

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: P565405

Luminaire Tested: **IFLD-S-SA2A-AMB-U-SL2-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565405
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-SL2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL2 distribution lens and House Side Shield
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

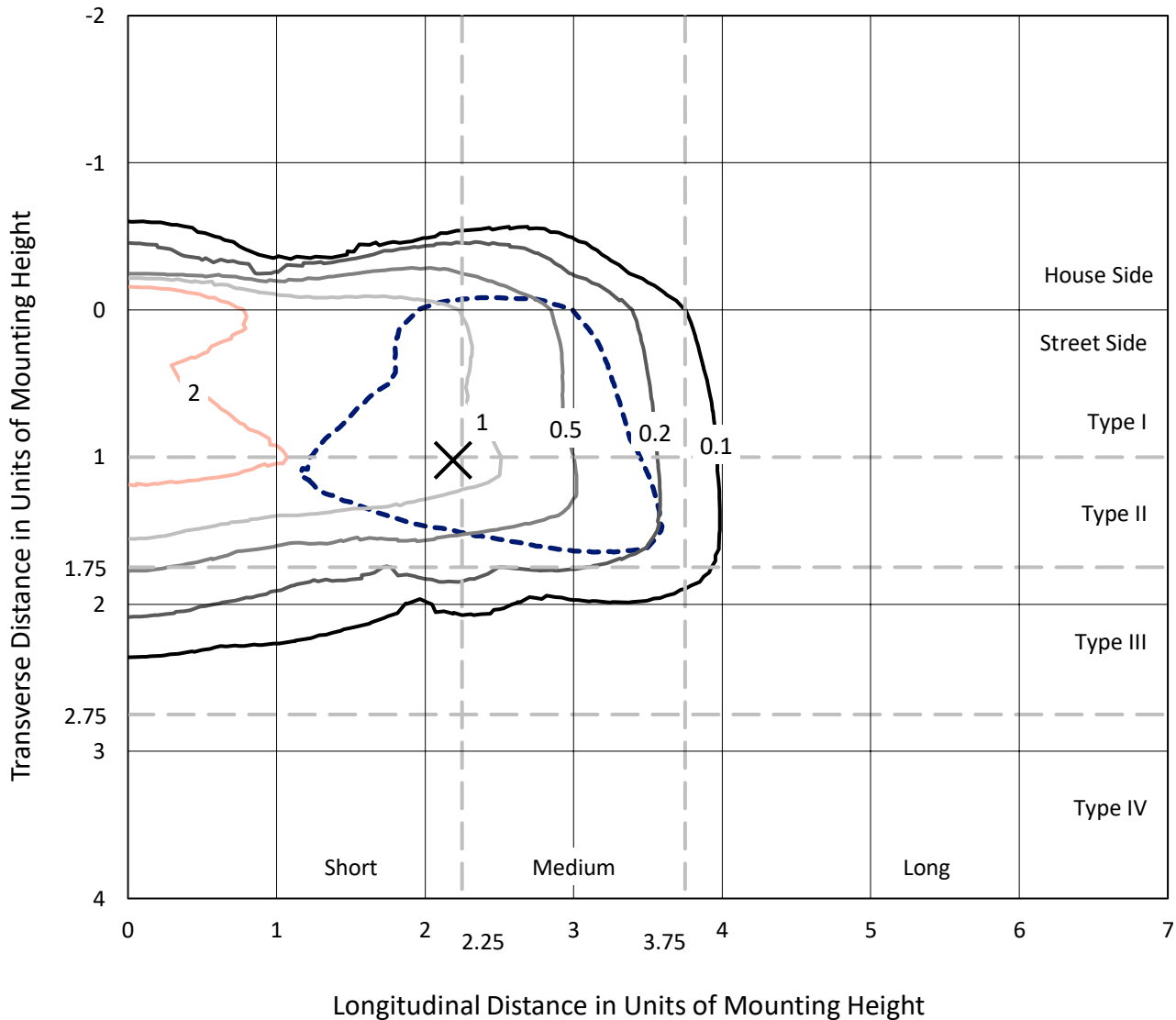
Lumens per Lamp: N/A
Luminaire Lumens: 1805.7 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

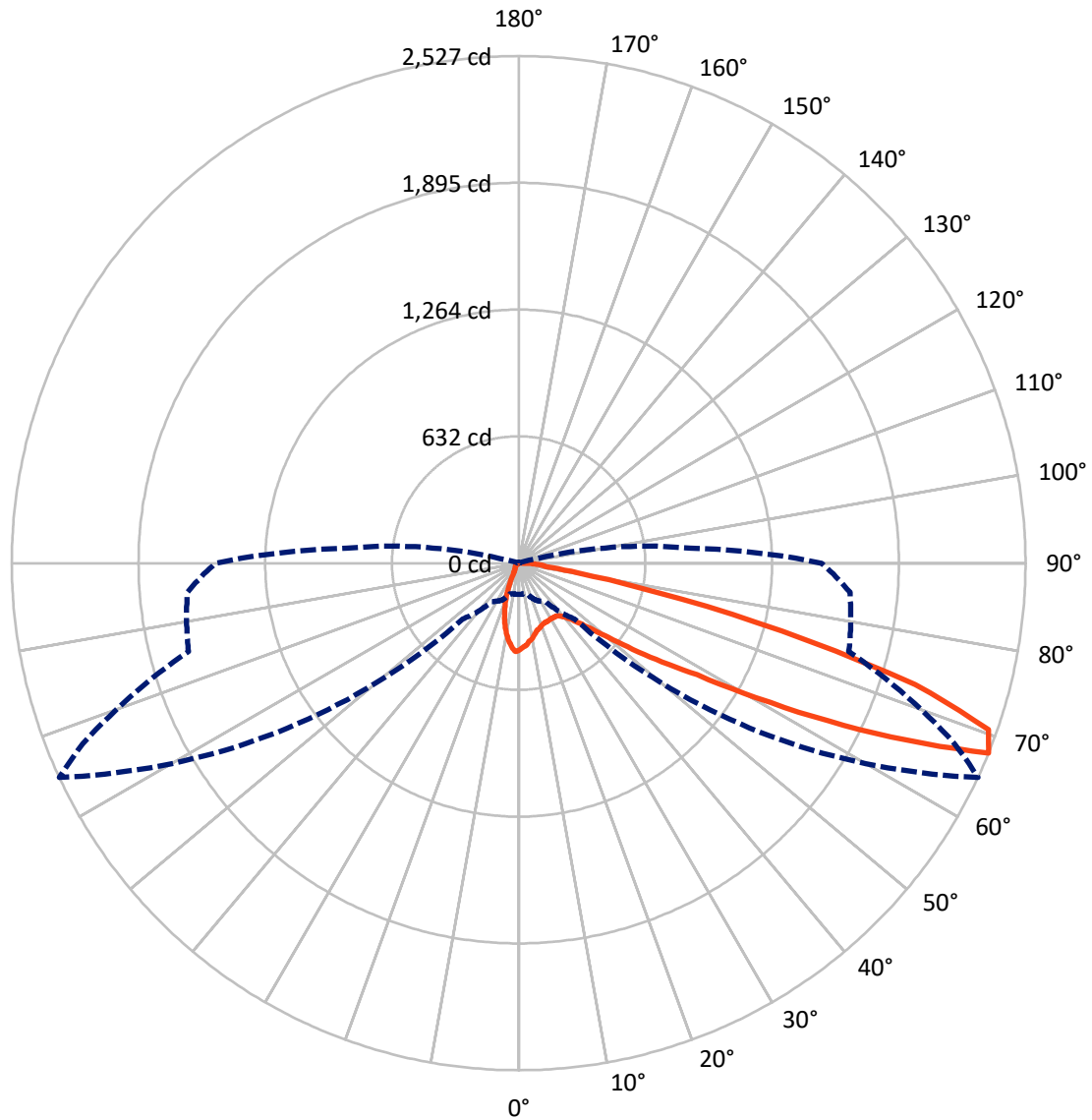
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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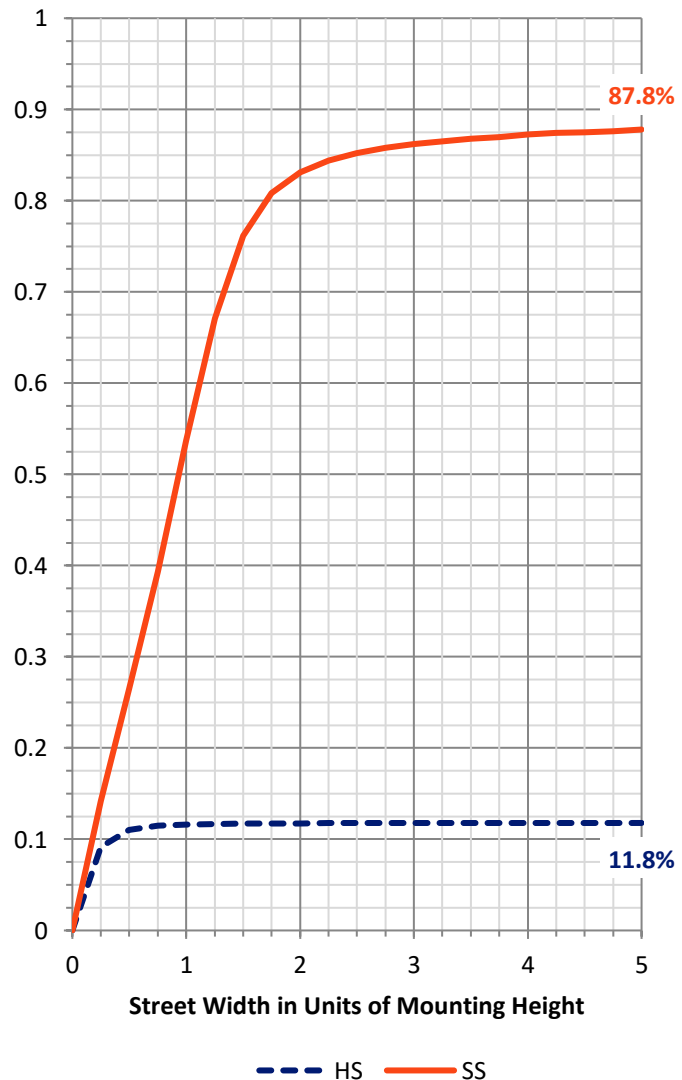
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	214.6	0.0	214.6
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	1591.1	0.0	1591.1
	% Fixture	88.1	0.0	88.1
Total	Lumens	1805.7	0.0	1805.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	1.9
10°-20°	71.3	3.9
20°-30°	97.7	5.4
30°-40°	142.4	7.9
40°-50°	237.7	13.2
50°-60°	413.3	22.9
60°-70°	518.6	28.7
70°-80°	265.0	14.7
80°-90°	25.1	1.4
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°	1805.7	100.0
0°-180°	1805.7	100.0

Coefficient of Utilization

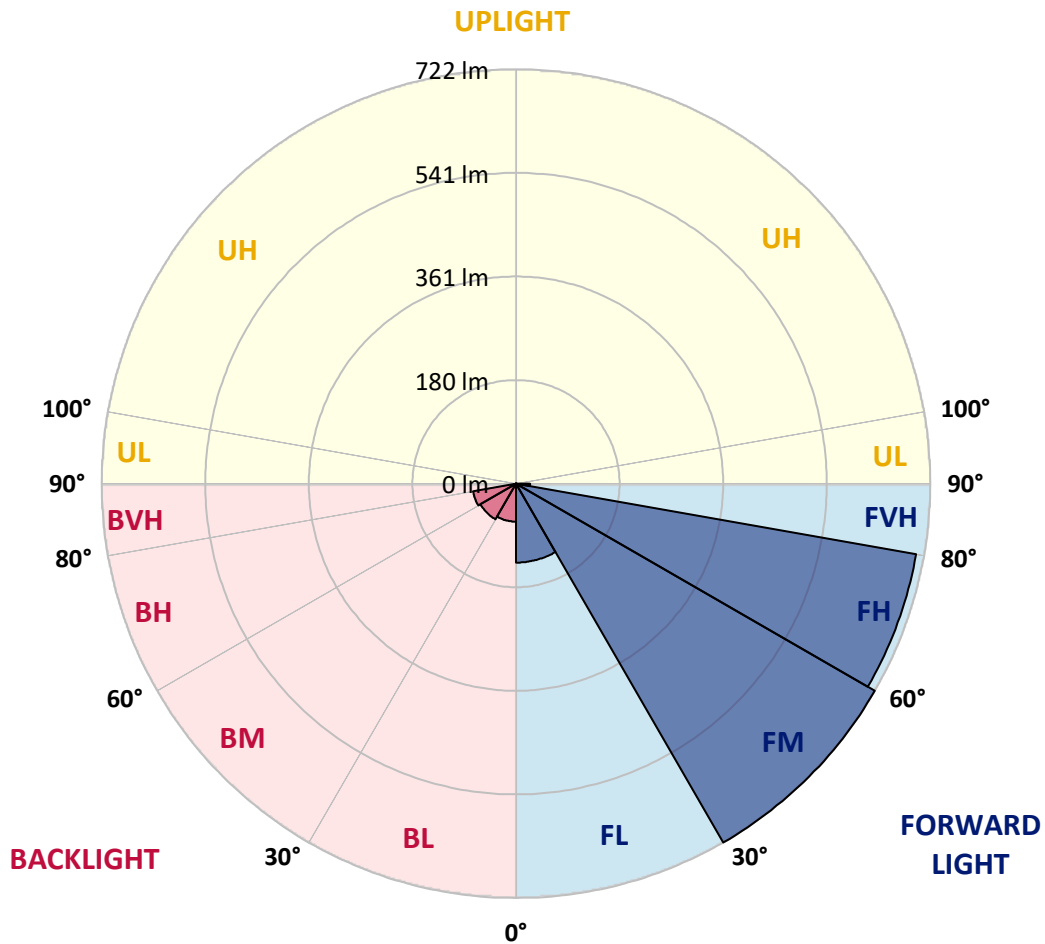


