

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: P565390

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T4FT-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565390  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-AMB-U-T4FT-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T4FT distribution lens and House Side Shield  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

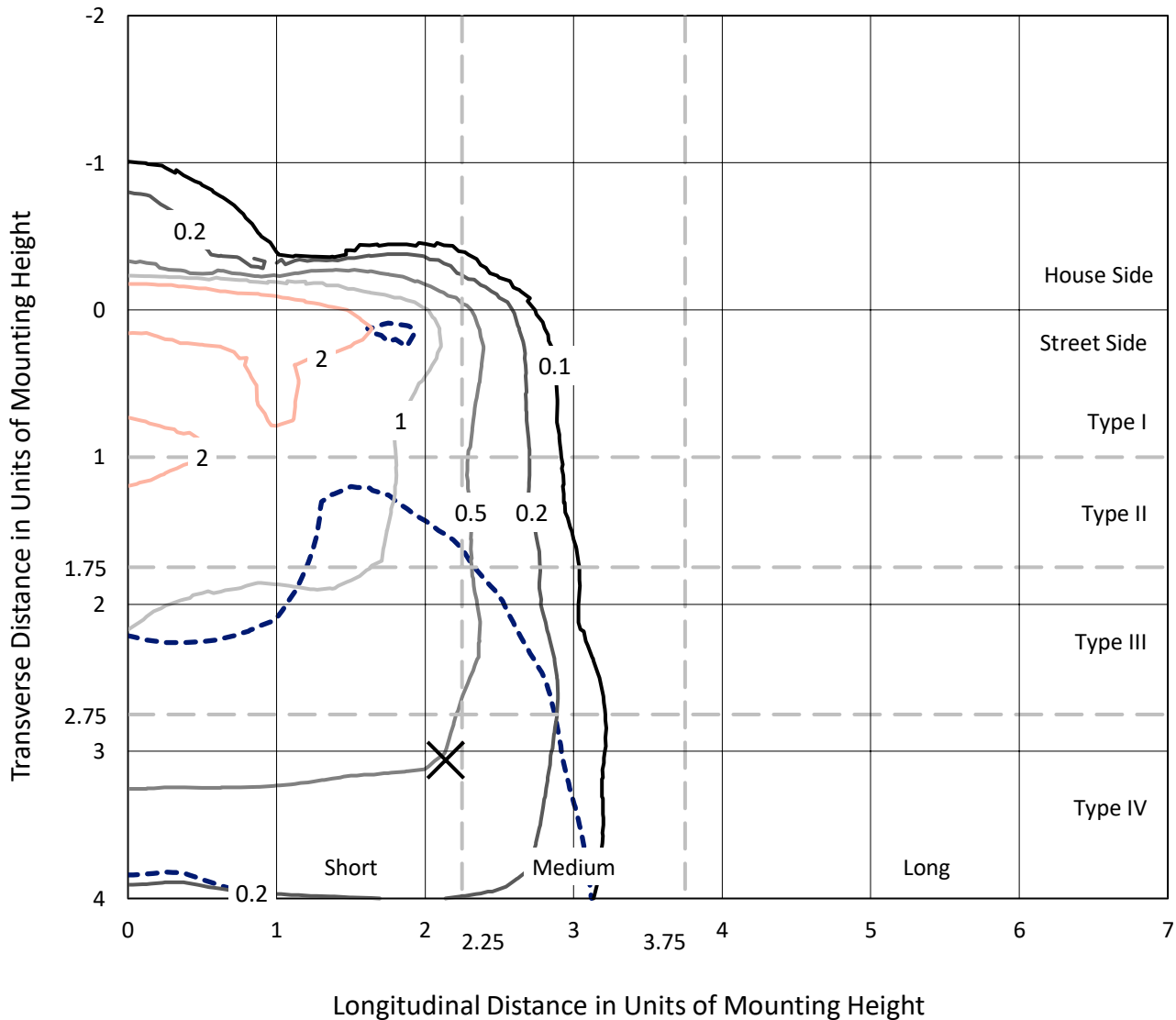
Lumens per Lamp: N/A  
Luminaire Lumens: 2364.8 lumens  
Efficiency: N/A  
Efficacy: 38.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 61.2  
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

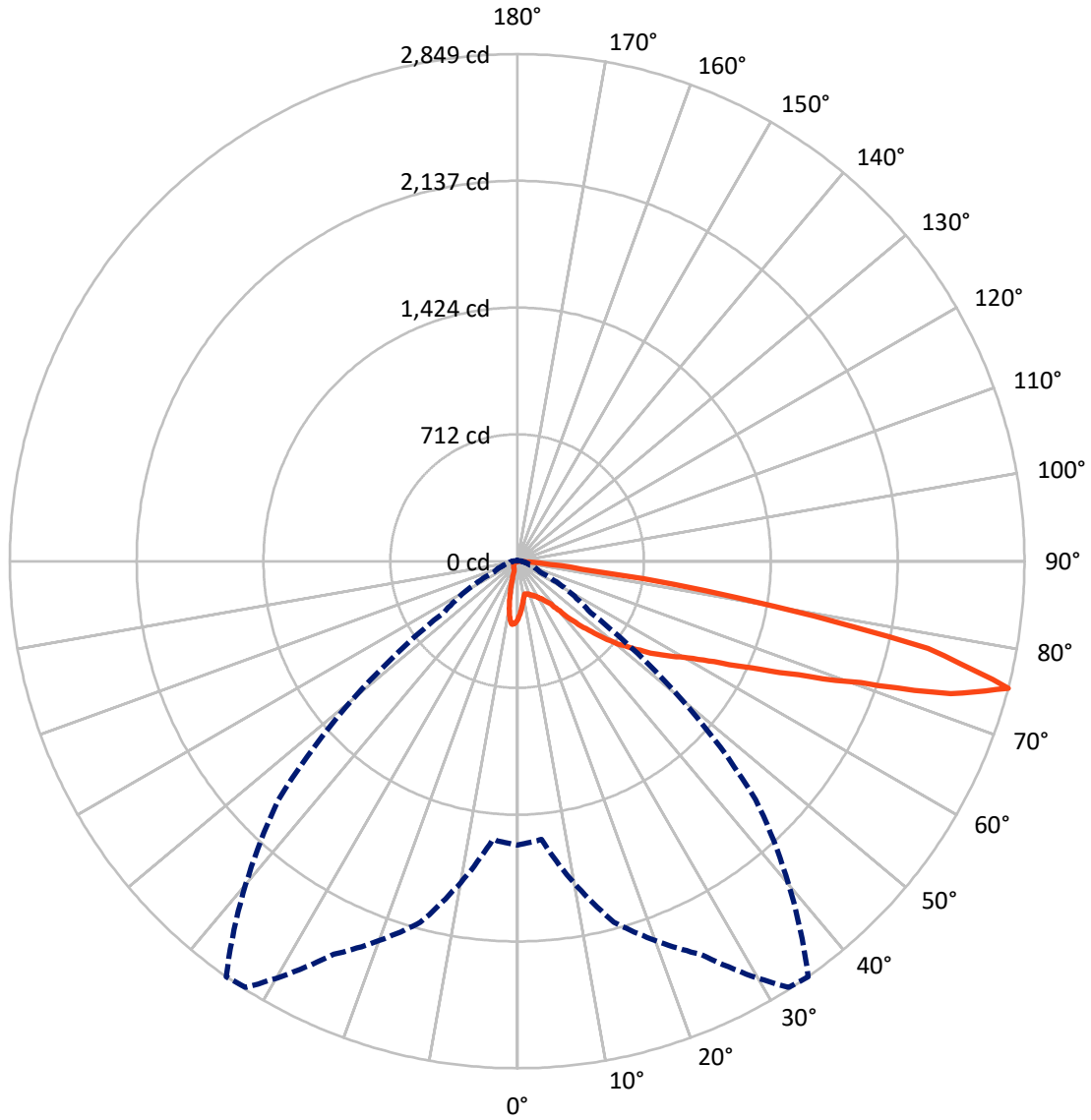
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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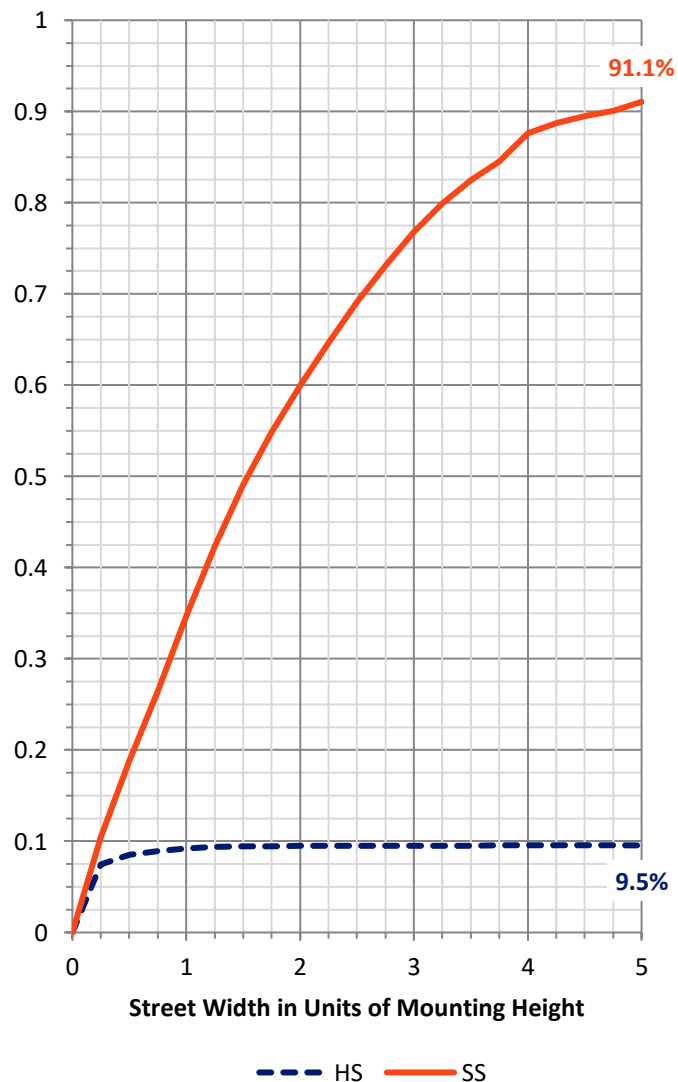
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	227.1	0.0	227.1
	% Fixture	9.6	0.0	9.6
<b>Street Side</b>	Lumens	2137.6	0.0	2137.6
	% Fixture	90.4	0.0	90.4
<b>Total</b>	Lumens	2364.8	0.0	2364.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.5	1.2
10°-20°	62.0	2.6
