

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: P565413

Luminaire Tested: **IFLD-S-SA2A-AMB-U-SL3-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565413
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-SL3-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL3 distribution lens and House Side Shield
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

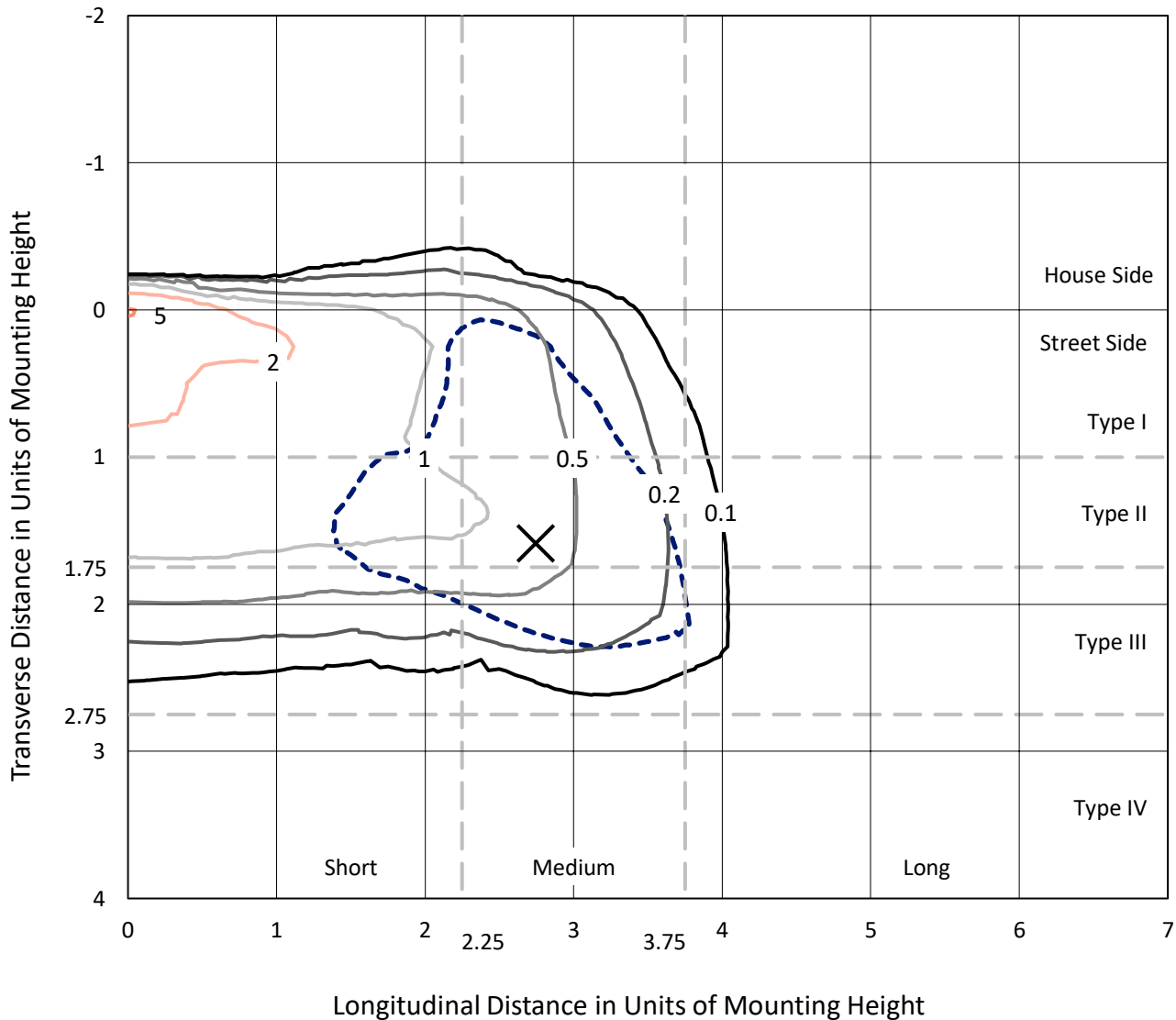
Lumens per Lamp: N/A
Luminaire Lumens: 1835.6 lumens
Efficiency: N/A
Efficacy: 44.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

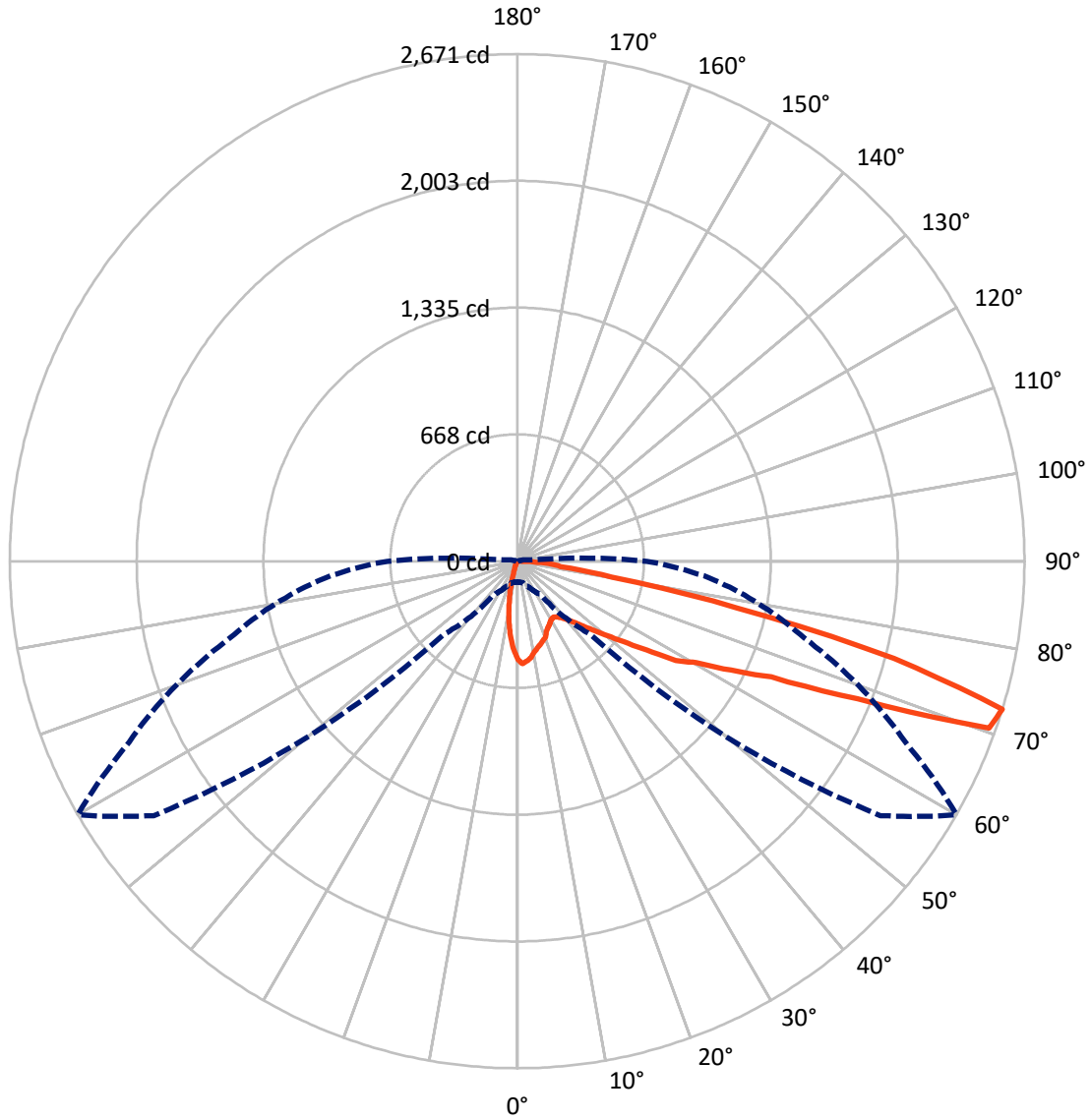
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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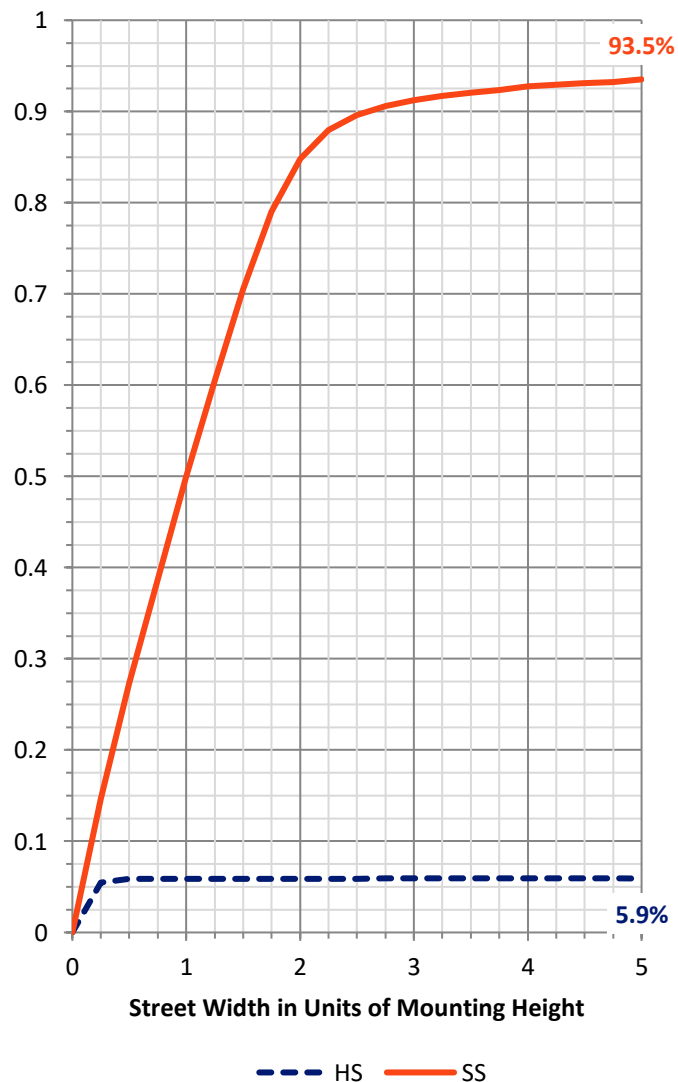
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	109.2	0.0	109.2
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	1726.4	0.0	1726.4
	% Fixture	94.1	0.0	94.1
Total	Lumens	1835.6	0.0	1835.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	2.1
10°-20°	74.6	4.1
20°-30°	96.6	5.3
30°-40°	132.3	7.2
40°-50°	211.5	11.5
50°-60°	367.6	20.0
60°-70°	545.3	29.7
70°-80°	337.1	18.4
80°-90°	31.5	1.7
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°	1835.6	100.0
0°-180°	1835.6	100.0

Coefficient of Utilization

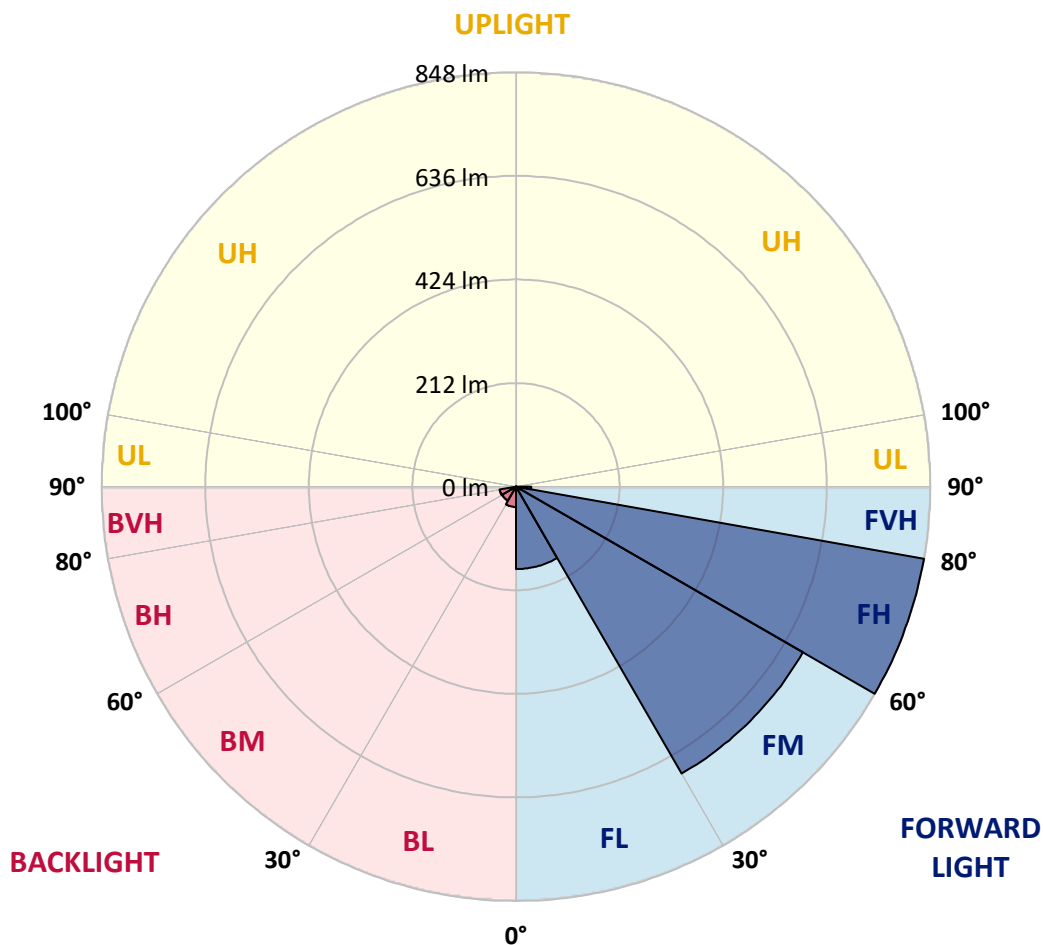


