

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: P565358

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T2-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565358
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-T2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2 distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

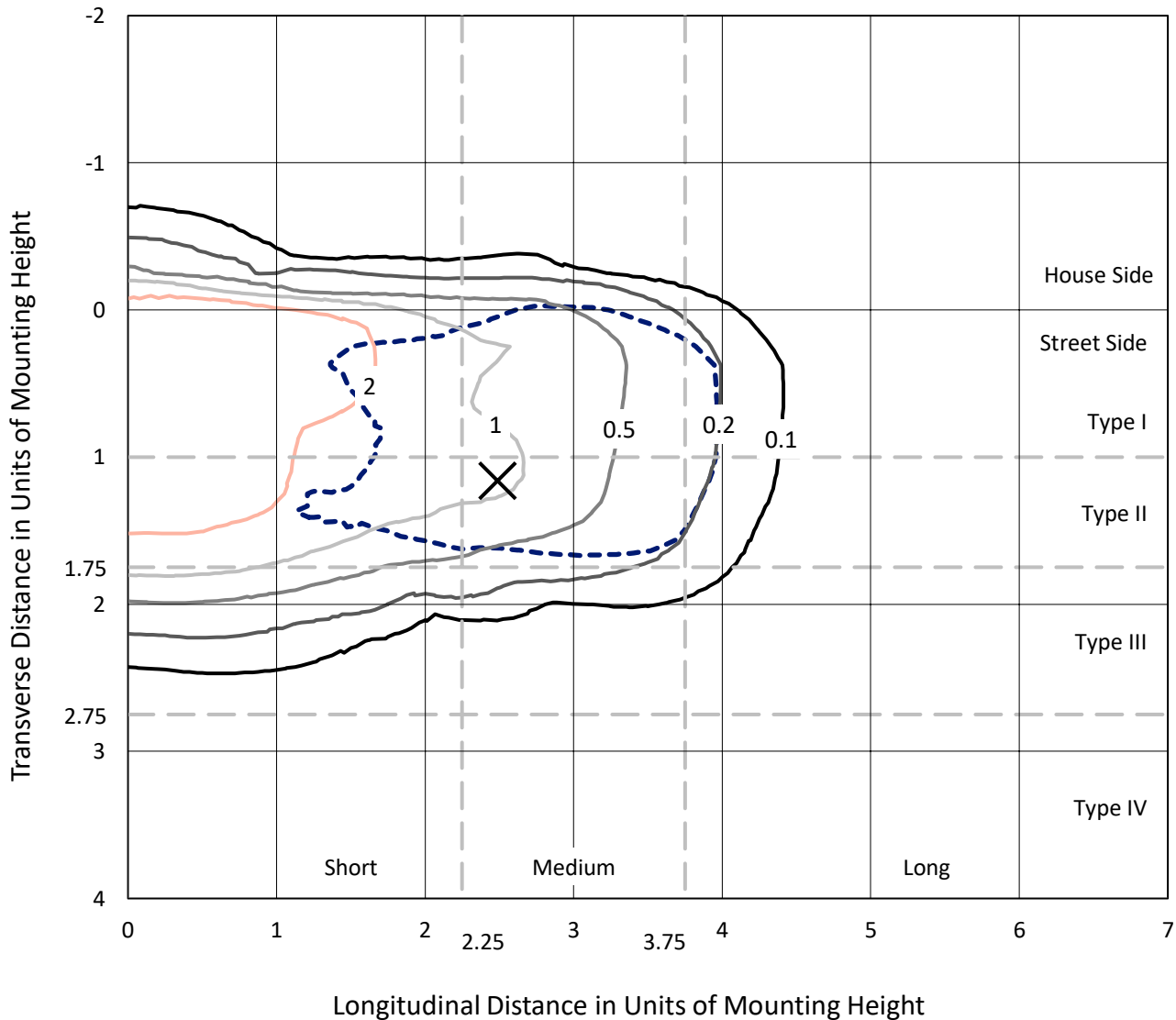
Lumens per Lamp: N/A
Luminaire Lumens: 2355.3 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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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Iso-Footcandle Lines of Horizontal Illumination

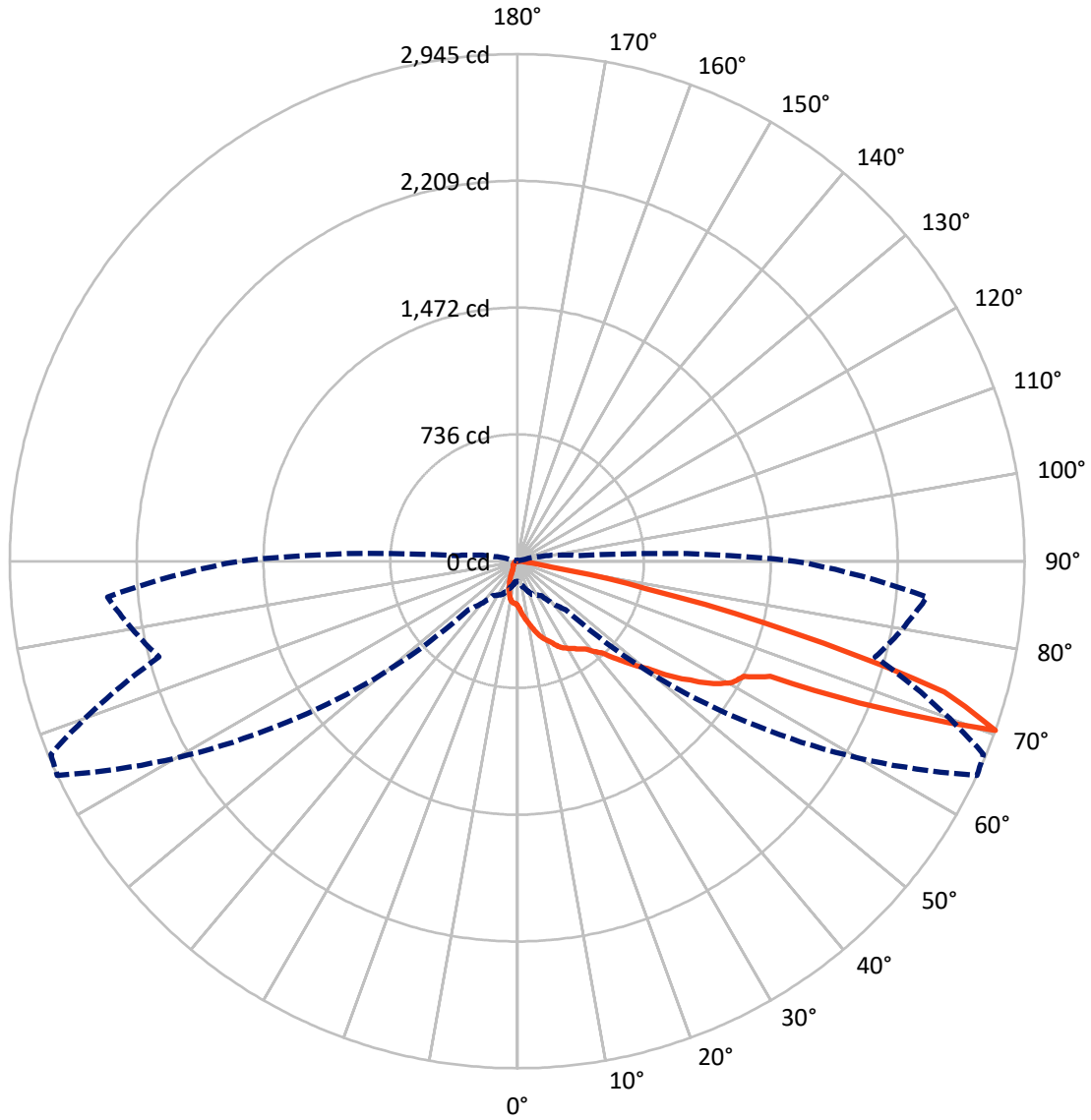
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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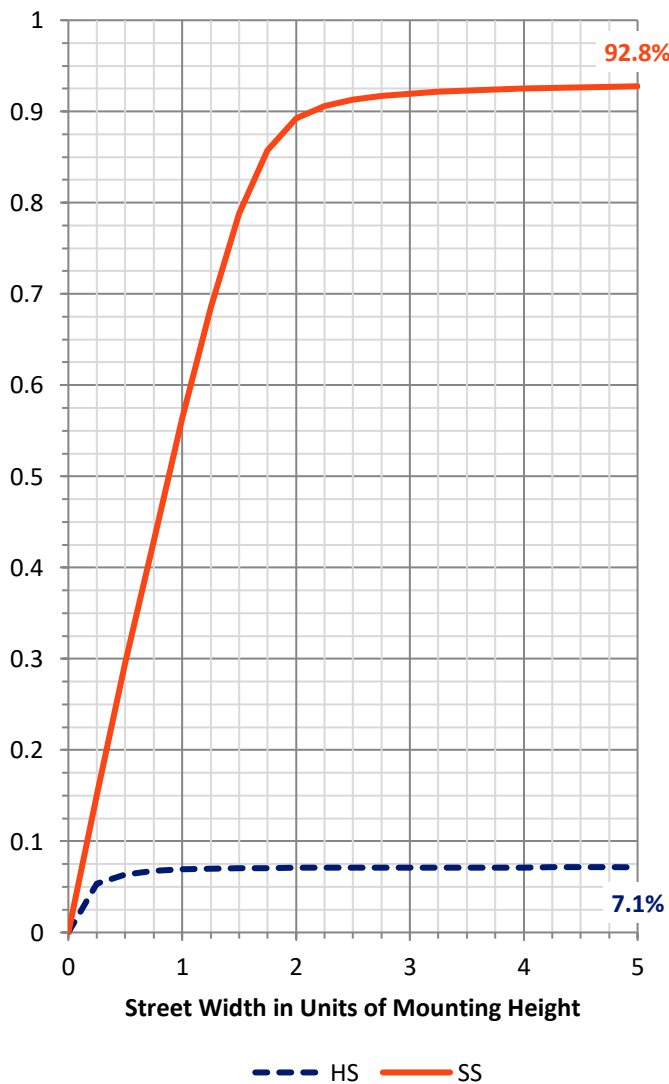
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	169.0	0.0	169.0
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2186.2	0.0	2186.2
	% Fixture	92.8	0.0	92.8
Total	Lumens	2355.3	0.0	2355.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	1.1
10°-20°	72.9	3.1
20°-30°	120.6	5.1
30°-40°	210.0	8.9
40°-50°	366.3	15.6
50°-60°	572.9	24.3
60°-70°	610.3	25.9
70°-80°	361.1	15.3
80°-90°	15.7	0.7
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°	2355.3	100.0