20°-30°	91.0	3.8
30°-40°	146.3	6.2
40°-50°	275.7	11.7
50°-60°	472.8	20.0
60°-70°	670.0	28.3
70°-80°	580.4	24.5
80°-90°	38.1	1.6
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°	2364.8	100.0
0°-180°	2364.8	100.0

**Coefficient of Utilization**

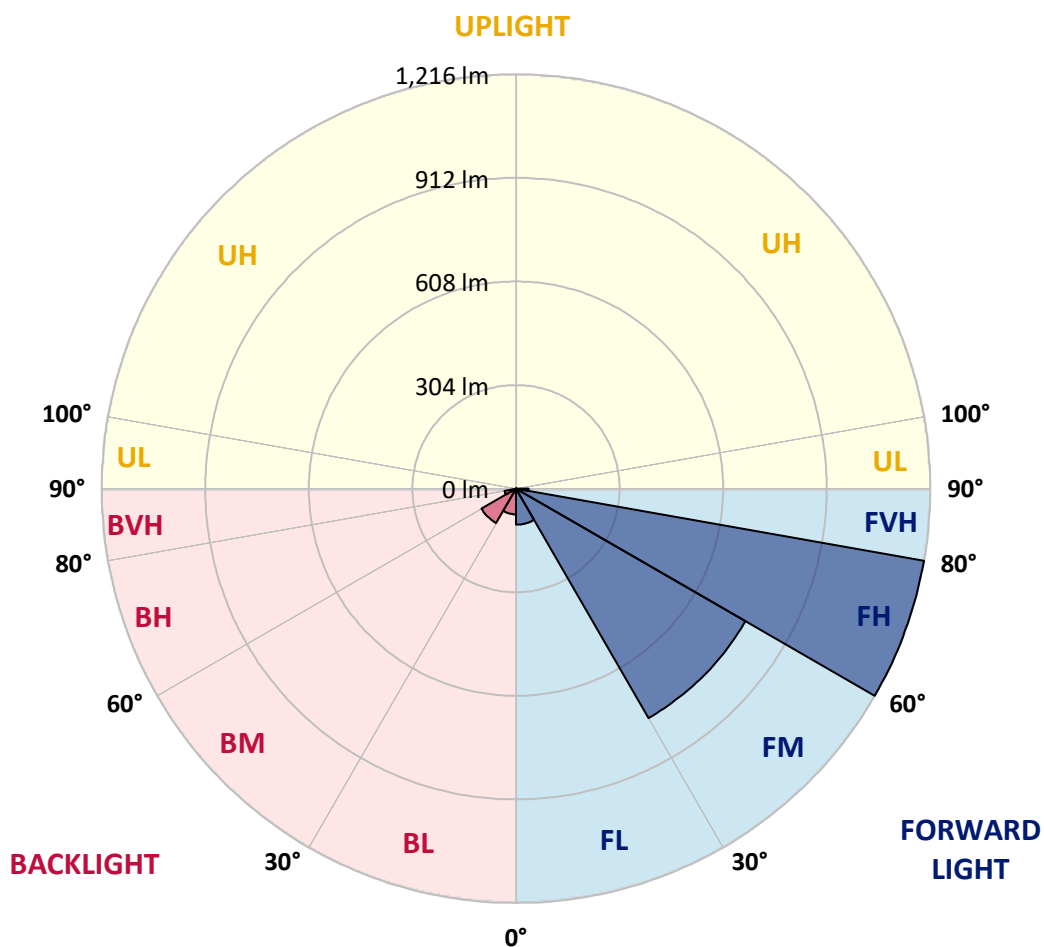


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.0	4.5			
FM (30°-60°)	777.9	32.9			
FH (60°-80°)	1216.5	51.4			G1/1800
FVH (80°-90°)	37.3	1.6			G1/100
BL (0°-30°)	75.5	3.2	B0/110		
BM (30°-60°)	116.9	4.9	B0/220		
BH (60°-80°)	34.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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°	32.5°	35°	45°	55°	65°	75°	85°
0°	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7
2.5°	287.0	293.4	295.0	295.0	295.0	298.2	299.8	309.4	315.8	317.4	328.7
5°	246.9	248.5	253.3	258.1	262.9	266.1	274.1	283.8	298.2	315.8	325.4
7.5°	213.2	210.0	214.8	219.6	227.7	232.5	250.1	266.1	282.2	301.4	327.0
10°	186.0	184.4	186.0	192.4	200.4	206.8	222.8	246.9	270.9	303.0	327.0
12.5°	181.2	178.0	174.7	179.6	187.6	189.2	210.0	237.3	264.5	295.0	333.5
