

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: P565374

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T3-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565374
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-T3-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T3 distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

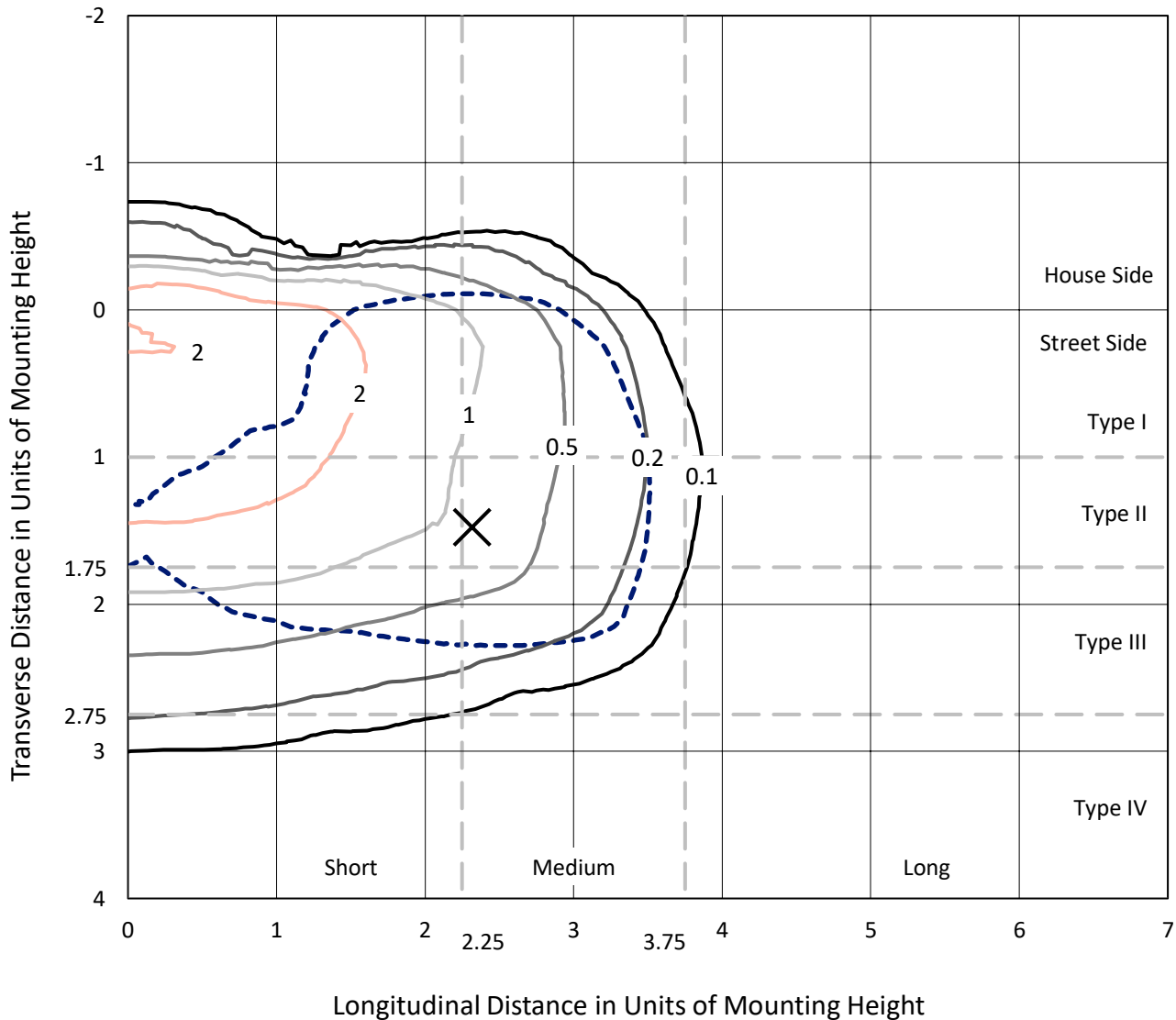
Lumens per Lamp: N/A
Luminaire Lumens: 2426.7 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

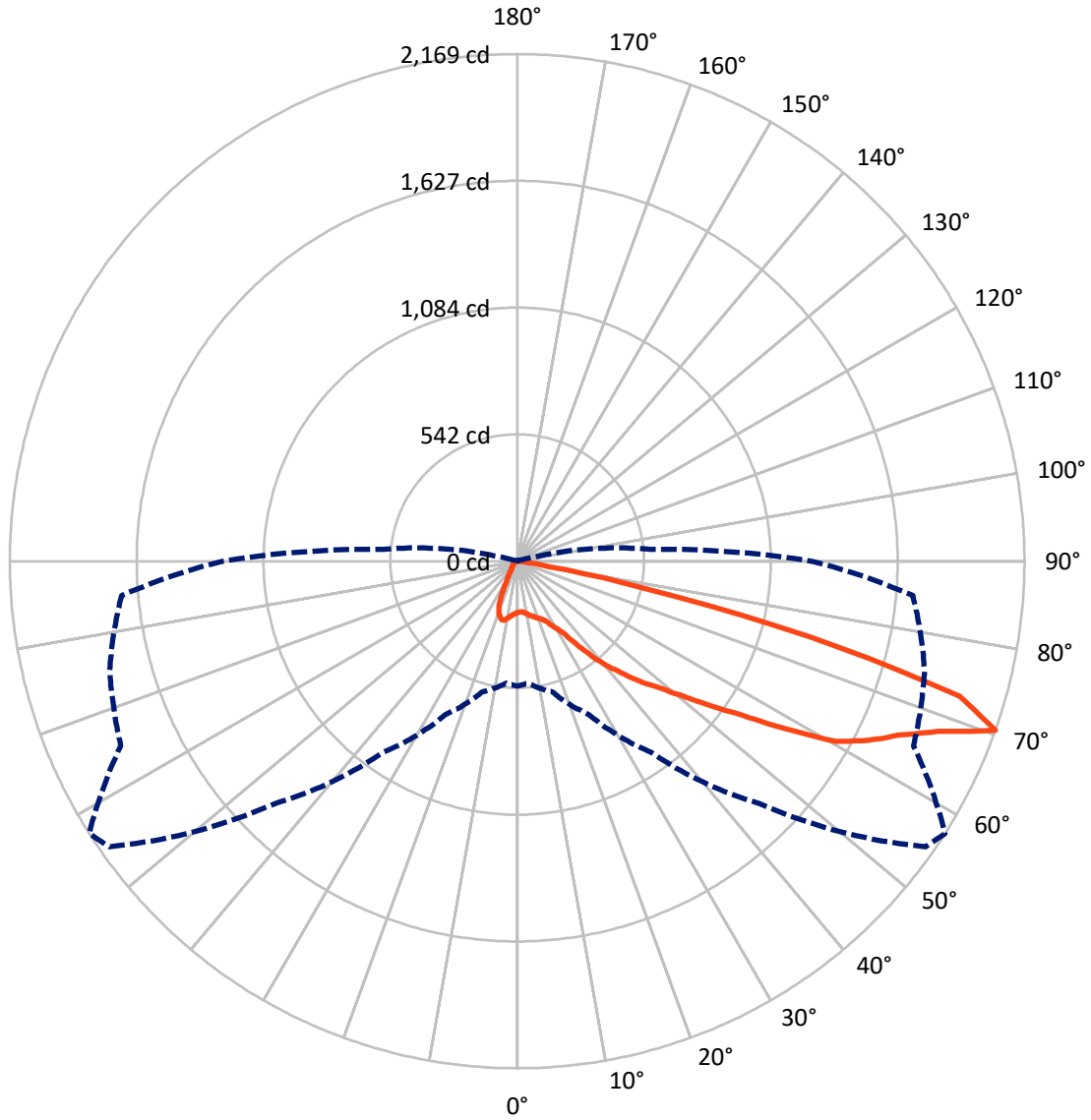
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 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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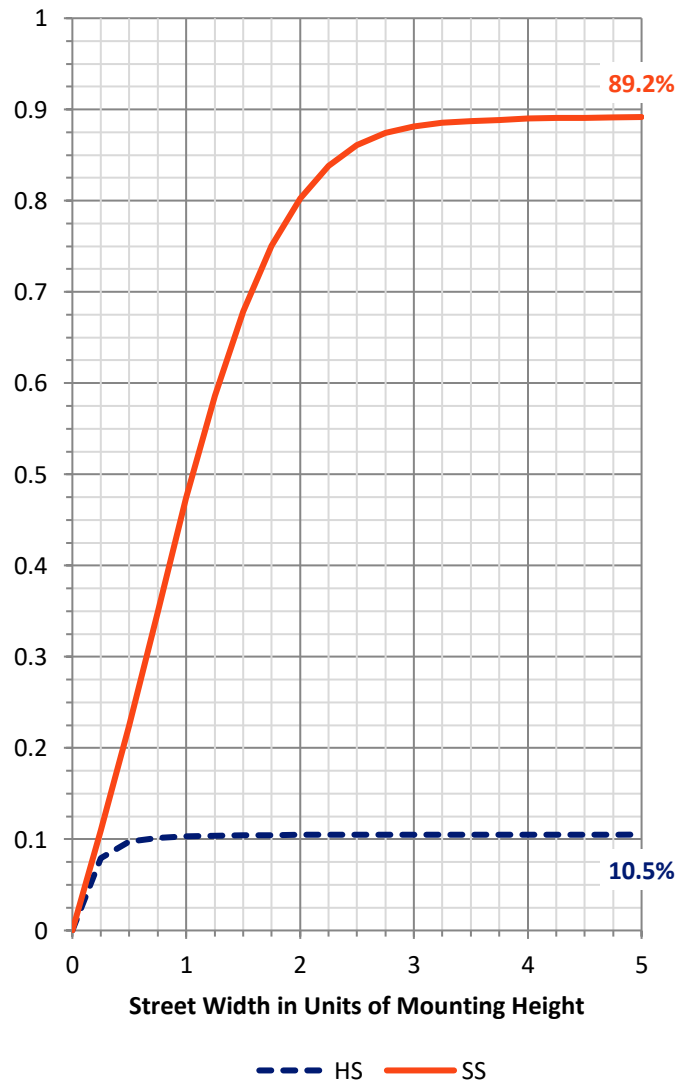
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	257.9	0.0	257.9
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	2168.8	0.0	2168.8
	% Fixture	89.4	0.0	89.4
Total	Lumens	2426.7	0.0	2426.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	0.9
10°-20°	63.8	2.6
20°-30°	112.8	4.6
30°-40°	203.9	8.4
40°-50°	355.5	14.6
