

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: P565382

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T3R-HSS**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565382  
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-T3R-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T3R distribution lens and House Side Shield  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

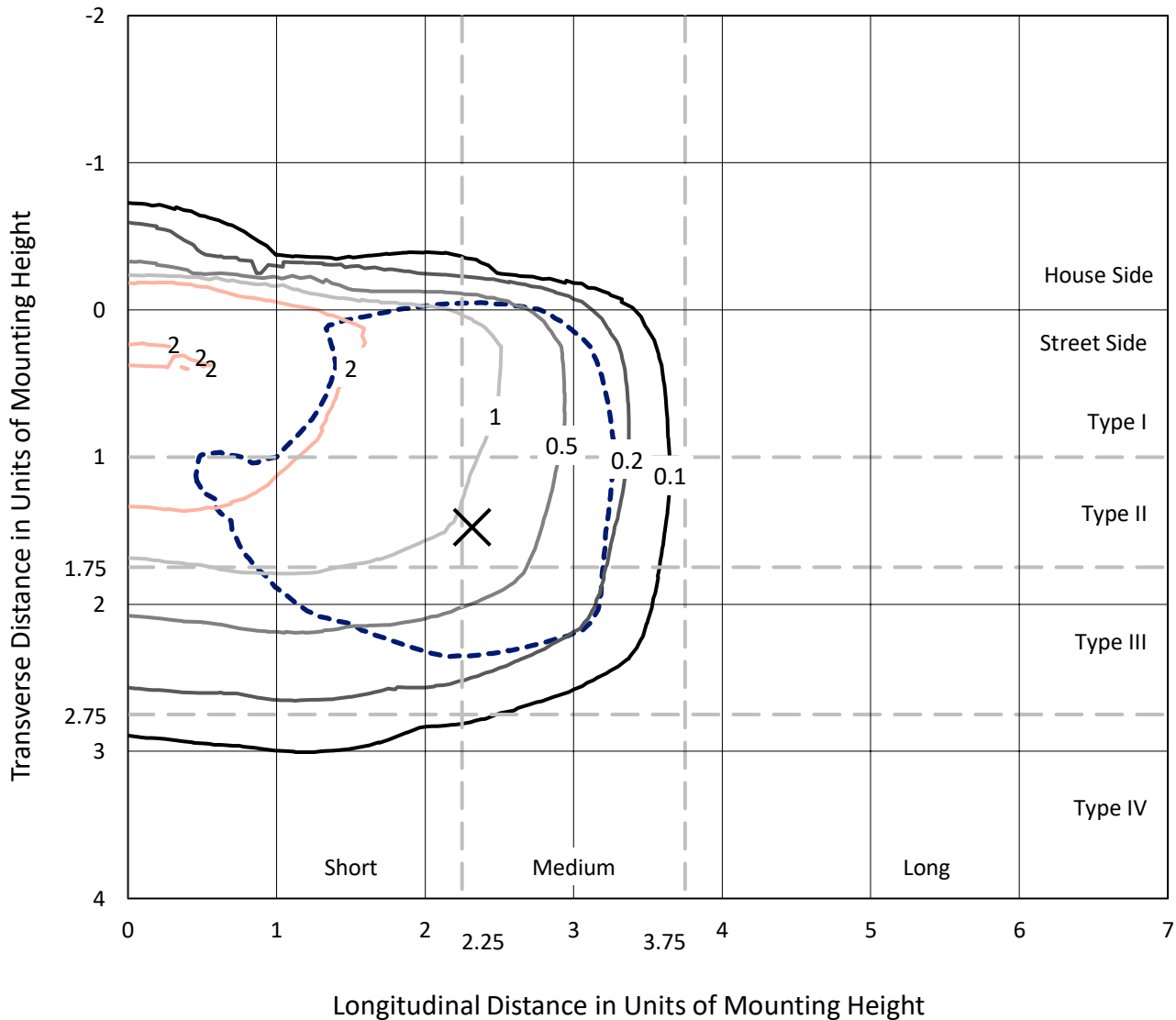
Lumens per Lamp: N/A  
Luminaire Lumens: 2343.7 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

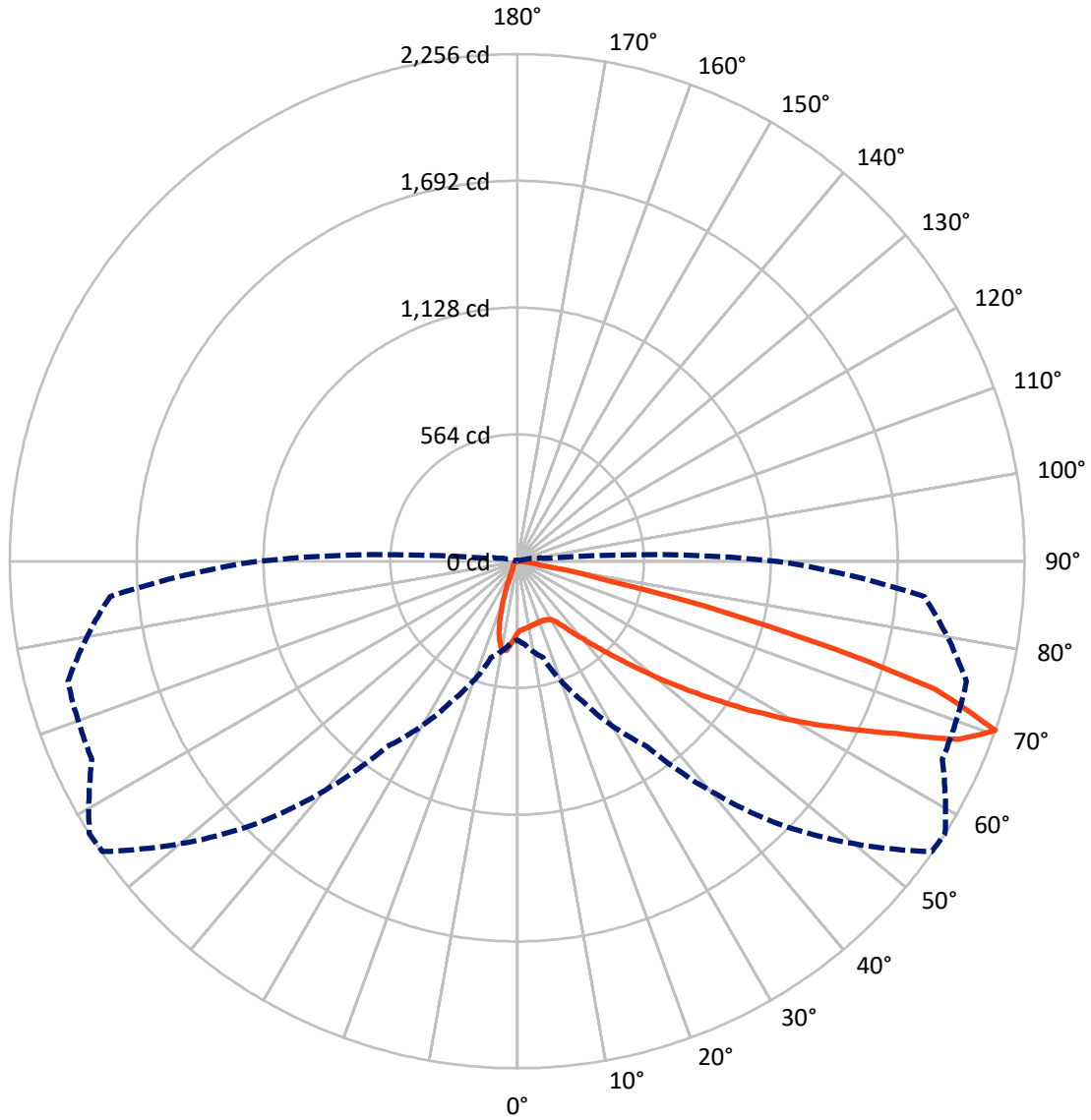
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 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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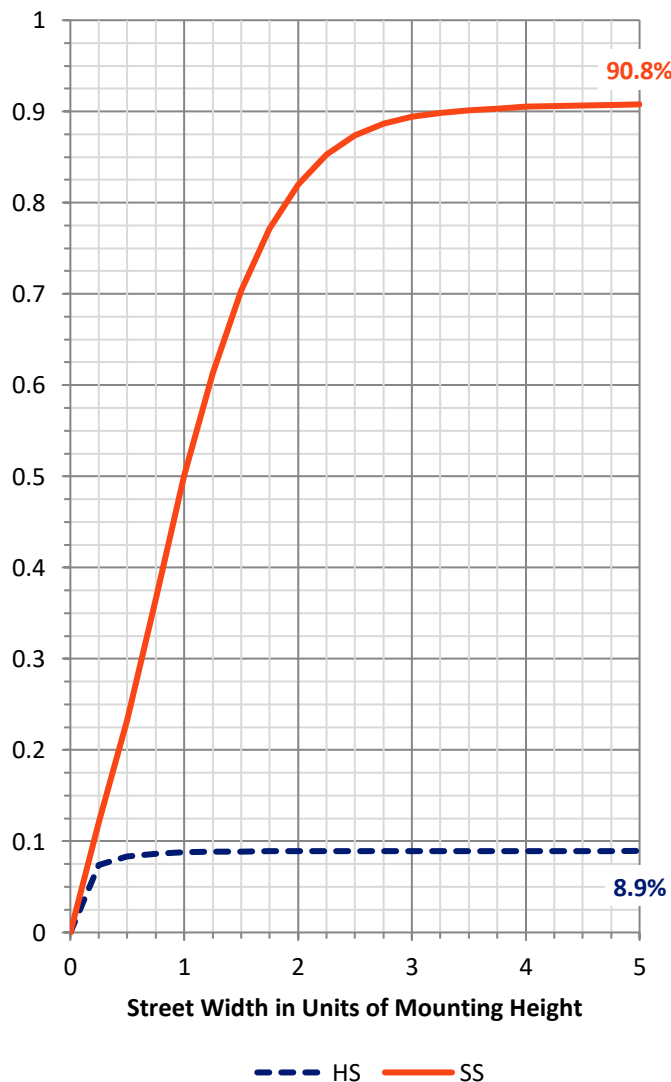
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	210.7	0.0	210.7
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	2133.0	0.0	2133.0
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	2343.7	0.0	2343.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.7	1.3
10°-20°	72.7	3.1
20°-30°	115.8	4.9
30°-40°	213.0	9.1
40°-50°	350.8	15.0
50°-60°	517.6	22.1
60°-70°	716.6	30.6
70°-80°	317.4	13.5
80°-90°	9.2	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°	2343.7	100.0
0°-180°	2343.7	100.0