0°-180°	2355.3	100.0

Coefficient of Utilization

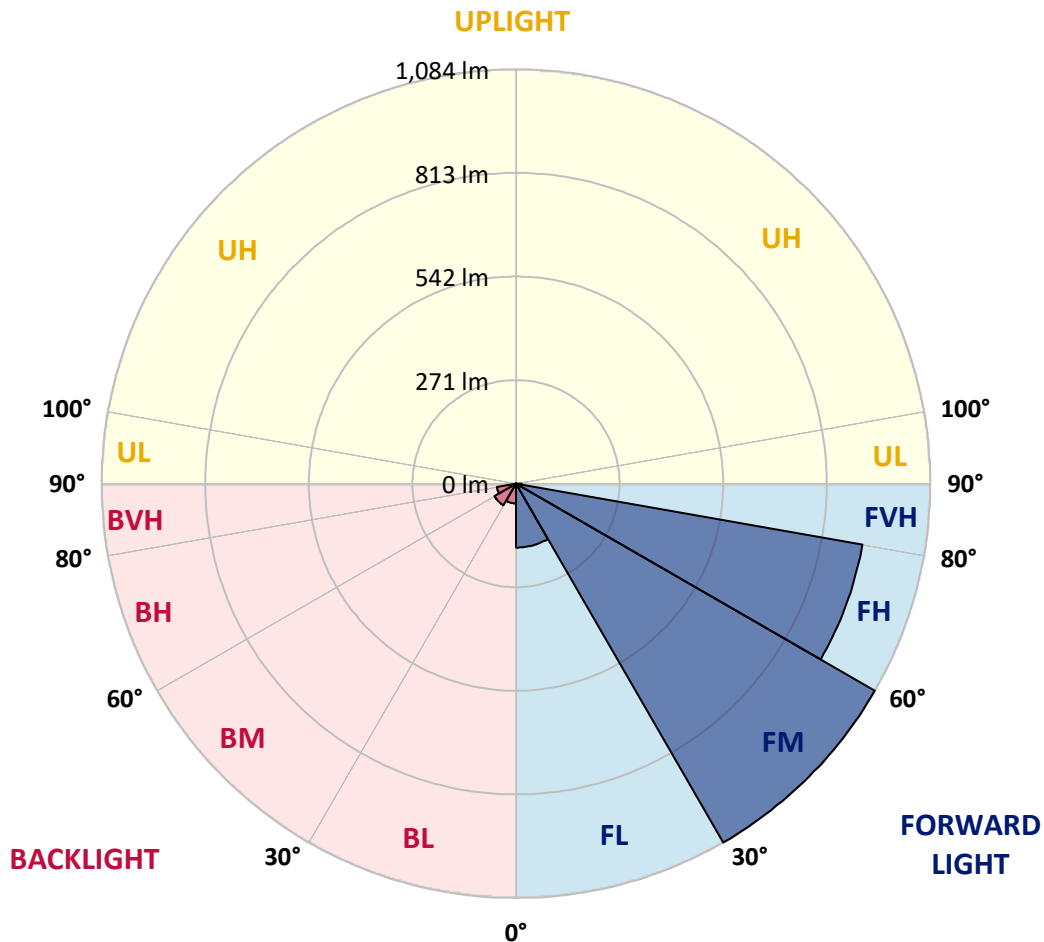


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.3	7.1			
FM (30°-60°)	1084.1	46.0			
FH (60°-80°)	920.3	39.1			G1/1800
FVH (80°-90°)	14.6	0.6			G1/100
BL (0°-30°)	51.7	2.2	B0/110		
BM (30°-60°)	65.1	2.8	B0/220		
BH (60°-80°)	51.2	2.2	B0/110		G0/110
BVH (80°-90°)	1.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6
2.5°	293.3	296.4	294.8	293.3	290.1	290.1	285.5	277.7	276.2	274.6	266.9
5°	321.2	316.5	319.6	319.6	322.7	321.2	313.4	307.2	302.6	296.4	282.4
7.5°	319.6	319.6	322.7	327.4	332.0	338.2	341.4	338.2	332.0	322.7	304.1
10°	321.2	322.7	322.7	333.6	346.0	352.2	366.2	366.2	363.1	355.3	336.7
12.5°	315.0	319.6	328.9	341.4	356.9	367.7	386.3	397.2	398.8	387.9	366.2
15°	297.9	304.1	315.0	335.1	361.5	384.8	409.6	436.0	439.1	434.4	397.2
17.5°	279.3	280.8	291.7	315.0	350.7	391.0	436.0	465.5	471.7	474.8	436.0
20°	271.5	274.6	280.8	299.5	330.5	386.3	451.5	488.8	499.6	502.7	463.9
22.5°	279.3	283.9	282.4	294.8	322.7	373.9	457.7	513.6	524.4	543.1	495.0
25°	322.7	325.8	321.2	313.4	318.1	364.6	456.2	547.7	553.9	585.0	521.3
27.5°	395.7	403.4	387.9	367.7	347.6	370.8	462.4	569.4	583.4	628.4	549.3
30°	465.5	467.0	462.4	439.1	394.1	391.0	471.7	588.1	616.0	670.3	591.2