15°	184.4	181.2	176.4	179.6	184.4	192.4	206.8	229.3	261.3	301.4	339.9
17.5°	194.0	194.0	184.4	182.8	190.8	192.4	213.2	234.1	259.7	299.8	349.5
20°	203.6	200.4	186.0	189.2	195.6	202.0	214.8	237.3	259.7	299.8	355.9
22.5°	219.6	213.2	194.0	195.6	202.0	205.2	224.4	245.3	266.1	301.4	365.5
25°	230.9	226.0	203.6	205.2	210.0	218.0	232.5	254.9	272.5	304.6	383.2
27.5°	240.5	238.9	218.0	213.2	219.6	222.8	245.3	269.3	285.4	319.0	399.2
30°	253.3	250.1	230.9	224.4	230.9	240.5	256.5	285.4	303.0	333.5	434.5
32.5°	270.9	266.1	245.3	237.3	248.5	251.7	277.4	312.6	327.0	352.7	464.9
35°	330.3	322.2	285.4	261.3	264.5	275.7	304.6	339.9	354.3	376.7	505.0
37.5°	429.7	423.2	368.7	319.0	301.4	306.2	338.3	375.1	391.2	413.6	570.7
40°	533.9	519.4	481.0	412.0	373.5	367.1	375.1	426.4	442.5	461.7	649.3
42.5°	623.6	599.6	549.9	509.8	477.7	458.5	434.5	479.4	506.6	506.6	726.2
45°	684.6	650.9	607.6	577.1	548.3	541.9	514.6	549.9	583.6	582.0	801.6
47.5°	711.8	700.6	666.9	658.9	641.3	630.1	614.0	654.1	666.9	652.5	893.0
50°	758.3	734.3	716.6	726.2	727.8	727.8	734.3	763.1	771.1	740.7	1016.4
52.5°	795.2	790.4	774.3	796.8	811.2	812.8	859.3	894.6	873.7	846.5	1147.9