50°-60°	583.0	24.0
60°-70°	748.0	30.8
70°-80°	328.2	13.5
80°-90°	10.2	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°	2426.7	100.0
0°-180°	2426.7	100.0

Coefficient of Utilization

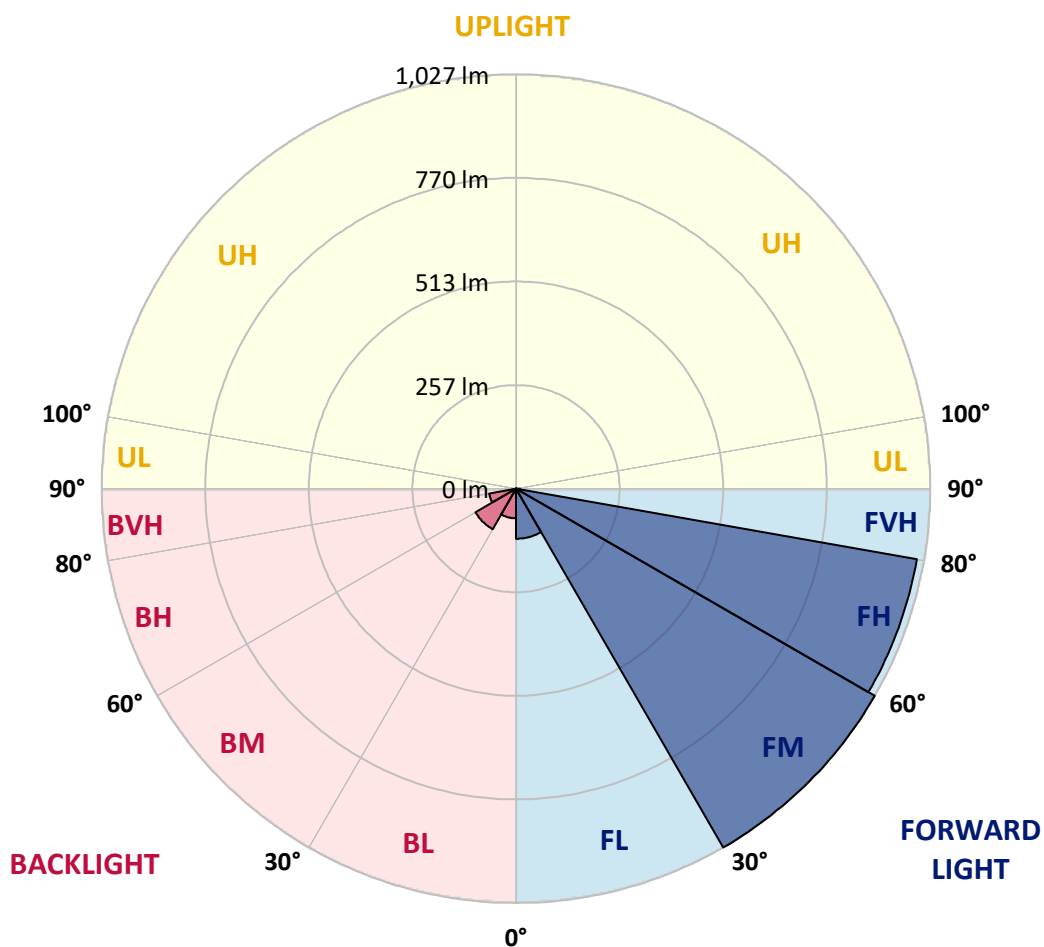


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.2	5.1			
FM (30°-60°)	1026.5	42.3			
FH (60°-80°)	1008.6	41.6			G1/1800
FVH (80°-90°)	9.5	0.4			G0/10
BL (0°-30°)	73.7	3.0	B0/110		
BM (30°-60°)	115.9	4.8	B0/220		
BH (60°-80°)	67.7	2.8	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°	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8
2.5°	207.0	210.1	211.6	211.6	210.1	213.2	213.2	217.8	216.3	219.3	222.4
5°	203.9	202.4	205.4	207.0	210.1	213.2	217.8	217.8	220.9	222.4	225.5
7.5°	197.7	196.2	196.2	202.4	208.5	216.3	222.4	220.9	227.1	233.2	241.0
10°	196.2	197.7	197.7	200.8	207.0	213.2	225.5	228.6	239.4	250.2	258.0
12.5°	203.9	200.8	202.4	203.9	208.5	217.8	231.7	237.9	251.8	265.7	275.0
15°	208.5	207.0	208.5	210.1	213.2	219.3	239.4	244.1	262.6	284.2	298.1
17.5°	227.1	224.0	220.9	216.3	216.3	224.0	245.6	253.3	279.6	301.2	310.5