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.5	7.6			
FM (30°-60°)	721.7	40.0			
FH (60°-80°)	707.7	39.2			G1/1800
FVH (80°-90°)	24.3	1.3			G1/100
BL (0°-30°)	66.2	3.7	B0/110		
BM (30°-60°)	71.7	4.0	B0/220		
BH (60°-80°)	75.9	4.2	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	393.1	394.1	401.5	398.3	405.7	417.3	421.5	419.4	427.8	431.0	433.1
5°	361.4	363.6	362.5	366.7	378.3	387.8	396.2	411.0	411.0	422.6	429.9
7.5°	322.5	324.6	331.9	335.1	345.6	359.3	373.0	391.0	394.1	419.4	434.2
10°	301.4	302.4	301.4	307.7	318.2	335.1	354.1	380.4	379.4	402.5	433.1
12.5°	277.1	280.3	284.5	290.8	302.4	317.2	333.0	360.4	369.9	401.5	438.4
15°	266.6	268.7	270.8	279.3	282.4	300.3	319.3	346.7	359.3	395.2	439.4
17.5°	264.5	263.4	263.4	265.6	272.9	288.7	309.8	340.4	349.9	386.7	442.6
20°	261.3	260.3	260.3	260.3	268.7	282.4	301.4	329.8	342.5	383.6	448.9
22.5°	269.8	268.7	266.6	264.5	263.4	275.0	297.2	324.6	335.1	377.3	448.9
25°	291.9	289.8	284.5	282.4	269.8	272.9	290.8	323.5	328.8	375.1	450.0
27.5°	313.0	311.9	305.6	300.3	285.6	277.1	294.0	322.5	329.8	365.7	443.6
30°	336.2	340.4	334.0	327.7	303.5	286.6	295.1	320.3	324.6	360.4	445.7
32.5°	382.5	377.3	375.1	369.9	339.3	302.4	302.4	321.4	326.7	362.5	448.9
35°	418.4	423.6	423.6	420.5	376.2	334.0	319.3	323.5	326.7	360.4	446.8