32.5°	516.7	518.2	519.8	507.4	470.1	437.5	479.4	605.1	642.4	704.4	622.2
35°	600.5	602.0	583.4	572.5	544.6	490.3	496.5	626.8	664.1	752.5	662.5
37.5°	701.3	724.6	692.0	648.6	609.8	553.9	535.3	647.0	684.3	813.0	713.7
40°	788.2	811.5	783.6	749.4	692.0	626.8	583.4	688.9	721.5	882.9	775.8
42.5°	872.0	887.5	882.9	837.9	789.8	727.7	651.7	729.2	768.0	966.6	845.6
45°	937.2	946.5	951.1	923.2	864.2	836.3	751.0	811.5	844.1	1067.5	926.3
47.5°	996.1	1013.2	1003.9	996.1	946.5	948.0	844.1	893.7	937.2	1163.7	1038.0
50°	1056.6	1064.4	1058.2	1056.6	1020.9	1052.0	941.8	980.6	1044.2	1272.3	1129.6
52.5°	1152.8	1142.0	1146.6	1138.9	1104.7	1124.9	993.0	1107.8	1152.8	1382.5	1266.1
55°	1236.6	1221.1	1270.8	1278.5	1225.8	1157.5	1045.8	1219.6	1270.8	1489.5	1370.1
57.5°	1194.7	1205.6	1309.5	1373.2	1438.3	1261.4	1092.3	1343.7	1391.8	1560.9	1418.2
60°	1014.7	1016.3	1162.1	1320.4	1470.9	1469.4	1188.5	1432.1	1489.5	1582.6	1447.6
62.5°	625.3	674.9	831.7	1092.3	1357.6	1540.7	1435.2	1474.0	1508.1	1574.9	1500.4
65°	301.0	313.4	423.6	605.1	988.4	1438.3	1736.2	1613.7	1557.8	1565.6	1581.1
67.5°	176.9	186.2	243.6	299.5	465.5	1024.1	1885.2	2283.9	2027.9	1733.1	1851.1
70°	116.4	121.0	159.8	214.1	242.0	397.2	1626.1	2944.9	2929.4	2152.1	2387.9
72.5°	72.9	77.6	107.1	152.1	180.0	156.7	772.7	2594.3	2758.7	2460.8	2437.6