20°	265.7	262.6	253.3	239.4	230.2	230.2	248.7	259.5	287.3	319.7	327.5
22.5°	329.0	330.6	315.1	281.1	256.4	245.6	261.0	270.3	302.8	336.7	344.5
25°	403.2	400.1	386.2	344.5	302.8	271.9	275.0	282.7	318.2	359.9	361.5
27.5°	458.8	464.9	451.0	417.1	364.5	310.5	302.8	308.9	342.9	380.0	381.5
30°	517.5	519.0	503.6	478.8	431.0	370.7	336.7	335.2	369.2	407.8	398.5
32.5°	600.9	593.2	570.0	536.0	491.2	438.7	378.4	370.7	387.7	431.0	421.7
35°	673.5	675.0	648.8	607.1	562.3	511.3	448.0	434.1	435.6	469.6	455.7
37.5°	739.9	741.4	729.1	688.9	642.6	580.8	519.0	509.7	481.9	526.7	491.2
40°	784.7	770.8	780.1	763.1	716.7	668.8	613.2	585.4	545.3	563.8	540.6
42.5°	814.0	814.0	835.7	831.0	790.9	770.8	681.2	650.3	607.1	639.5	597.8
45°	889.7	882.0	911.4	909.8	885.1	863.5	769.2	732.2	679.7	726.0	678.1
47.5°	962.3	973.1	999.4	994.8	996.3	977.8	837.2	801.7	769.2	832.6	775.4
50°	1022.6	1031.8	1082.8	1082.8	1106.0	1106.0	926.8	899.0	889.7	979.3	875.8
52.5°	1061.2	1061.2	1115.3	1160.0	1211.0	1220.3	1024.1	1017.9	1033.4	1124.5	1011.8
55°	1096.7	1087.4	1152.3	1200.2	1302.2	1328.4	1174.0	1157.0	1209.5	1299.1	1127.6