37.5°	454.2	461.6	468.9	468.9	432.0	376.2	339.3	334.0	338.3	361.4	452.1
40°	500.5	498.4	516.4	529.0	498.4	422.6	368.8	352.0	355.1	369.9	459.4
42.5°	562.7	554.3	569.0	593.3	568.0	485.8	418.4	381.5	381.5	397.3	471.0
45°	633.3	619.6	632.3	657.6	635.4	554.3	471.0	426.8	420.5	437.3	501.6
47.5°	698.7	711.3	711.3	737.6	736.6	641.8	543.7	491.1	485.8	482.6	558.5
50°	749.2	760.8	771.4	819.8	853.6	762.9	632.3	580.6	572.2	566.9	630.2
52.5°	804.0	789.3	790.3	845.1	941.0	929.4	753.5	712.4	690.2	669.1	721.8
55°	760.8	758.7	760.8	819.8	977.9	1099.1	929.4	868.3	834.6	807.2	865.2
57.5°	611.2	614.4	604.9	689.2	913.6	1225.5	1238.2	1049.6	1015.8	958.9	1035.9
60°	448.9	454.2	444.7	498.4	739.8	1232.9	1510.1	1359.4	1302.5	1130.7	1180.2
62.5°	318.2	314.0	301.4	342.5	493.2	1071.7	1705.0	1731.4	1569.1	1293.0	1354.1
65°	223.4	218.1	220.2	249.7	305.6	730.3	1692.4	2128.6	1955.8	1487.9	1555.4
67.5°	156.0	154.9	157.0	204.4	233.9	393.1	1467.9	2527.0	2352.0	1704.0	1657.6
70°	110.6	108.5	110.6	167.6	218.1	248.7	1048.5	2483.8	2493.2	1738.7	1631.2
72.5°	65.3	65.3	78.0	123.3	207.6	226.6	520.6	2067.5	2141.3	1552.2	1287.7
75°	33.7	32.7	42.2	83.2	187.6	213.9	245.5	1355.2	1418.4	1065.4	737.6
77.5°	19.0	17.9	20.0	43.2	143.3	203.4	196.0	700.8	690.2	461.6	272.9