55°	838.5	822.4	825.6	859.3	889.8	910.6	982.8	1043.7	979.5	942.7	1276.1
57.5°	880.1	849.7	894.6	928.2	969.9	1002.0	1141.5	1183.2	1027.6	1029.2	1404.4
60°	941.1	907.4	952.3	1008.4	1064.5	1101.4	1314.6	1311.4	1078.9	1096.6	1526.2
62.5°	1085.4	1034.1	1042.1	1103.0	1186.4	1242.5	1489.4	1370.7	1075.7	1141.5	1510.2
65°	1335.5	1287.4	1231.2	1239.3	1383.5	1447.7	1632.0	1398.0	1077.3	1112.6	1301.8
67.5°	1627.2	1553.5	1500.6	1486.2	1622.4	1705.8	1769.9	1386.8	1045.3	917.0	865.7
70°	1944.7	1886.9	1866.1	1901.4	2029.6	2047.3	1988.0	1381.9	856.1	527.4	355.9
72.5°	2052.1	2056.9	2173.9	2337.4	2536.2	2545.9	2217.2	1101.4	418.4	165.1	85.0
75°	1595.2	1569.5	2100.2	2436.8	2839.2	2848.9	1893.4	503.4	141.1	67.3	30.5
77.5°	479.4	448.9	995.6	1800.4	2359.9	2358.3	966.7	147.5	73.7	52.9	19.2
80°	93.0	94.6	179.6	626.8	1266.5	1248.9	266.1	65.7	54.5	43.3	11.2
82.5°	20.8	20.8	51.3	153.9	338.3	365.5	68.9	43.3	40.1	36.9	8.0
85°	3.2	3.2	12.8	48.1	75.3	68.9	22.4	24.0	30.5	27.3	4.8
87.5°	0.0	0.0	4.8	14.4	20.8	17.6	6.4	8.0	16.0	16.0	1.6
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°	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7