**Coefficient of Utilization**

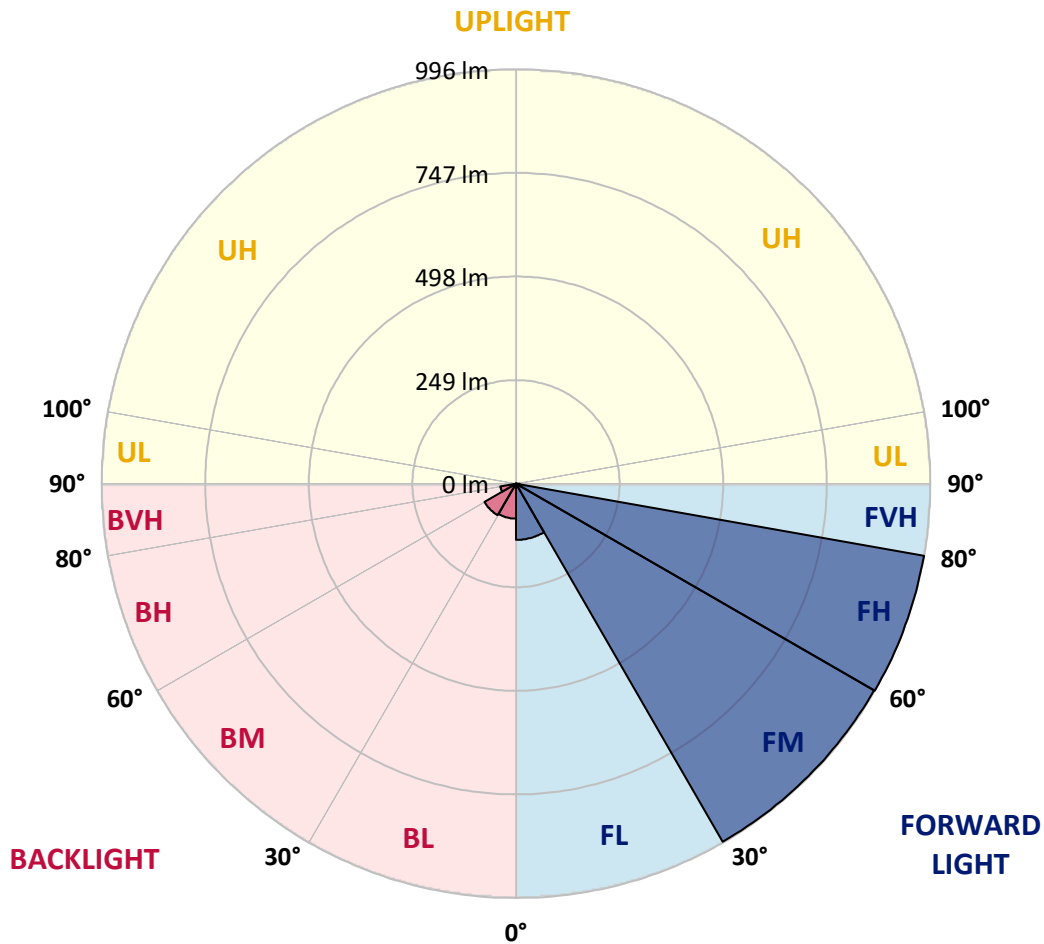


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.0	5.8			
FM (30°-60°)	993.7	42.4			
FH (60°-80°)	995.7	42.5			G1/1800
FVH (80°-90°)	8.5	0.4			G0/10
BL (0°-30°)	84.1	3.6	B0/110		
BM (30°-60°)	87.6	3.7	B0/220		
BH (60°-80°)	38.3	1.6	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5
2.5°	294.3	295.7	297.1	298.5	301.3	302.7	308.3	308.3	311.1	313.9	322.3
5°	269.0	270.4	273.2	280.2	287.3	294.3	302.7	304.1	309.7	319.5	329.3
7.5°	242.4	243.8	249.4	255.0	266.2	280.2	297.1	299.9	312.5	326.5	341.9
10°	222.8	221.4	225.6	231.2	243.8	266.2	291.5	297.1	316.7	336.3	358.7
12.5°	215.8	215.8	217.2	221.4	229.8	252.2	285.9	292.9	318.1	347.5	378.3
15°	210.2	210.2	211.6	213.0	222.8	243.8	281.6	291.5	322.3	358.7	395.1
17.5°	208.8	207.4	207.4	207.4	215.8	238.2	277.4	288.7	327.9	368.5	409.2
20°	224.2	221.4	213.0	208.8	213.0	232.6	276.0	287.3	332.1	375.5	416.2
22.5°	298.5	288.7	264.8	234.0	218.6	231.2	273.2	287.3	336.3	382.5	423.2
25°	435.8	421.8	375.5	308.3	252.2	238.2	274.6	290.1	341.9	386.7	428.8
27.5°	580.1	567.5	515.7	420.4	316.7	259.2	278.8	294.3	350.3	396.5	444.2
30°	695.0	690.8	640.4	538.1	407.8	309.7	291.5	302.7	364.3	416.2	463.8
32.5°	780.5	779.1	739.9	647.4	510.0	375.5	319.5	325.1	388.1	430.2	477.8