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.8	9.2			
FM (30°-60°)	678.2	36.9			
FH (60°-80°)	848.3	46.2			G1/1800
FVH (80°-90°)	31.1	1.7			G1/100
BL (0°-30°)	41.6	2.3	B0/110		
BM (30°-60°)	33.2	1.8	B0/220		
BH (60°-80°)	34.0	1.9	B0/110		G0/110
BVH (80°-90°)	0.4	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°	60°	65°	75°	85°
0°	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1
2.5°	552.3	545.2	551.1	551.1	545.2	538.2	546.4	541.7	537.0	526.4	514.6
5°	508.7	515.7	521.6	521.6	522.8	528.7	535.8	529.9	540.5	528.7	511.0
7.5°	472.1	476.8	483.9	488.6	494.5	498.0	512.2	513.4	513.4	516.9	511.0
10°	420.1	428.4	429.6	439.0	463.8	472.1	485.1	488.6	493.3	506.3	493.3
12.5°	389.5	396.5	397.7	409.5	422.5	446.1	456.7	469.7	479.2	496.9	485.1
15°	363.5	363.5	369.4	377.7	390.6	415.4	448.5	455.5	465.0	486.2	480.3
17.5°	338.7	338.7	343.4	349.3	368.2	390.6	422.5	439.0	449.6	485.1	469.7
20°	331.6	326.9	328.1	330.5	347.0	374.1	402.4	427.2	437.8	476.8	456.7
22.5°	330.5	322.2	319.8	322.2	328.1	341.1	376.5	396.5	424.9	478.0	452.0
25°	325.7	323.4	323.4	317.5	319.8	332.8	355.2	382.4	417.8	481.5	443.7
27.5°	331.6	334.0	331.6	324.5	323.4	321.0	339.9	368.2	400.1	486.2	434.3
30°	342.3	342.3	344.6	334.0	325.7	316.3	331.6	355.2	389.5	496.9	426.0
32.5°	355.2	358.8	358.8	349.3	337.5	318.6	332.8	351.7	383.6	501.6	423.7