57.5°	1090.5	1081.3	1153.9	1229.6	1357.8	1428.8	1357.8	1351.6	1374.8	1430.4	1220.3
60°	1070.5	1056.6	1127.6	1234.2	1407.2	1543.1	1555.5	1564.8	1509.1	1498.3	1347.0
62.5°	1005.6	1017.9	1085.9	1217.2	1459.7	1600.3	1699.1	1686.8	1612.6	1566.3	1496.8
65°	937.6	934.5	1022.6	1174.0	1431.9	1637.4	1793.4	1793.4	1679.1	1646.6	1655.9
67.5°	792.4	787.8	868.1	1014.9	1289.8	1603.4	1991.1	1941.7	1788.7	1760.9	1771.7
70°	534.5	523.6	579.3	722.9	997.9	1465.9	2130.1	2168.7	1869.1	1802.6	1697.6
72.5°	186.9	186.9	275.0	352.2	602.4	1113.7	1952.5	1978.7	1731.6	1584.8	1177.0
75°	58.7	58.7	91.1	134.4	230.2	497.4	1209.5	1292.9	1178.6	962.3	451.0
77.5°	26.3	24.7	35.5	46.3	71.1	105.0	474.2	534.5	488.1	296.6	101.9
80°	15.4	17.0	21.6	29.3	41.7	38.6	111.2	135.9	132.8	75.7	29.3
82.5°	9.3	10.8	15.4	20.1	26.3	18.5	34.0	38.6	46.3	35.5	15.4
85°	4.6	4.6	9.3	15.4	13.9	9.3	13.9	15.4	20.1	21.6	7.7
87.5°	0.0	0.0	4.6	7.7	4.6	3.1	3.1	4.6	6.2	10.8	3.1
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°	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8
