

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: P565421

Luminaire Tested: **IFLD-S-SA2A-AMB-U-SL4-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565421
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-SL4-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL4 distribution lens and House Side Shield
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

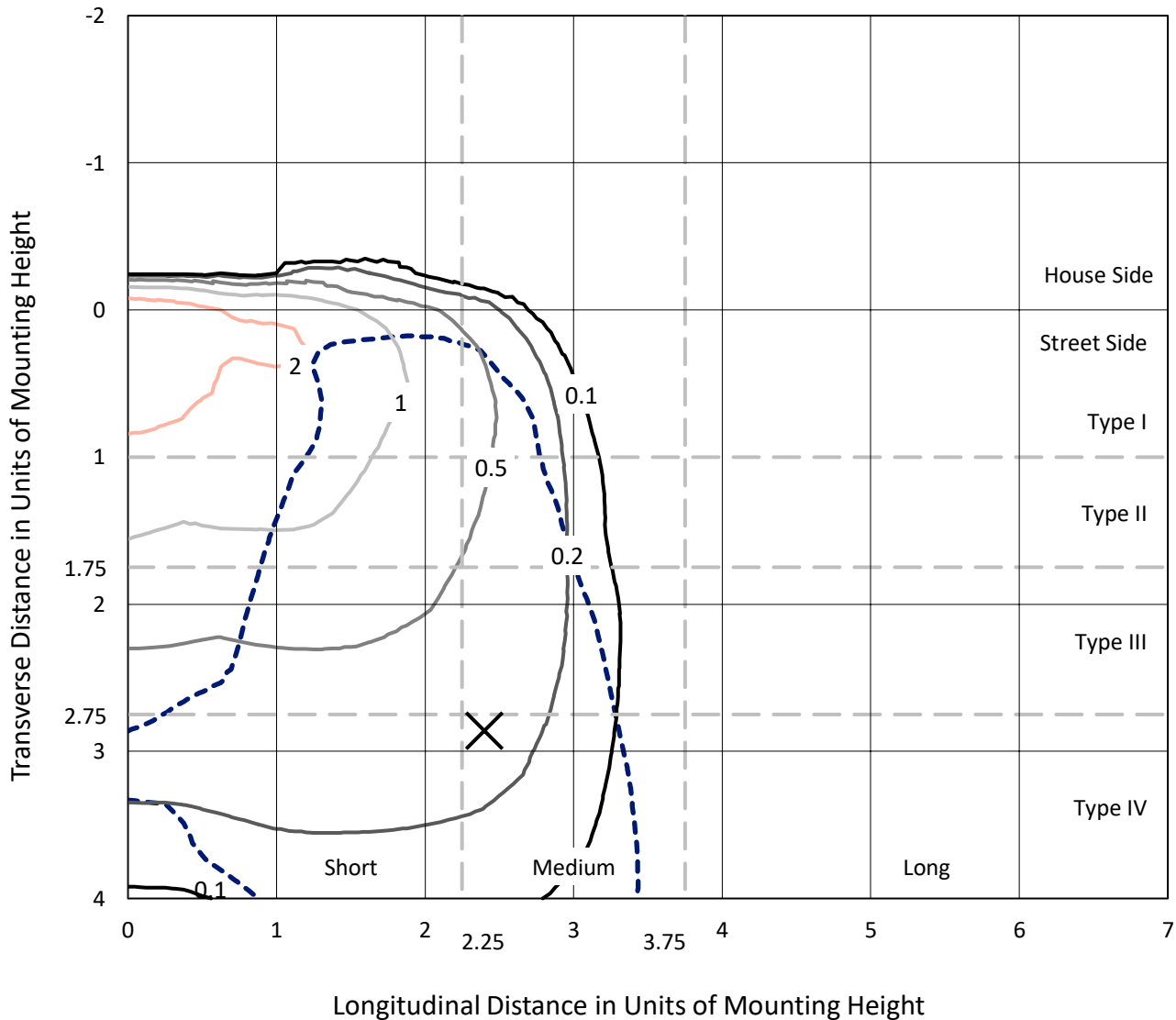
Lumens per Lamp: N/A
Luminaire Lumens: 1813.6 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P565421
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