35°	847.7	843.5	812.7	737.0	612.3	456.8	362.9	357.3	407.8	445.6	493.2
37.5°	889.8	894.0	878.6	823.9	710.4	545.1	423.2	406.4	424.6	459.6	519.9
40°	909.4	916.4	943.0	927.6	821.1	636.2	479.2	456.8	452.6	489.0	564.7
42.5°	920.6	934.6	993.5	1025.7	936.0	732.8	552.1	524.1	501.6	535.3	627.8
45°	951.4	965.4	1028.5	1090.2	1035.5	830.9	634.8	603.9	567.5	594.1	711.8
47.5°	973.9	986.5	1042.5	1125.2	1100.0	930.4	734.2	702.0	657.2	671.2	814.1
50°	992.1	1004.7	1069.1	1139.2	1136.4	1014.5	844.9	818.3	773.5	774.9	933.2
52.5°	983.7	1001.9	1073.3	1143.4	1140.6	1070.5	983.7	954.2	915.0	917.8	1083.2
55°	821.1	850.5	1035.5	1135.0	1158.8	1125.2	1123.8	1101.4	1084.6	1093.0	1233.1
57.5°	769.3	784.7	913.6	1128.0	1207.9	1224.7	1273.7	1272.3	1266.7	1273.7	1339.6
60°	741.3	759.5	873.0	1126.6	1290.5	1371.8	1453.1	1450.3	1433.5	1446.1	1495.1
62.5°	672.6	692.2	815.5	1098.6	1367.6	1542.8	1646.4	1639.4	1603.0	1652.1	1720.7
65°	585.7	605.3	730.0	1008.9	1391.4	1687.1	1851.0	1849.6	1814.6	1911.3	1972.9
67.5°	477.8	497.4	602.5	894.0	1272.3	1765.6	2115.9	2115.9	2040.2	2132.7	2082.2
70°	350.3	371.3	444.2	686.6	1006.1	1659.1	2251.8	2256.0	2086.4	2068.2	1817.4
72.5°	178.0	201.8	302.7	463.8	671.2	1308.8	1950.5	1940.7	1719.3	1461.5	1074.7
75°	74.3	84.1	159.7	263.4	280.2	647.4	1165.8	1150.4	868.8	623.5	354.5