2.5°	333.5	335.1	335.1	343.1	343.1	346.3	347.9	349.5	347.9	347.9	346.3
5°	333.5	335.1	344.7	354.3	357.5	355.9	357.5	355.9	354.3	349.5	347.9
7.5°	335.1	343.1	354.3	357.5	359.1	347.9	331.9	319.0	299.8	290.2	291.8
10°	336.7	351.1	365.5	360.7	341.5	304.6	270.9	238.9	214.8	202.0	198.8
12.5°	351.1	359.1	370.3	352.7	303.0	245.3	192.4	150.7	125.0	107.4	112.2
15°	355.9	368.7	380.0	335.1	248.5	173.1	112.2	73.7	59.3	56.1	57.7
17.5°	368.7	381.6	376.7	298.2	194.0	102.6	59.3	51.3	49.7	49.7	49.7
20°	381.6	392.8	376.7	258.1	133.1	56.1	48.1	48.1	48.1	48.1	48.1
22.5°	392.8	408.8	359.1	206.8	72.1	46.5	44.9	46.5	46.5	46.5	44.9
25°	415.2	429.7	344.7	153.9	48.1	43.3	44.9	44.9	46.5	44.9	44.9
27.5°	439.3	458.5	315.8	97.8	41.7	41.7	43.3	44.9	44.9	44.9	44.9
30°	474.5	468.1	285.4	57.7	38.5	36.9	40.1	43.3	44.9	44.9	44.9
32.5°	506.6	495.4	246.9	40.1	35.3	35.3	36.9	41.7	44.9	44.9	44.9
35°	562.7	525.8	200.4	36.9	33.7	33.7	33.7	38.5	43.3	44.9	44.9
37.5°	618.8	559.5	147.5	33.7	32.1	32.1	32.1	35.3	40.1	44.9	43.3
40°	689.4	591.6	94.6	32.1	32.1	30.5	30.5	32.1	33.7	41.7	41.7
