5	497.5	489.2	462.3	431.2	389.7	348.3	342.0	323.4	353.4	329.6
40°	526.5	517.2	523.4	512.0	480.9	448.8	411.5	392.8	365.9	378.3	362.8
42.5°	546.2	546.2	560.7	557.6	530.7	517.2	457.1	436.4	407.3	429.1	401.1
45°	597.0	591.8	611.5	610.5	593.9	579.4	516.2	491.3	456.1	487.2	455.0
47.5°	645.7	653.0	670.6	667.5	668.5	656.1	561.8	537.9	516.2	558.7	520.3
50°	686.2	692.4	726.6	726.6	742.1	742.1	621.9	603.2	597.0	657.1	587.7
52.5°	712.1	712.1	748.4	778.4	812.6	818.8	687.2	683.1	693.4	754.6	678.9
55°	735.9	729.7	773.2	805.4	873.8	891.4	787.7	776.3	811.6	871.7	756.6
57.5°	731.8	725.6	774.3	825.1	911.1	958.8	911.1	906.9	922.5	959.8	818.8
60°	718.3	709.0	756.6	828.2	944.3	1035.5	1043.8	1050.0	1012.7	1005.4	903.8
62.5°	674.8	683.1	728.7	816.8	979.5	1073.8	1140.2	1131.9	1082.1	1051.0	1004.4
65°	629.2	627.1	686.2	787.7	960.8	1098.7	1203.4	1203.4	1126.7	1104.9	1111.1
67.5°	531.7	528.6	582.5	681.0	865.5	1075.9	1336.1	1302.9	1200.3	1181.6	1188.9
70°	358.6	351.4	388.7	485.1	669.6	983.6	1429.3	1455.3	1254.2	1209.6	1139.1
72.5°	125.4	125.4	184.5	236.3	404.2	747.3	1310.1	1327.8	1161.9	1063.5	789.8
75°	39.4	39.4	61.2	90.2	154.4	333.8	811.6	867.6	790.9	645.7	302.7
77.5°	17.6	16.6	23.8	31.1	47.7	70.5	318.2	358.6	327.5	199.0	68.4
80°	10.4	11.4	14.5	19.7	28.0	25.9	74.6	91.2	89.1	50.8	19.7
82.5°	6.2	7.3	10.4	13.5	17.6	12.4	22.8	25.9	31.1	23.8	10.4
85°	3.1	3.1	6.2	10.4	9.3	6.2	9.3	10.4	13.5	14.5	5.2
87.5°	0.0	0.0	3.1	5.2	3.1	2.1	2.1	3.1	4.1	7.3	2.1
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°	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
2.5°	148.2	149.3	150.3	150.3	151.3	150.3	150.3	150.3	147.2	149.3	148.2
5°	153.4	153.4	154.4	155.5	152.4	151.3	151.3	150.3	147.2	147.2	148.2
7.5°	161.7	163.8	163.8	162.7	158.6	155.5	152.4	148.2	147.2	147.2	145.1
10°	175.2	175.2	173.1	171.0	163.8	159.6	151.3	143.0	138.9	137.9	135.8
12.5°	185.5	186.6	185.5	179.3	171.0	156.5	141.0	132.7	127.5	122.3	121.3
15°	196.9	199.0	196.9	189.7	170.0	146.1	128.5	109.9	94.3	86.0	84.0
17.5°	209.4	210.4	207.3	188.6	159.6	132.7	98.5	67.4	52.9	45.6	45.6
20°	219.7	216.6	213.5	183.5	149.3	99.5	59.1	39.4	36.3	35.2	35.2
22.5°	227.0	226.0	213.5	176.2	124.4	61.2	37.3	35.2	35.2	34.2	34.2
25°	237.4	234.2	212.5	161.7	88.1	38.4	34.2	34.2	33.2	32.1	32.1
27.5°	250.8	243.6	210.4	148.2	51.8	32.1	32.1	32.1	29.0	28.0	28.0
30°	261.2	249.8	204.2	116.1	32.1	29.0	29.0	28.0	24.9	22.8	21.8
32.5°	269.5	256.0	201.1	78.8	28.0	26.9	24.9	22.8	19.7	17.6	17.6
35°	290.2	272.6	200.0	46.6	26.9	23.8	20.7	17.6	15.5	14.5	13.5
37.5°	309.9	292.3	192.8	30.1	24.9	21.8	17.6	14.5	12.4	11.4	11.4
40°	338.9	313.0	177.2	25.9	22.8	18.7	14.5	11.4	10.4	9.3	9.3
42.5°	377.3	337.9	147.2	22.8	19.7	16.6	11.4	9.3	8.3	7.3	7.3
45°	421.9	369.0	100.5	21.8	18.7	13.5	10.4	8.3	7.3	6.2	6.2
47.5°	475.8	398.0	62.2	19.7	15.5	11.4	8.3	6.2	5.2	4.1	4.1
50°	542.1	432.2	38.4	17.6	13.5	9.3	7.3	5.2	4.1	3.1	3.1
52.5°	608.4	470.6	28.0	15.5	12.4	8.3	6.2	4.1	3.1	3.1	3.1
55°	669.6	498.6	22.8	14.5	10.4	7.3	5.2	4.1	3.1	2.1	2.1
57.5°	738.0	517.2	19.7	12.4	9.3	6.2	5.2	3.1	3.1	2.1	2.1
60°	815.7	529.7	16.6	11.4	7.3	5.2	4.1	3.1	2.1	2.1	1.0
62.5°	894.5	536.9	13.5	9.3	6.2	4.1	3.1	3.1	2.1	1.0	1.0
65°	954.6	537.9	10.4	7.3	5.2	4.1	3.1	2.1	1.0	1.0	0.0
67.5°	959.8	493.4	9.3	6.2	4.1	3.1	2.1	2.1	1.0	0.0	0.0
70°	846.8	384.5	7.3	5.2	3.1	2.1	2.1	1.0	0.0	0.0	0.0
72.5°	517.2	196.9	6.2	4.1	3.1	2.1	1.0	1.0	0.0	0.0	0.0
75°	173.1	47.7	5.2	3.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0
77.5°	37.3	14.5	4.1	3.1	2.1	1.0	1.0	0.0	0.0	0.0	0.0
80°	13.5	7.3	3.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0	0.0
82.5°	6.2	4.1	3.1	2.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	3.1	2.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0

(END OF REPORT)