77.5°	32.2	33.6	61.7	110.7	91.1	159.7	428.8	416.2	281.6	145.7	79.9
80°	23.8	28.0	51.8	49.0	32.2	42.0	103.7	102.3	67.3	36.4	22.4
82.5°	11.2	15.4	40.6	30.8	14.0	18.2	36.4	36.4	26.6	18.2	11.2
85°	4.2	5.6	23.8	19.6	7.0	5.6	15.4	15.4	12.6	8.4	4.2
87.5°	0.0	0.0	11.2	5.6	2.8	1.4	2.8	2.8	2.8	2.8	2.8
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°	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5
2.5°	325.1	327.9	332.1	339.1	343.3	347.5	347.5	351.7	350.3	351.7	350.3
5°	336.3	340.5	355.9	367.1	372.7	378.3	372.7	369.9	365.7	360.1	358.7
7.5°	353.1	364.3	390.9	400.8	400.8	382.5	355.9	333.5	319.5	309.7	304.1
10°	376.9	393.7	421.8	426.0	396.5	341.9	292.9	256.4	236.8	220.0	217.2
12.5°	398.0	420.4	451.2	426.0	350.3	277.4	214.4	162.5	138.7	123.3	120.5
15°	420.4	449.8	470.8	400.8	292.9	199.0	128.9	79.9	64.5	58.9	57.5
17.5°	441.4	476.4	477.8	354.5	222.8	120.5	61.7	49.0	46.2	47.6	47.6
20°	456.8	493.2	459.6	299.9	144.3	61.7	46.2	44.8	44.8	44.8	44.8
22.5°	470.8	504.4	427.4	234.0	81.3	44.8	43.4	43.4	43.4	43.4	43.4
25°	480.6	510.0	382.5	163.9	47.6	40.6	40.6	40.6	40.6	42.0	42.0
27.5°	498.8	517.1	339.1	99.5	39.2	37.8	37.8	37.8	37.8	39.2	39.2
30°	519.9	524.1	292.9	56.0	36.4	33.6	33.6	33.6	33.6	33.6	33.6
32.5°	535.3	519.9	231.2	40.6	33.6	30.8	29.4	28.0	26.6	26.6	26.6
35°	554.9	518.5	165.3	36.4	32.2	28.0	25.2	23.8	21.0	19.6	19.6