35°	380.0	381.2	378.8	375.3	356.4	337.5	341.1	360.0	389.5	519.3	427.2
37.5°	404.8	401.3	406.0	404.8	388.3	364.7	363.5	377.7	400.1	532.3	443.7
40°	431.9	430.8	433.1	436.7	421.3	402.4	390.6	403.6	427.2	555.9	456.7
42.5°	461.5	460.3	461.5	478.0	468.5	443.7	428.4	439.0	462.6	594.8	489.8
45°	479.2	483.9	495.7	514.6	519.3	486.2	479.2	486.2	498.0	639.7	544.1
47.5°	494.5	505.1	521.6	546.4	573.6	552.3	537.0	546.4	558.2	690.4	601.9
50°	538.2	544.1	573.6	599.5	632.6	630.2	622.0	619.6	630.2	749.4	663.3
52.5°	611.3	612.5	631.4	662.1	692.8	721.1	721.1	702.2	709.3	823.8	742.3
55°	676.2	686.9	711.6	721.1	763.6	814.3	845.0	827.3	809.6	892.2	840.3
57.5°	740.0	757.7	780.1	812.0	836.7	879.2	989.0	985.4	922.9	980.7	907.6
60°	757.7	761.2	837.9	914.6	973.6	1012.6	1112.9	1084.6	1015.0	1010.2	958.3
62.5°	637.3	652.6	755.3	892.2	1097.6	1269.9	1289.9	1261.6	1101.1	1079.9	1048.0
65°	354.1	378.8	485.1	716.4	1026.8	1495.3	1564.9	1469.3	1248.6	1235.6	1301.7
67.5°	225.4	221.9	244.3	357.6	699.8	1514.2	2101.9	1934.3	1610.9	1551.9	1564.9
70°	153.4	149.9	151.1	199.5	336.4	1130.6	2483.1	2634.2	2124.3	1720.7	1433.9
72.5°	112.1	109.8	118.0	153.4	213.6	544.1	2335.6	2670.7	2255.3	1564.9	1017.3
75°	74.4	75.5	90.9	131.0	205.4	245.5	1629.8	2048.8	1767.9	1033.8	420.1
77.5°	41.3	43.7	62.5	107.4	186.5	201.8	817.9	1183.7	893.4	336.4	85.0
