

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: P565397

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T4W-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565397  
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-T4W-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T4W distribution lens and House Side Shield  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

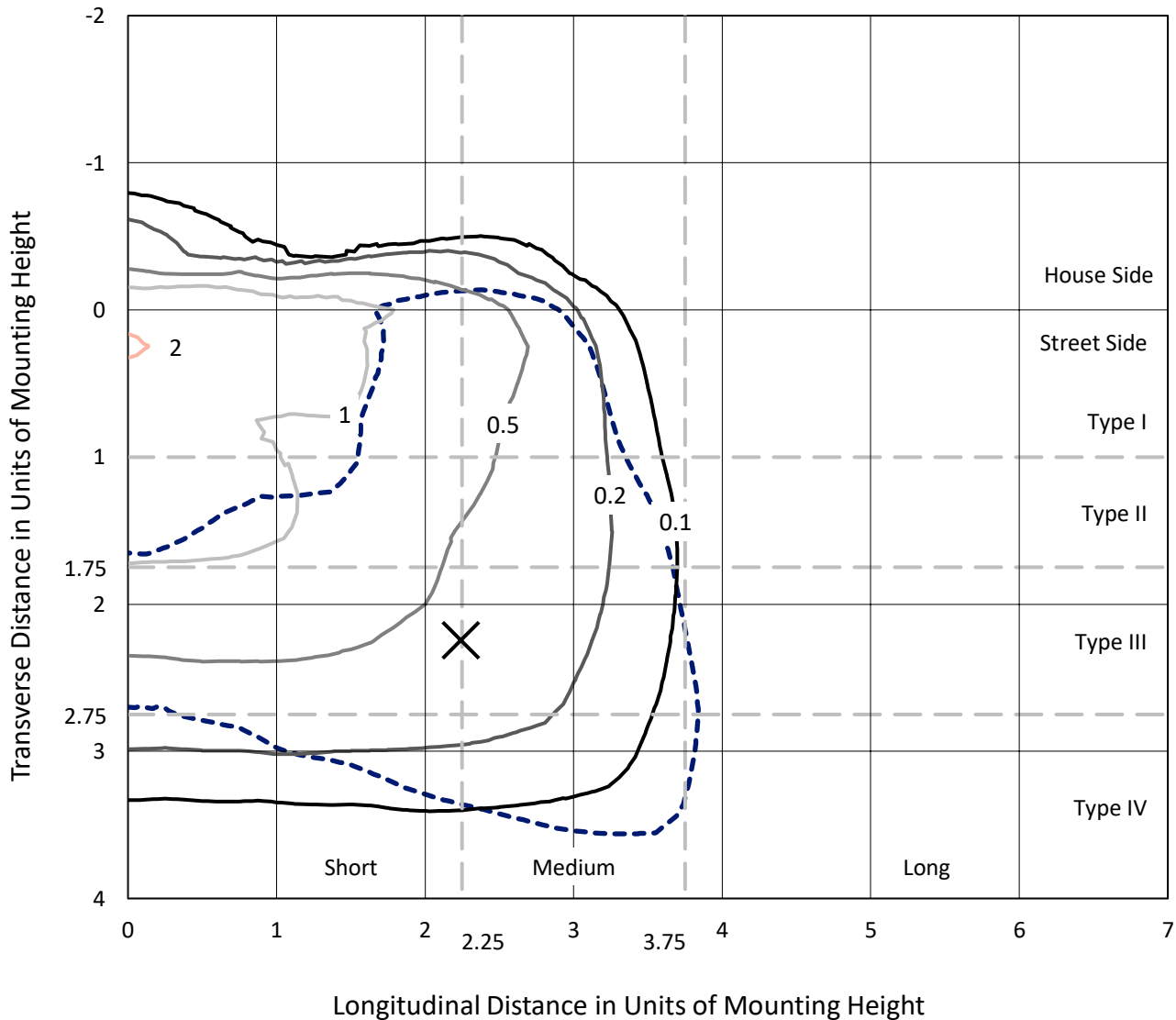
Lumens per Lamp: N/A  
Luminaire Lumens: 1619 lumens  
Efficiency: N/A  
Efficacy: 39.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