80°	9.5	9.5	12.6	23.2	83.2	196.0	178.1	297.2	261.3	106.4	52.7
82.5°	3.2	3.2	6.3	14.8	33.7	174.9	165.4	133.8	108.5	27.4	26.3
85°	1.1	1.1	2.1	9.5	14.8	81.1	140.2	108.5	80.1	12.6	15.8
87.5°	0.0	0.0	0.0	3.2	5.3	16.9	55.9	60.1	48.5	4.2	9.5
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°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	434.2	436.3	441.5	441.5	433.1	423.6	421.5	407.8	412.0	409.9	401.5
5°	442.6	437.3	437.3	421.5	401.5	384.6	366.7	349.9	342.5	338.3	336.2
7.5°	434.2	439.4	423.6	392.0	360.4	325.6	295.1	267.7	252.9	245.5	242.4
10°	447.9	439.4	403.6	361.4	308.8	256.1	212.9	173.9	152.8	140.2	137.0
12.5°	441.5	440.5	388.8	322.5	251.9	181.2	123.3	87.5	68.5	62.2	62.2
15°	457.3	437.3	370.9	283.5	191.8	106.4	62.2	48.5	44.3	43.2	43.2
17.5°	452.1	431.0	345.6	237.1	127.5	60.1	43.2	41.1	40.0	39.0	39.0
20°	459.4	421.5	316.1	187.6	73.8	41.1	37.9	36.9	35.8	34.8	34.8
22.5°	450.0	415.2	285.6	135.9	46.4	35.8	33.7	32.7	30.6	30.6	30.6
25°	445.7	404.7	255.0	90.6	36.9	32.7	29.5	28.5	26.3	24.2	25.3
27.5°	440.5	389.9	225.5	58.0	32.7	28.5	25.3	23.2	21.1	20.0	20.0
30°	431.0	373.0	190.7	40.0	29.5	26.3	22.1	20.0	16.9	15.8	15.8
32.5°	417.3	364.6	156.0	33.7	27.4	23.2	20.0	16.9	14.8	13.7	13.7
35°	408.9	346.7	121.2	30.6	25.3	20.0	16.9	13.7	12.6	11.6	11.6