75°	49.7	51.2	65.2	108.6	133.4	104.0	201.7	1655.5	1889.8	1959.7	1767.3
77.5°	34.1	35.7	43.4	66.7	93.1	71.4	77.6	764.9	882.9	982.2	848.7
80°	18.6	20.2	31.0	40.3	63.6	46.5	51.2	204.8	242.0	270.0	201.7
82.5°	7.8	9.3	15.5	24.8	43.4	29.5	26.4	59.0	66.7	76.0	41.9
85°	1.6	1.6	7.8	18.6	20.2	14.0	12.4	27.9	34.1	31.0	14.0
87.5°	0.0	0.0	3.1	3.1	6.2	4.7	3.1	6.2	9.3	12.4	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°	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6
2.5°	263.8	260.7	257.6	246.7	245.2	238.9	231.2	229.6	226.5	223.4	221.9
5°	276.2	271.5	259.1	243.6	234.3	223.4	214.1	209.5	203.3	198.6	195.5
7.5°	297.9	282.4	263.8	238.9	221.9	201.7	186.2	178.4	167.6	162.9	161.4
10°	316.5	301.0	265.3	226.5	197.1	172.2	153.6	135.0	124.1	117.9	114.8
12.5°	342.9	322.7	262.2	206.4	170.7	135.0	110.2	86.9	79.1	72.9	74.5
15°	370.8	341.4	256.0	183.1	139.6	97.8	71.4	59.0	59.0	57.4	57.4
17.5°	394.1	349.1	234.3	159.8	107.1	65.2	54.3	54.3	54.3	52.8	52.8
20°	425.1	353.8	209.5	133.4	72.9	51.2	48.1	48.1	48.1	45.0	45.0
22.5°	445.3	350.7	181.5	107.1	51.2	46.5	41.9	40.3	38.8	35.7	35.7
25°	457.7	339.8	162.9	77.6	46.5	40.3	35.7	34.1	31.0	29.5	29.5
27.5°	479.4	322.7	144.3	57.4	43.4	37.2	31.0	27.9	26.4	24.8	24.8
30°	498.1	308.8	122.6	48.1	38.8	32.6	26.4	24.8	23.3	21.7	21.7