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

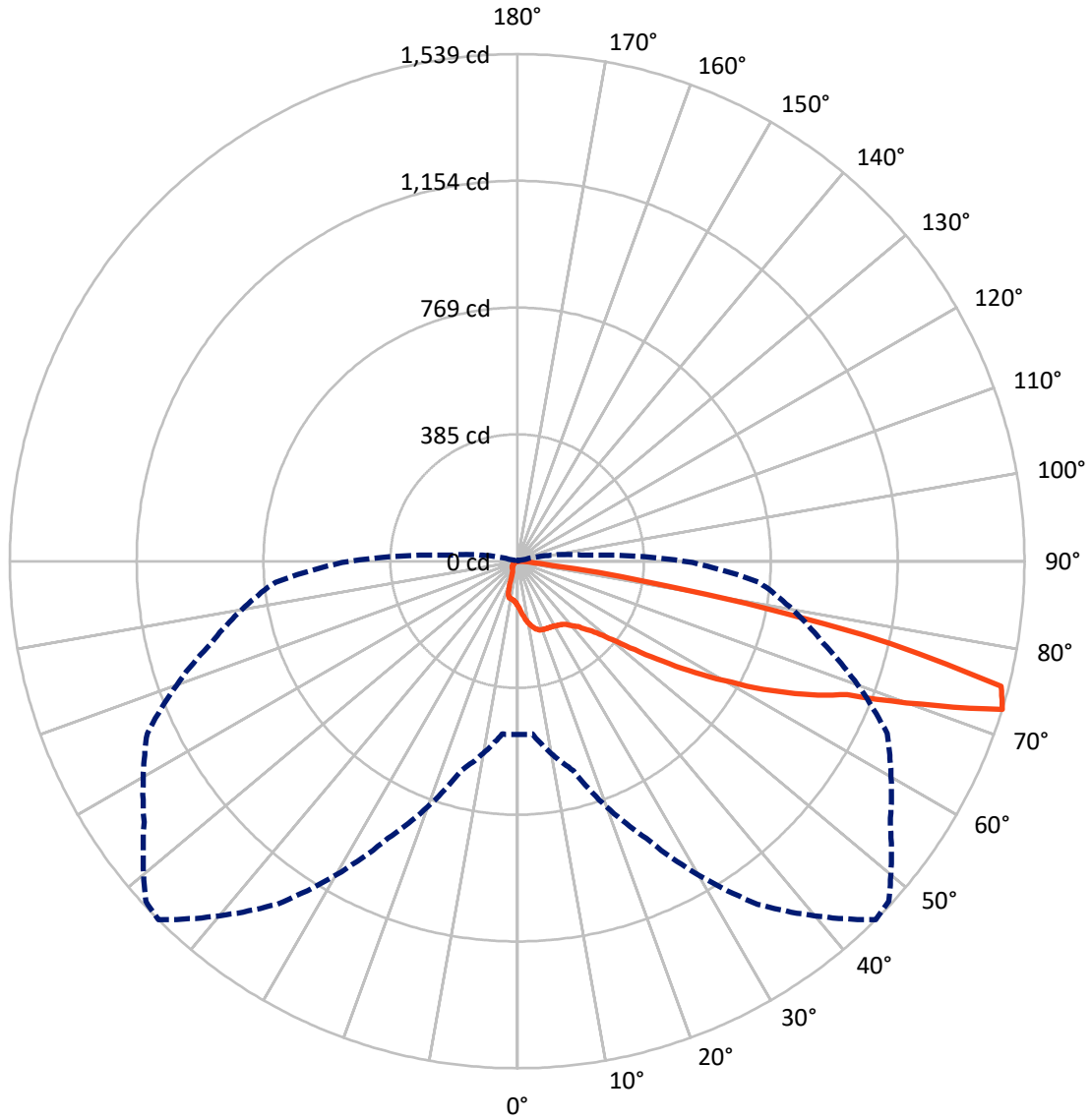
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical



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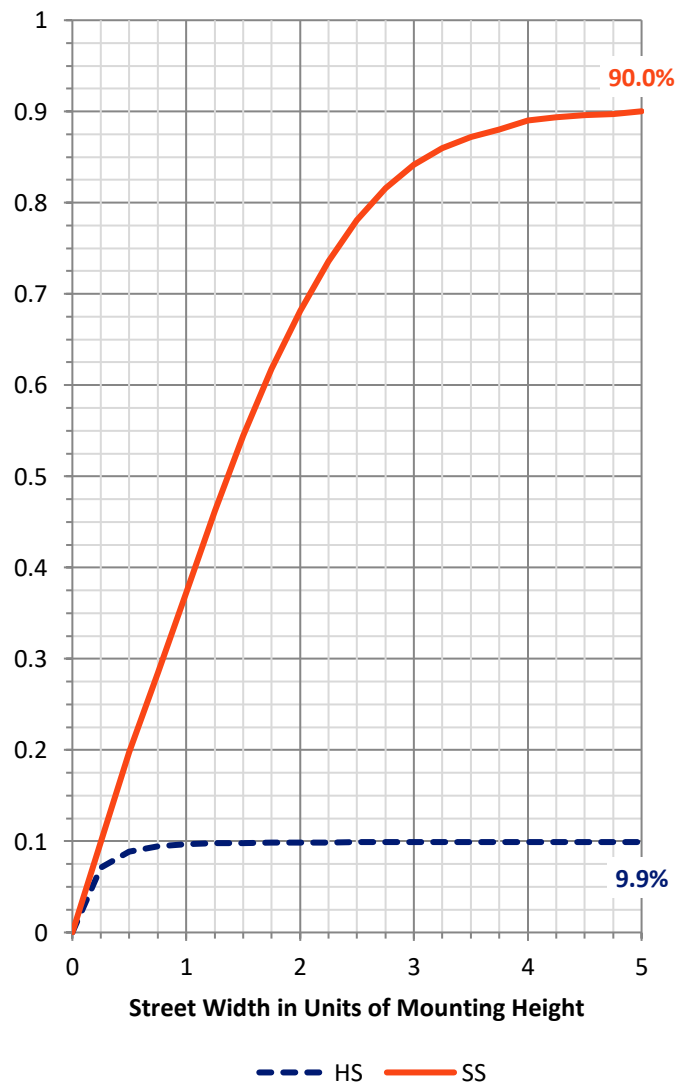
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	161.9	0.0	161.9
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	1457.1	0.0	1457.1
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	1619.0	0.0	1619.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	0.9
10°-20°	43.9	2.7
20°-30°	68.4	4.2
30°-40°	97.4	6.0
40°-50°	167.7	10.4
50°-60°	309.8	19.1
60°-70°	520.4	32.1
70°-80°	376.3	23.2
80°-90°	21.2	1.3
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°	1619.0	100.0
0°-180°	1619.0	100.0

