

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: P565366

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T2R-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565366  
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-T2R-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T2R distribution lens and House Side Shield  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

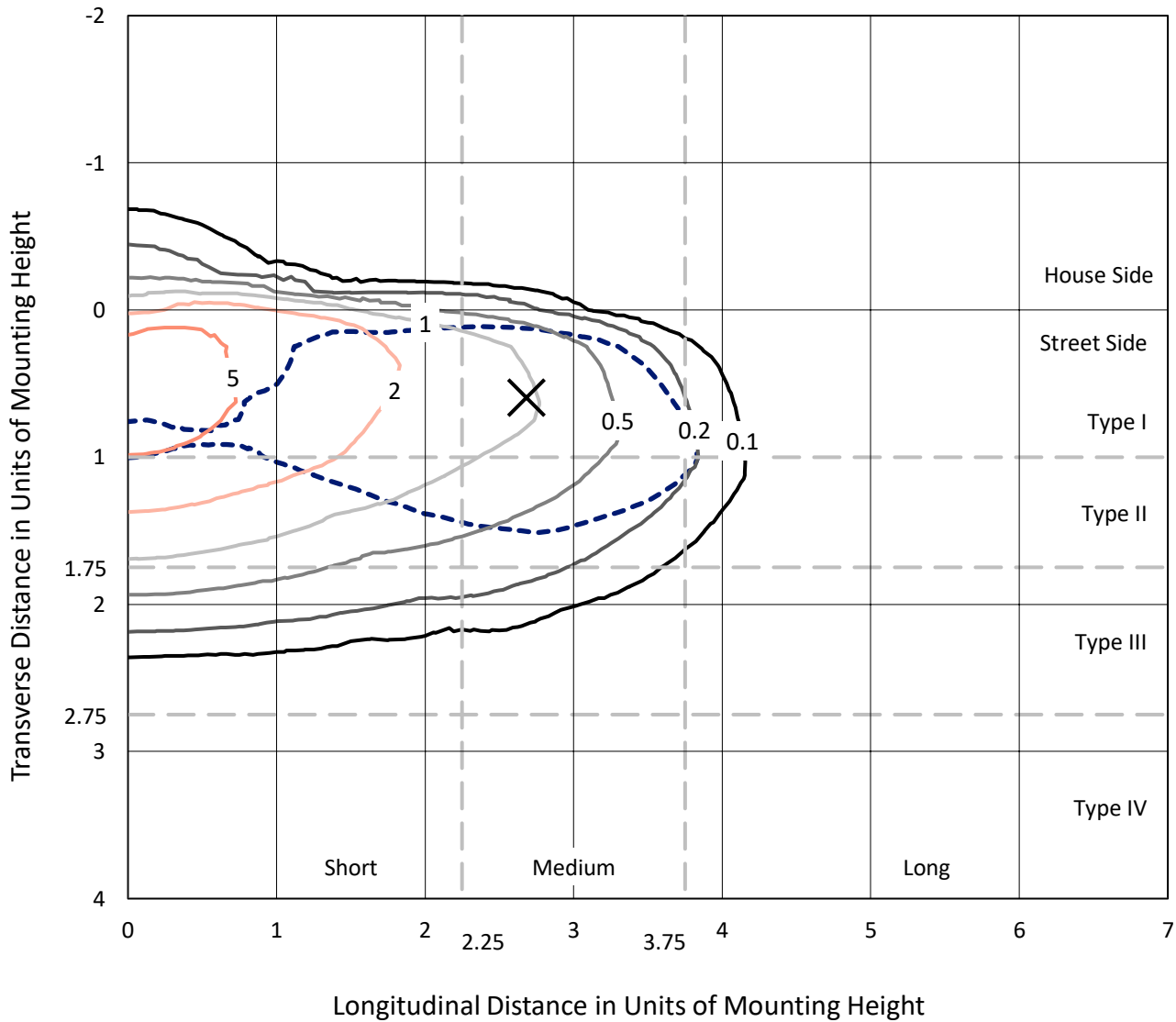
Lumens per Lamp: N/A  
Luminaire Lumens: 2571.1 lumens  
Efficiency: N/A  
Efficacy: 42.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

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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 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