2.5°	220.9	222.4	224.0	224.0	225.5	224.0	224.0	224.0	219.3	222.4	220.9
5°	228.6	228.6	230.2	231.7	227.1	225.5	225.5	224.0	219.3	219.3	220.9
7.5°	241.0	244.1	244.1	242.5	236.3	231.7	227.1	220.9	219.3	219.3	216.3
10°	261.0	261.0	258.0	254.9	244.1	237.9	225.5	213.2	207.0	205.4	202.4
12.5°	276.5	278.0	276.5	267.2	254.9	233.2	210.1	197.7	190.0	182.3	180.7
15°	293.5	296.6	293.5	282.7	253.3	217.8	191.5	163.7	140.6	128.2	125.1
17.5°	312.0	313.6	308.9	281.1	237.9	197.7	146.7	100.4	78.8	68.0	68.0
20°	327.5	322.8	318.2	273.4	222.4	148.3	88.0	58.7	54.1	52.5	52.5
22.5°	338.3	336.7	318.2	262.6	185.4	91.1	55.6	52.5	52.5	51.0	51.0
25°	353.7	349.1	316.7	241.0	131.3	57.2	51.0	51.0	49.4	47.9	47.9
27.5°	373.8	363.0	313.6	220.9	77.2	47.9	47.9	47.9	43.3	41.7	41.7
30°	389.3	372.3	304.3	173.0	47.9	43.3	43.3	41.7	37.1	34.0	32.4
32.5°	401.6	381.5	299.7	117.4	41.7	40.2	37.1	34.0	29.3	26.3	26.3
35°	432.5	406.2	298.1	69.5	40.2	35.5	30.9	26.3	23.2	21.6	20.1
37.5°	461.9	435.6	287.3	44.8	37.1	32.4	26.3	21.6	18.5	17.0	17.0
40°	505.1	466.5	264.1	38.6	34.0	27.8	21.6	17.0	15.4	13.9	13.9