**Coefficient of Utilization**

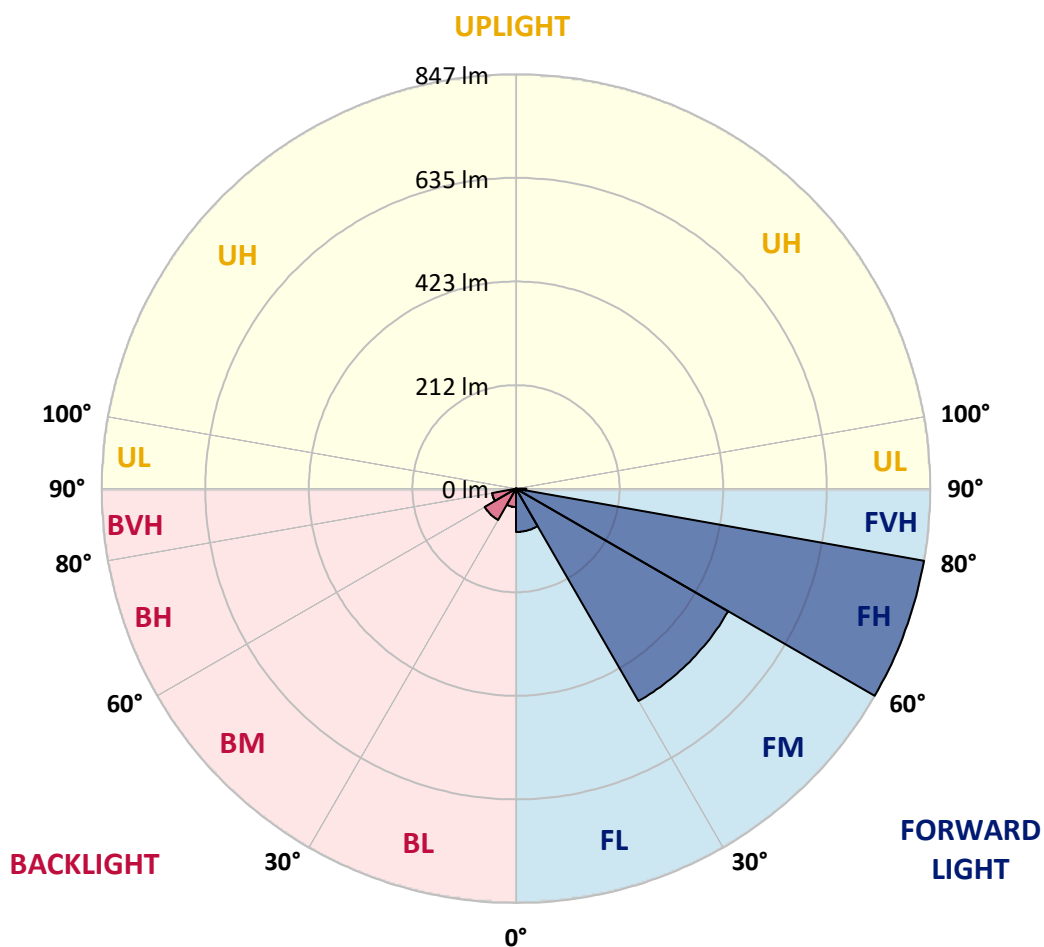


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.5	5.5			
FM (30°-60°)	501.0	30.9			
FH (60°-80°)	846.8	52.3			G1/1800
FVH (80°-90°)	20.7	1.3			G1/100
BL (0°-30°)	37.7	2.3	B0/110		
BM (30°-60°)	73.9	4.6	B0/220		
BH (60°-80°)	49.9	3.1	B0/110		G0/110
BVH (80°-90°)	0.5	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0
2.5°	152.0	149.9	149.9	149.9	147.8	144.6	144.6	143.5	141.4	138.3	136.2
5°	178.4	175.2	174.2	171.0	165.7	160.4	159.4	155.2	149.9	143.5	138.3
7.5°	200.5	199.5	197.4	192.1	185.8	177.3	175.2	169.9	161.5	153.0	144.6
10°	218.5	217.4	214.3	207.9	199.5	192.1	190.0	184.7	175.2	164.7	154.1
12.5°	233.3	232.2	228.0	219.5	211.1	203.7	201.6	197.4	187.9	177.3	163.6
15°	241.7	241.7	237.5	226.9	218.5	213.2	212.2	207.9	199.5	187.9	173.1
17.5°	241.7	240.7	236.4	226.9	221.7	219.5	218.5	216.4	209.0	198.4	182.6
20°	231.2	231.2	230.1	223.8	220.6	221.7	221.7	221.7	216.4	206.9	190.0
22.5°	222.7	221.7	221.7	217.4	218.5	222.7	222.7	223.8	220.6	213.2	197.4
25°	218.5	217.4	218.5	214.3	216.4	223.8	224.8	226.9	224.8	218.5	203.7
27.5°	217.4	216.4	217.4	214.3	217.4	224.8	226.9	230.1	228.0	220.6	207.9
30°	219.5	217.4	218.5	215.3	219.5	228.0	229.0	234.3	232.2	225.9	216.4
32.5°	230.1	224.8	223.8	218.5	223.8	231.2	233.3	239.6	241.7	234.3	224.8
35°	254.4	240.7	233.3	226.9	230.1	235.4	237.5	248.0	254.4	244.9	233.3
37.5°	286.0	267.0	250.2	239.6	238.5	243.8	245.9	258.6	268.1	258.6	245.9
40°	356.8	346.2	313.5	262.8	250.2	257.5	259.7	272.3	289.2	274.4	261.8
42.5°	460.2	450.7	412.7	328.3	267.0	271.3	273.4	288.2	308.2	296.6	281.8
45°	548.9	546.7	514.0	413.8	304.0	295.5	298.7	309.3	333.5	325.1	306.1
47.5°	578.4	578.4	579.5	504.5	368.4	324.0	326.1	339.9	368.4	362.0	340.9
50°	595.3	596.4	614.3	581.6	454.9	374.7	367.3	378.9	415.9	412.7	388.4
52.5°	644.9	647.0	659.7	649.1	559.4	446.5	432.8	430.6	479.2	484.5	454.9
55°	706.1	700.8	704.0	718.8	671.3	536.2	511.9	499.2	559.4	578.4	547.8
57.5°	743.1	738.8	758.9	794.8	788.5	637.5	602.7	583.7	665.0	680.8	639.6
60°	794.8	789.5	820.1	871.8	895.1	746.2	701.9	684.0	775.8	768.4	761.0
62.5°	822.2	827.5	877.1	942.6	977.4	865.5	819.1	802.2	866.6	865.5	909.8
65°	834.9	841.2	943.6	1010.1	1069.2	977.4	940.4	900.3	954.2	962.6	1122.0
67.5°	831.7	841.2	961.6	1107.2	1185.3	1080.8	1042.8	997.4	1057.6	1079.8	1299.3
70°	760.0	763.1	872.9	1115.7	1300.4	1300.4	1278.2	1195.9	1203.3	1129.4	1192.7
72.5°	526.7	526.7	657.6	928.8	1270.8	1538.9	1528.4	1381.6	1238.1	960.5	736.7
75°	178.4	184.7	290.3	546.7	1019.6	1516.7	1521.0	1315.1	983.7	551.0	245.9