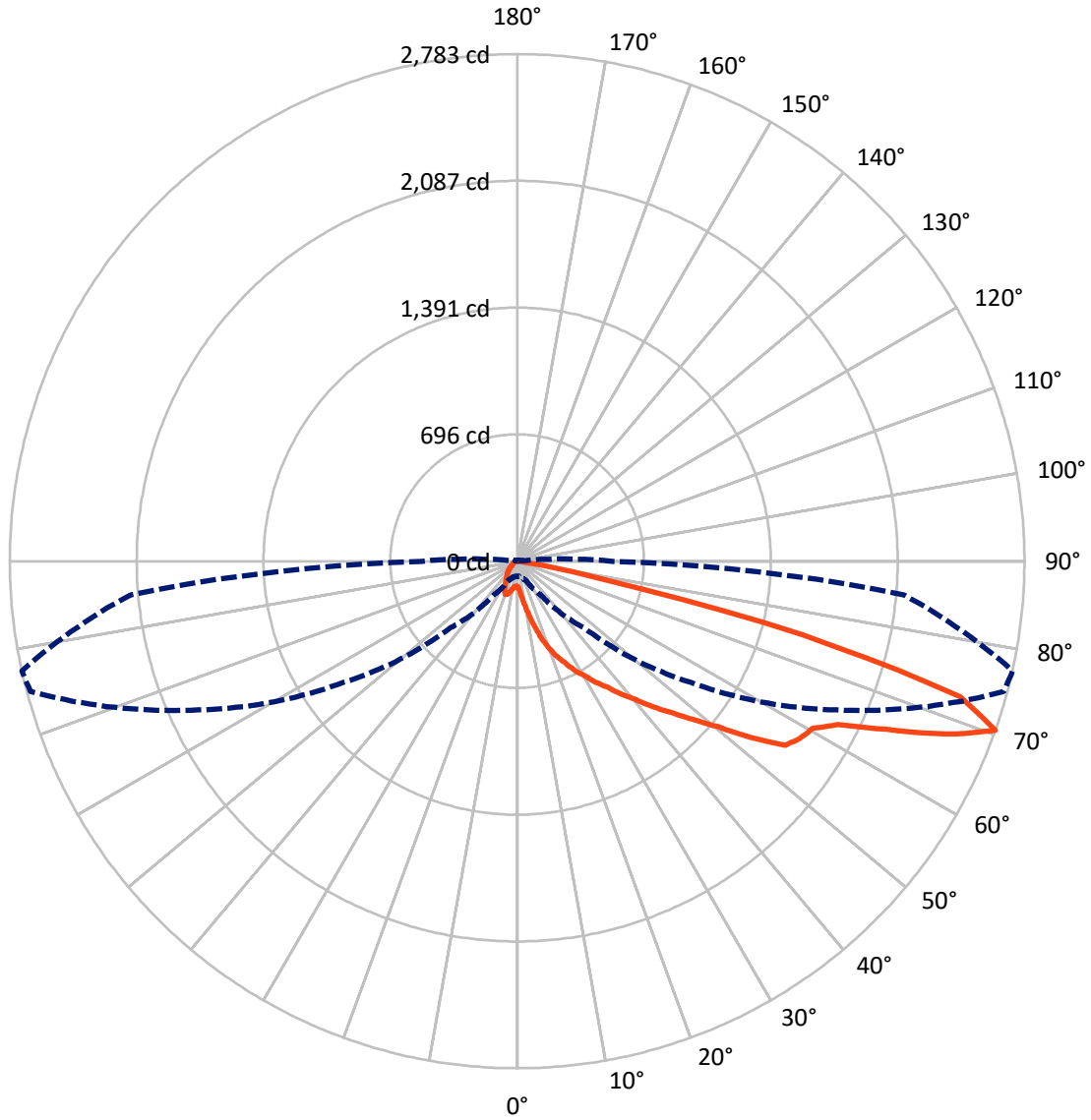
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc  
 Type II - Medium - N/A