32.5°	518.2	290.1	100.9	46.5	35.7	27.9	23.3	21.7	20.2	20.2	20.2
35°	524.4	265.3	83.8	43.4	32.6	24.8	21.7	20.2	18.6	18.6	18.6
37.5°	538.4	248.3	66.7	40.3	29.5	23.3	21.7	18.6	17.1	17.1	15.5
40°	563.2	231.2	52.8	37.2	27.9	23.3	20.2	17.1	15.5	14.0	14.0
42.5°	580.3	217.2	48.1	34.1	24.8	21.7	18.6	15.5	14.0	12.4	12.4
45°	611.3	206.4	45.0	31.0	23.3	20.2	17.1	14.0	10.9	9.3	9.3
47.5°	667.2	203.3	41.9	27.9	23.3	18.6	15.5	10.9	9.3	7.8	7.8
50°	710.6	197.1	40.3	26.4	21.7	17.1	12.4	9.3	6.2	6.2	6.2
52.5°	777.3	197.1	37.2	24.8	20.2	15.5	10.9	7.8	6.2	4.7	4.7
55°	833.2	201.7	35.7	23.3	18.6	12.4	9.3	6.2	4.7	4.7	3.1
57.5°	870.4	197.1	34.1	21.7	17.1	10.9	7.8	6.2	4.7	3.1	3.1
60°	907.7	195.5	31.0	20.2	14.0	9.3	7.8	4.7	3.1	3.1	1.6
62.5°	941.8	195.5	26.4	17.1	10.9	7.8	6.2	4.7	3.1	1.6	1.6
65°	1024.1	207.9	21.7	14.0	9.3	6.2	4.7	3.1	1.6	1.6	1.6
67.5°	1225.8	265.3	18.6	10.9	7.8	6.2	4.7	3.1	1.6	0.0	0.0
70°	1613.7	356.9	15.5	9.3	6.2	4.7	3.1	1.6	0.0	0.0	0.0
72.5°	1528.3	273.1	12.4	7.8	6.2	4.7	3.1	1.6	0.0	0.0	0.0
75°	1052.0	107.1	9.3	6.2	4.7	3.1	1.6	1.6	0.0	0.0	0.0
77.5°	470.1	32.6	7.8	4.7	3.1	1.6	1.6	1.6	0.0	0.0	0.0
80°	88.4	14.0	4.7	4.7	3.1	1.6	1.6	0.0	0.0	0.0	0.0
82.5°	20.2	9.3	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
85°	9.3	4.7	3.1	3.1	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)