77.5°	38.0	39.1	68.6	176.3	575.2	1072.4	1080.8	858.1	486.6	168.9	45.4
80°	16.9	17.9	26.4	51.7	172.0	461.3	481.3	369.4	153.0	59.1	15.8
82.5°	6.3	7.4	13.7	27.4	72.8	107.7	115.0	100.3	61.2	43.3	8.4
85°	2.1	2.1	5.3	13.7	30.6	16.9	17.9	35.9	43.3	33.8	4.2
87.5°	0.0	0.0	2.1	4.2	6.3	4.2	4.2	7.4	22.2	24.3	1.1
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°	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0
2.5°	135.1	134.0	131.9	129.8	127.7	125.6	124.5	124.5	123.5	123.5	123.5
5°	136.2	134.0	128.8	125.6	122.4	120.3	119.3	119.3	119.3	118.2	118.2
7.5°	140.4	137.2	129.8	124.5	120.3	117.2	115.0	114.0	114.0	114.0	115.0
10°	148.8	143.5	134.0	125.6	119.3	115.0	110.8	108.7	108.7	107.7	107.7
12.5°	157.3	149.9	138.3	127.7	120.3	114.0	104.5	92.9	85.5	81.3	80.2
15°	165.7	157.3	142.5	130.9	121.4	106.6	81.3	61.2	50.7	49.6	48.6
17.5°	174.2	164.7	147.8	134.0	117.2	82.3	50.7	40.1	39.1	42.2	42.2
20°	181.5	172.0	153.0	137.2	98.2	51.7	36.9	36.9	36.9	40.1	41.2
22.5°	188.9	179.4	158.3	134.0	70.7	36.9	34.8	35.9	35.9	39.1	39.1
25°	195.3	186.8	165.7	119.3	42.2	32.7	33.8	34.8	34.8	36.9	38.0
27.5°	200.5	194.2	173.1	96.1	31.7	30.6	31.7	32.7	32.7	34.8	35.9
30°	210.0	204.8	180.5	68.6	29.6	28.5	29.6	30.6	31.7	32.7	33.8
32.5°	220.6	216.4	181.5	42.2	28.5	27.4	26.4	27.4	29.6	30.6	31.7
35°	233.3	232.2	174.2	30.6	27.4	25.3	25.3	24.3	25.3	27.4	28.5
37.5°	248.0	249.1	159.4	28.5	26.4	24.3	23.2	22.2	21.1	22.2	22.2
40°	264.9	269.2	137.2	27.4	25.3	23.2	21.1	19.0	16.9	15.8	16.9
42.5°	290.3	295.5	108.7	26.4	25.3	22.2	19.0	15.8	12.7	11.6	11.6
45°	315.6	325.1	78.1	26.4	25.3	20.1	15.8	11.6	8.4	7.4	7.4
47.5°	350.4	358.9	48.6	26.4	26.4	17.9	12.7	8.4	6.3	5.3	5.3
50°	403.2	397.9	34.8	25.3	25.3	14.8	9.5	6.3	4.2	4.2	5.3
52.5°	482.4	448.6	29.6	24.3	24.3	12.7	6.3	5.3	4.2	4.2	4.2
55°	598.5	501.4	27.4	22.2	20.1	9.5	5.3	4.2	3.2	3.2	3.2
57.5°	696.6	537.2	23.2	19.0	13.7	7.4	5.3	4.2	3.2	2.1	2.1
60°	820.1	567.9	17.9	14.8	9.5	6.3	5.3	4.2	3.2	2.1	2.1
62.5°	947.8	592.1	12.7	10.6	7.4	5.3	4.2	3.2	2.1	1.1	1.1
65°	1074.5	609.0	9.5	7.4	5.3	4.2	3.2	2.1	2.1	1.1	1.1
67.5°	1124.1	576.3	8.4	6.3	4.2	4.2	3.2	2.1	1.1	1.1	0.0
70°	936.2	423.3	7.4	5.3	4.2	3.2	2.1	1.1	1.1	0.0	0.0
72.5°	508.7	204.8	6.3	5.3	3.2	2.1	2.1	1.1	1.1	0.0	0.0
75°	145.7	43.3	5.3	4.2	3.2	2.1	1.1	1.1	1.1	0.0	0.0
77.5°	28.5	10.6	4.2	3.2	2.1	1.1	1.1	1.1	0.0	0.0	0.0
80°	12.7	6.3	3.2	2.1	2.1	1.1	1.1	0.0	0.0	0.0	0.0
82.5°	6.3	4.2	3.2	2.1	2.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	2.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	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)