42.5°	562.3	503.6	219.3	34.0	29.3	24.7	17.0	13.9	12.4	10.8	10.8
45°	628.7	549.9	149.8	32.4	27.8	20.1	15.4	12.4	10.8	9.3	9.3
47.5°	709.0	593.2	92.7	29.3	23.2	17.0	12.4	9.3	7.7	6.2	6.2
50°	807.9	644.1	57.2	26.3	20.1	13.9	10.8	7.7	6.2	4.6	4.6
52.5°	906.7	701.3	41.7	23.2	18.5	12.4	9.3	6.2	4.6	4.6	4.6
55°	997.9	743.0	34.0	21.6	15.4	10.8	7.7	6.2	4.6	3.1	3.1
57.5°	1099.8	770.8	29.3	18.5	13.9	9.3	7.7	4.6	4.6	3.1	3.1
60°	1215.7	789.3	24.7	17.0	10.8	7.7	6.2	4.6	3.1	3.1	1.5
62.5°	1333.1	800.1	20.1	13.9	9.3	6.2	4.6	4.6	3.1	1.5	1.5
65°	1422.6	801.7	15.4	10.8	7.7	6.2	4.6	3.1	1.5	1.5	0.0
67.5°	1430.4	735.3	13.9	9.3	6.2	4.6	3.1	3.1	1.5	0.0	0.0
70°	1262.0	573.1	10.8	7.7	4.6	3.1	3.1	1.5	0.0	0.0	0.0
72.5°	770.8	293.5	9.3	6.2	4.6	3.1	1.5	1.5	0.0	0.0	0.0
75°	258.0	71.1	7.7	4.6	3.1	3.1	1.5	1.5	0.0	0.0	0.0
77.5°	55.6	21.6	6.2	4.6	3.1	1.5	1.5	0.0	0.0	0.0	0.0
80°	20.1	10.8	4.6	3.1	3.1	1.5	1.5	0.0	0.0	0.0	0.0
82.5°	9.3	6.2	4.6	3.1	1.5	1.5	0.0	0.0	0.0	0.0	0.0
85°	4.6	3.1	3.1	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	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)