REPORT NUMBER: P565366  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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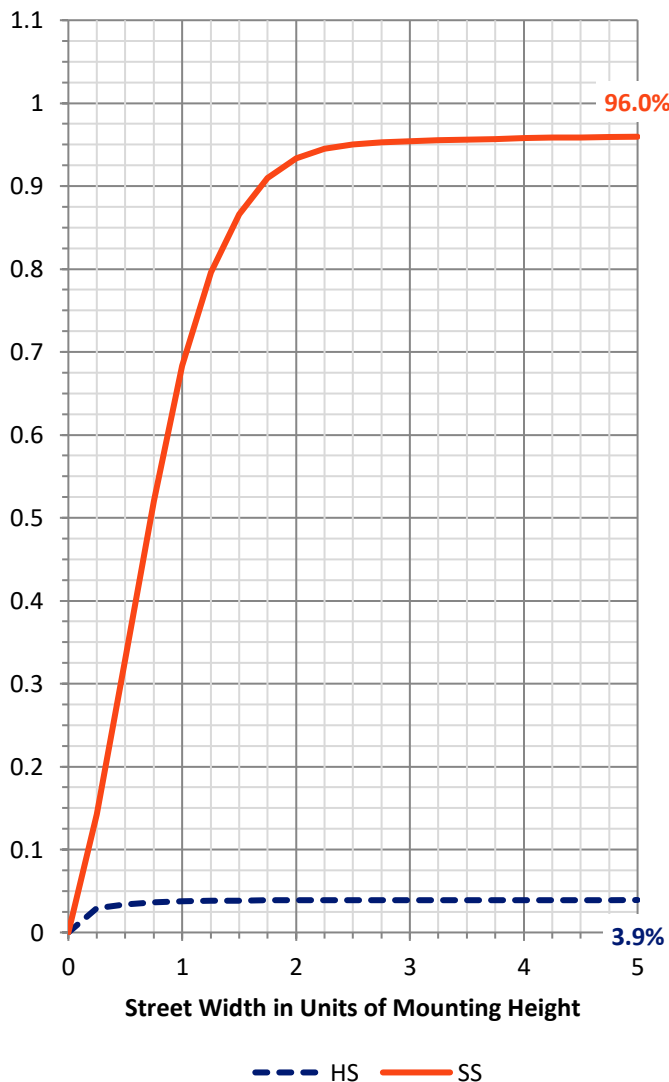
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	101.1	0.0	101.1
	% Fixture	3.9	0.0	3.9
<b>Street Side</b>	Lumens	2470.0	0.0	2470.0
	% Fixture	96.1	0.0	96.1
<b>Total</b>	Lumens	2571.1	0.0	2571.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.2	0.8
10°-20°	94.1	3.7
20°-30°	186.8	7.3
30°-40°	343.2	13.3
40°-50°	507.5	19.7
50°-60°	594.5	23.1
60°-70°	557.0	21.7
70°-80°	258.7	10.1
80°-90°	8.2	0.3
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°	2571.1	100.0
0°-180°	2571.1	100.0