80°	18.9	18.9	31.9	76.7	160.5	181.7	331.6	506.3	289.1	62.5	24.8
82.5°	8.3	8.3	14.2	41.3	114.5	165.2	219.5	229.0	103.9	23.6	15.3
85°	1.2	1.2	4.7	21.2	59.0	112.1	187.6	166.4	68.5	10.6	9.4
87.5°	0.0	0.0	1.2	4.7	17.7	36.6	89.7	66.1	26.0	4.7	3.5
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°	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1
2.5°	514.6	508.7	494.5	478.0	463.8	452.0	437.8	427.2	417.8	414.2	404.8
5°	496.9	489.8	459.1	420.1	396.5	364.7	336.4	312.7	298.6	291.5	279.7
7.5°	481.5	465.0	419.0	364.7	315.1	264.4	223.1	186.5	159.3	149.9	154.6
10°	468.5	441.4	374.1	298.6	229.0	162.9	101.5	55.5	29.5	23.6	26.0
12.5°	455.5	419.0	330.5	236.0	144.0	61.4	18.9	0.0	0.0	0.0	0.0
15°	440.2	395.4	284.4	174.7	66.1	11.8	0.0	0.0	0.0	0.0	0.0
17.5°	430.8	377.7	240.8	114.5	18.9	0.0	0.0	0.0	0.0	0.0	0.0
20°	414.2	345.8	199.5	54.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	394.2	324.5	158.1	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	378.8	302.1	109.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	374.1	278.5	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	357.6	257.3	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	348.2	234.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	337.5	217.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	338.7	198.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	349.3	180.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	374.1	164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	402.4	153.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	450.8	149.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	495.7	153.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	566.5	165.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	639.7	187.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	699.8	200.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	741.2	213.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	865.1	276.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1108.2	348.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1233.3	341.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1057.4	218.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	683.3	73.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	216.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	41.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	16.5	4.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.4	3.5	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
85°	7.1	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	3.5	1.2	1.2	1.2	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)