42.5°	767.9	610.8	57.7	32.1	30.5	28.9	28.9	28.9	32.1	35.3	35.3
45°	804.8	607.6	41.7	30.5	28.9	28.9	27.3	27.3	27.3	28.9	28.9
47.5°	864.1	599.6	33.7	28.9	27.3	27.3	25.7	24.0	25.7	22.4	20.8
50°	937.9	612.4	28.9	27.3	25.7	25.7	22.4	20.8	20.8	16.0	16.0
52.5°	1000.4	610.8	24.0	24.0	25.7	25.7	20.8	19.2	16.0	12.8	12.8
55°	1099.8	607.6	20.8	20.8	22.4	20.8	17.6	14.4	11.2	9.6	8.0
57.5°	1192.8	609.2	19.2	17.6	19.2	17.6	14.4	11.2	9.6	6.4	6.4
60°	1260.1	582.0	17.6	14.4	14.4	12.8	11.2	8.0	6.4	4.8	3.2
62.5°	1234.5	533.9	14.4	11.2	11.2	11.2	8.0	6.4	4.8	1.6	1.6
65°	1035.7	402.4	11.2	9.6	8.0	8.0	6.4	4.8	3.2	1.6	0.0
67.5°	646.1	211.6	9.6	6.4	6.4	6.4	4.8	3.2	1.6	0.0	0.0
70°	237.3	77.0	9.6	6.4	4.8	4.8	3.2	3.2	1.6	0.0	0.0
72.5°	57.7	25.7	8.0	6.4	4.8	4.8	3.2	1.6	1.6	0.0	0.0
75°	24.0	12.8	6.4	4.8	4.8	3.2	3.2	1.6	0.0	0.0	0.0
77.5°	14.4	9.6	6.4	4.8	3.2	3.2	1.6	1.6	0.0	0.0	0.0
80°	9.6	8.0	4.8	4.8	3.2	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	8.0	6.4	4.8	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
85°	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	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)