**Coefficient of Utilization**

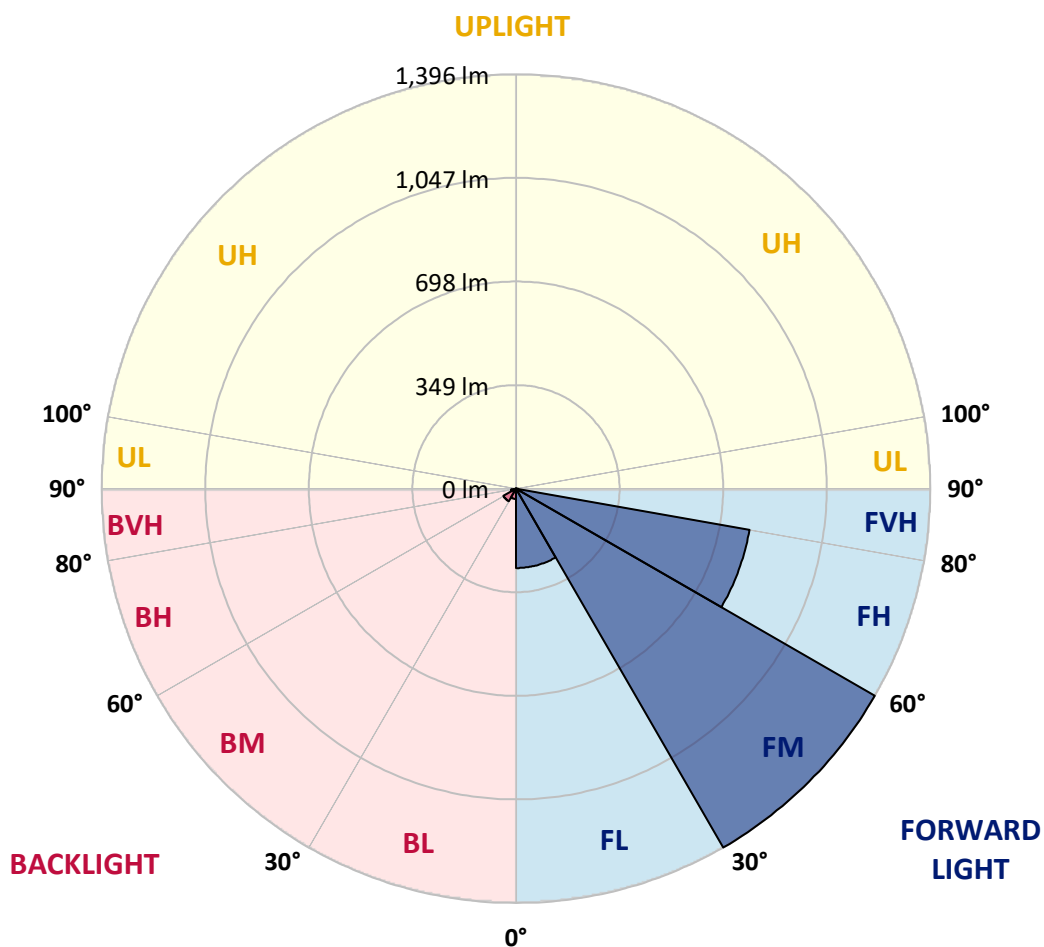


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 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.5	10.4			
FM (30°-60°)	1396.1	54.3			
FH (60°-80°)	799.0	31.1			G1/1800
FVH (80°-90°)	7.4	0.3			G0/10
BL (0°-30°)	34.6	1.3	B0/110		
BM (30°-60°)	49.1	1.9	B0/220		
BH (60°-80°)	16.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.8	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 II Medium