37.5°	407.8	330.9	89.6	28.5	23.2	17.9	13.7	11.6	10.5	9.5	9.5
40°	399.4	319.3	63.2	26.3	21.1	15.8	12.6	10.5	9.5	8.4	8.4
42.5°	412.0	310.9	45.3	24.2	19.0	13.7	10.5	8.4	7.4	6.3	6.3
45°	424.7	314.0	35.8	22.1	15.8	11.6	9.5	7.4	6.3	5.3	5.3
47.5°	465.8	324.6	31.6	20.0	13.7	10.5	8.4	6.3	5.3	4.2	4.2
50°	514.2	341.4	29.5	17.9	12.6	9.5	6.3	5.3	4.2	3.2	3.2
52.5°	590.1	384.6	28.5	15.8	10.5	8.4	5.3	4.2	3.2	2.1	2.1
55°	721.8	441.5	25.3	14.8	9.5	6.3	4.2	3.2	2.1	2.1	2.1
57.5°	857.8	536.4	23.2	12.6	7.4	5.3	4.2	3.2	2.1	1.1	1.1
60°	1029.5	647.0	20.0	10.5	6.3	4.2	3.2	2.1	2.1	1.1	1.1
62.5°	1212.9	772.4	16.9	8.4	5.3	3.2	2.1	2.1	1.1	1.1	0.0
65°	1431.0	873.6	13.7	6.3	4.2	3.2	2.1	1.1	1.1	0.0	0.0
67.5°	1511.1	859.9	10.5	5.3	3.2	2.1	2.1	1.1	1.1	0.0	0.0
70°	1459.5	753.5	9.5	4.2	3.2	2.1	1.1	1.1	0.0	0.0	0.0
72.5°	1104.4	480.5	7.4	3.2	2.1	1.1	1.1	1.1	0.0	0.0	0.0
75°	600.7	173.9	6.3	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0
77.5°	186.5	41.1	5.3	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0
80°	36.9	13.7	4.2	2.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	22.1	7.4	3.2	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	14.8	3.2	2.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	8.4	1.1	1.1	1.1	1.1	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)