37.5°	581.5	510.0	105.1	33.6	29.4	25.2	22.4	19.6	15.4	15.4	15.4
40°	617.9	504.4	67.3	32.2	28.0	23.8	18.2	15.4	12.6	12.6	12.6
42.5°	667.0	496.0	46.2	30.8	26.6	21.0	15.4	12.6	9.8	8.4	8.4
45°	710.4	479.2	37.8	29.4	23.8	18.2	12.6	9.8	7.0	7.0	7.0
47.5°	751.1	448.4	35.0	26.6	21.0	14.0	9.8	7.0	5.6	5.6	5.6
50°	805.7	403.6	33.6	25.2	18.2	11.2	8.4	5.6	5.6	5.6	5.6
52.5°	870.2	355.9	30.8	22.4	15.4	9.8	7.0	5.6	4.2	4.2	4.2
55°	933.2	299.9	26.6	19.6	14.0	8.4	5.6	5.6	4.2	4.2	2.8
57.5°	980.9	263.4	22.4	16.8	11.2	7.0	5.6	4.2	4.2	2.8	2.8
60°	1070.5	263.4	18.2	14.0	9.8	7.0	5.6	4.2	2.8	2.8	2.8
62.5°	1207.9	276.0	14.0	11.2	7.0	5.6	4.2	4.2	2.8	1.4	1.4
65°	1363.4	276.0	12.6	8.4	5.6	4.2	4.2	2.8	1.4	1.4	1.4
67.5°	1397.0	235.4	11.2	7.0	4.2	4.2	2.8	2.8	1.4	0.0	0.0
70°	1156.0	140.1	9.8	5.6	4.2	2.8	2.8	1.4	0.0	0.0	0.0
72.5°	655.8	56.0	8.4	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
75°	201.8	21.0	7.0	4.2	2.8	1.4	1.4	1.4	0.0	0.0	0.0
77.5°	44.8	12.6	5.6	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0
80°	15.4	8.4	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0
82.5°	8.4	5.6	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0
85°	4.2	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.4	1.4	1.4	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)