REPORT NUMBER: P565366

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9
2.5°	211.5	202.1	200.5	195.8	191.1	180.2	170.8	158.2	148.8	145.7	144.1
5°	369.8	360.4	349.4	330.6	313.4	272.6	242.9	206.8	175.5	170.8	156.7
7.5°	482.6	471.6	468.5	449.7	448.1	410.5	349.4	280.5	219.3	209.9	175.5
10°	551.5	546.8	546.8	539.0	531.1	515.5	466.9	383.9	274.2	257.0	206.8
12.5°	611.0	601.6	611.0	611.0	622.0	589.1	545.2	476.3	343.1	313.4	239.7
15°	648.6	645.5	658.0	672.1	681.5	665.9	617.3	548.4	429.3	387.0	286.7
17.5°	636.1	647.1	665.9	697.2	731.7	733.3	700.3	609.5	502.9	454.4	325.9
20°	622.0	620.4	656.5	681.5	733.3	777.1	763.0	680.0	560.9	518.6	377.6
22.5°	625.1	629.8	664.3	681.5	733.3	794.4	808.5	736.4	609.5	571.9	424.6
25°	701.9	697.2	705.1	719.2	752.1	803.8	839.8	794.4	662.7	622.0	482.6
27.5°	833.5	832.0	817.9	785.0	788.1	832.0	857.0	844.5	719.2	683.1	529.6
30°	1071.7	1048.2	1012.1	926.0	855.5	864.9	880.5	871.1	774.0	728.6	578.1
32.5°	1192.3	1182.9	1173.5	1103.0	951.0	908.7	910.3	886.8	830.4	792.8	618.9
35°	1319.2	1313.0	1259.7	1220.5	1098.3	990.2	969.8	918.1	904.0	847.6	661.2
37.5°	1381.9	1396.0	1367.8	1302.0	1223.7	1121.8	1032.5	962.0	963.6	926.0	708.2
40°	1439.9	1438.3	1391.3	1363.1	1292.6	1225.2	1123.4	1032.5	1023.1	998.0	759.9
42.5°	1443.0	1452.4	1422.6	1388.2	1355.3	1309.8	1244.0	1095.2	1110.8	1090.5	816.3
45°	1375.6	1370.9	1381.9	1391.3	1392.9	1358.4	1377.2	1203.3	1208.0	1186.1	894.6
47.5°	1303.6	1276.9	1289.5	1345.9	1386.6	1385.0	1464.9	1316.1	1306.7	1295.7	973.0
50°	1164.1	1171.9	1181.4	1248.7	1363.1	1413.2	1544.8	1414.8	1424.2	1428.9	1095.2
52.5°	1015.3	1023.1	1043.5	1135.9	1281.6	1414.8	1609.1	1585.6	1604.4	1607.5	1236.2
55°	947.9	941.6	944.8	1007.4	1156.3	1403.8	1616.9	1700.0	1795.5	1784.6	1333.3
57.5°	863.3	861.7	875.8	943.2	1059.1	1328.6	1645.1	1761.1	1842.5	1831.6	1369.4
60°	717.6	725.4	763.0	853.9	1005.9	1228.4	1616.9	1751.7	1862.9	1862.9	1433.6
62.5°	526.4	537.4	589.1	709.8	891.5	1099.9	1543.3	1745.4	1963.2	1974.1	1585.6
65°	297.7	300.8	354.1	484.1	703.5	957.3	1474.3	1853.5	2181.0	2224.8	1772.0
67.5°	137.9	134.7	169.2	266.4	455.9	756.8	1366.2	1945.9	2497.4	2535.0	2052.5
70°	83.0	83.0	90.9	117.5	228.7	515.5	1157.8	1930.3	2763.8	2782.6	2129.3
72.5°	65.8	67.4	70.5	75.2	106.5	266.4	828.8	1676.5	2663.5	2539.7	1767.3
75°	47.0	50.1	58.0	61.1	70.5	125.3	358.8	994.9	1803.4	1616.9	949.5
77.5°	37.6	37.6	40.7	47.0	53.3	84.6	87.7	332.2	582.8	479.4	180.2
80°	23.5	23.5	32.9	34.5	43.9	54.8	29.8	70.5	78.3	65.8	32.9
82.5°	12.5	14.1	17.2	26.6	36.0	25.1	12.5	23.5	25.1	25.1	14.1
85°	0.0	1.6	9.4	17.2	12.5	6.3	7.8	9.4	9.4	9.4	6.3
87.5°	0.0	0.0	4.7	3.1	3.1	1.6	1.6	3.1	3.1	3.1	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°	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9
2.5°	141.0	139.4	134.7	133.2	128.5	125.3	125.3	123.8	120.6	120.6	120.6
5°	148.8	144.1	136.3	128.5	123.8	120.6	119.1	114.4	111.2	111.2	111.2
7.5°	162.9	153.5	142.6	131.6	123.8	114.4	105.0	95.6	89.3	84.6	84.6
10°	181.7	167.6	148.8	136.3	117.5	95.6	76.8	62.7	58.0	54.8	54.8
12.5°	205.2	184.9	159.8	136.3	97.1	67.4	53.3	47.0	45.4	43.9	43.9
15°	233.4	205.2	170.8	123.8	70.5	51.7	43.9	42.3	40.7	39.2	39.2
17.5°	266.4	228.7	177.0	100.3	53.3	43.9	40.7	37.6	36.0	36.0	36.0
20°	296.1	252.3	172.3	72.1	43.9	39.2	36.0	32.9	31.3	31.3	31.3
22.5°	330.6	267.9	153.5	53.3	39.2	34.5	31.3	29.8	28.2	26.6	26.6
25°	363.5	283.6	123.8	42.3	36.0	31.3	28.2	26.6	25.1	23.5	23.5
27.5°	396.4	296.1	94.0	37.6	32.9	28.2	25.1	23.5	21.9	21.9	21.9
30°	430.9	299.3	67.4	34.5	29.8	26.6	23.5	21.9	20.4	20.4	20.4
32.5°	445.0	293.0	48.6	32.9	28.2	23.5	20.4	18.8	18.8	18.8	18.8
35°	465.3	280.5	39.2	29.8	25.1	21.9	18.8	18.8	17.2	17.2	17.2
37.5°	488.8	257.0	34.5	28.2	23.5	20.4	18.8	17.2	17.2	15.7	15.7
40°	506.1	233.4	31.3	26.6	21.9	18.8	17.2	15.7	15.7	14.1	14.1
42.5°	528.0	199.0	31.3	25.1	20.4	17.2	15.7	14.1	12.5	12.5	11.0
45°	551.5	166.1	29.8	23.5	18.8	15.7	14.1	11.0	9.4	9.4	9.4
47.5°	575.0	130.0	28.2	21.9	17.2	14.1	11.0	9.4	7.8	7.8	6.3
50°	617.3	100.3	25.1	18.8	15.7	12.5	9.4	7.8	6.3	6.3	4.7
52.5°	653.3	79.9	23.5	17.2	14.1	11.0	7.8	6.3	4.7	4.7	4.7
55°	640.8	64.2	20.4	15.7	12.5	7.8	6.3	4.7	4.7	3.1	3.1
57.5°	595.4	58.0	18.8	14.1	11.0	7.8	6.3	4.7	3.1	3.1	3.1
60°	582.8	51.7	17.2	14.1	9.4	6.3	4.7	3.1	3.1	3.1	1.6
62.5°	581.3	47.0	15.7	11.0	7.8	4.7	4.7	3.1	3.1	1.6	1.6
65°	604.8	42.3	12.5	9.4	6.3	4.7	3.1	3.1	1.6	0.0	0.0
67.5°	612.6	37.6	12.5	7.8	4.7	3.1	3.1	1.6	0.0	0.0	0.0
70°	521.7	31.3	11.0	6.3	4.7	3.1	1.6	1.6	0.0	0.0	0.0
72.5°	308.7	25.1	9.4	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0
75°	111.2	17.2	6.3	4.7	3.1	1.6	1.6	0.0	0.0	0.0	0.0
77.5°	34.5	12.5	4.7	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
80°	14.1	9.4	4.7	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
82.5°	7.8	6.3	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	4.7	3.1	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.6	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)