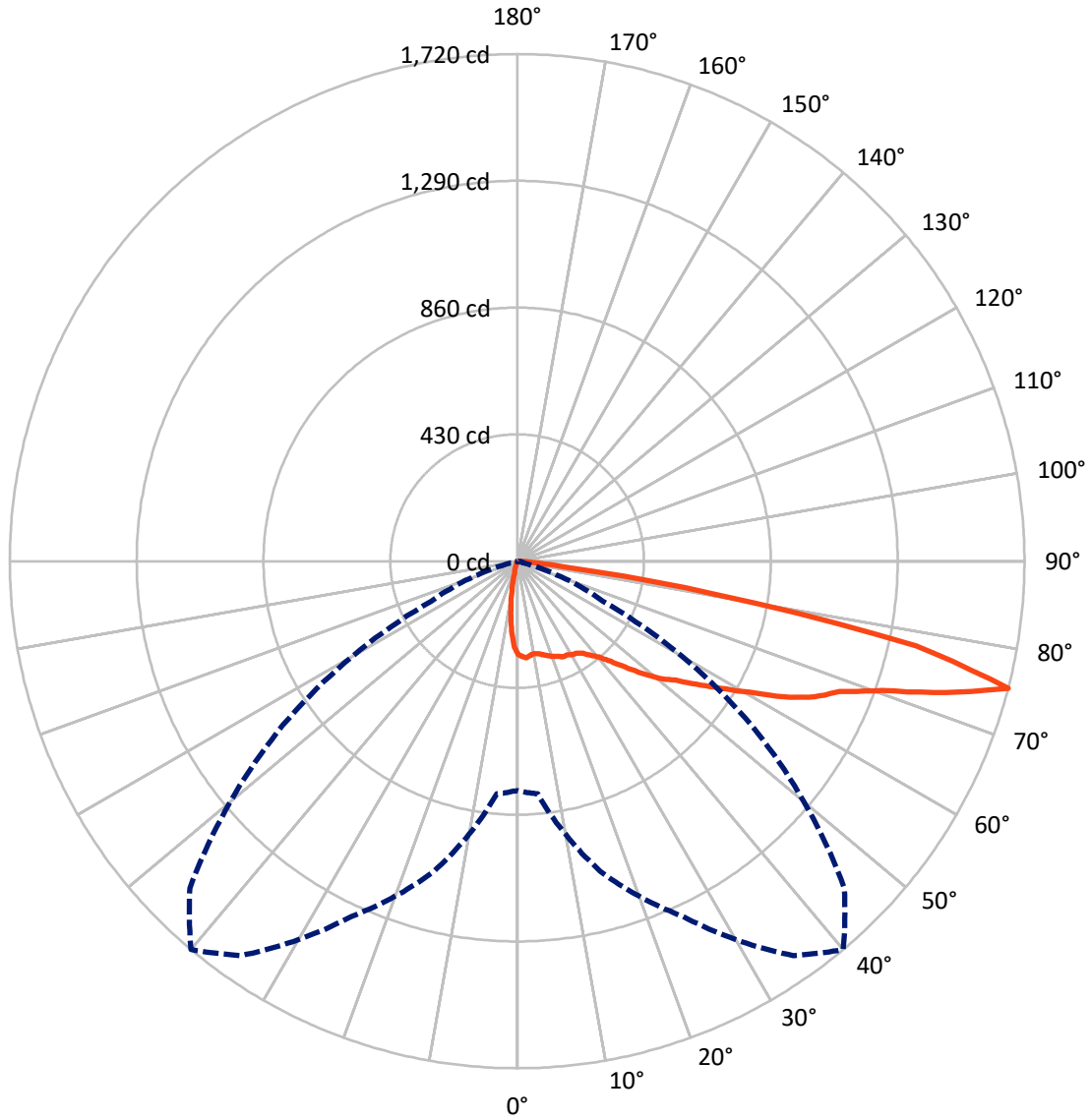
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P565421
CATALOG NUMBER: IFLD-S-SA2A-AMB-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P565421
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-SL4-HSS

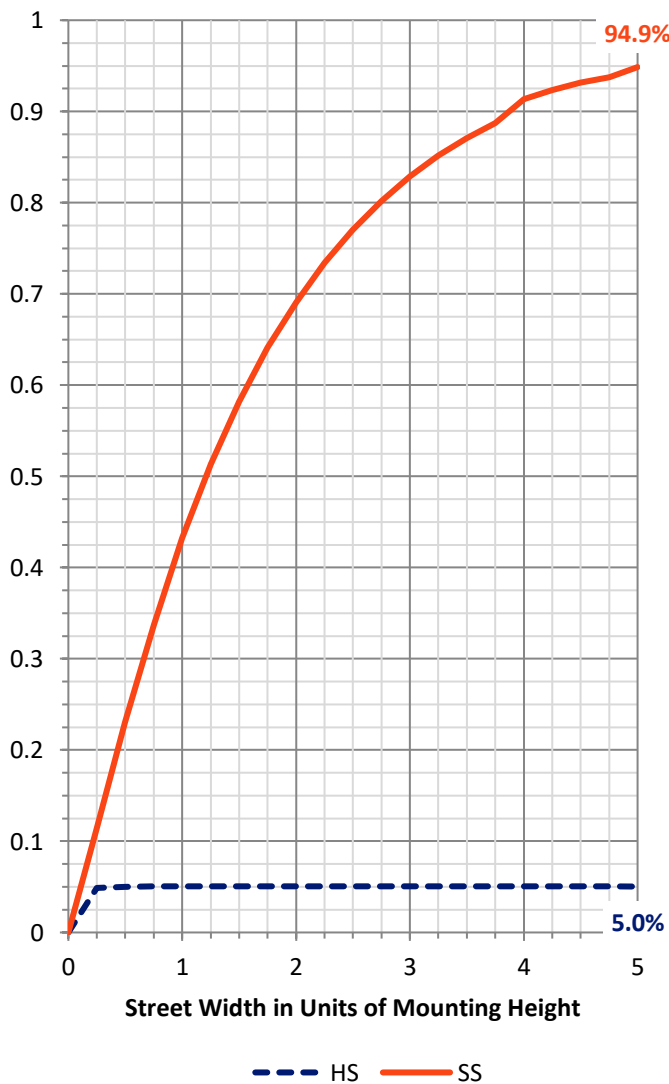
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	91.7	0.0	91.7
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	1721.9	0.0	1721.9
	% Fixture	94.9	0.0	94.9
Total	Lumens	1813.6	0.0	1813.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	1.4
10°-20°	58.8	3.2
20°-30°	91.9	5.1
30°-40°	135.3	7.5
40°-50°	219.3	12.1
50°-60°	347.2	19.1
60°-70°	484.4	26.7
70°-80°	410.2	22.6
80°-90°	41.0	2.3
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°	1813.6	100.0
0°-180°	1813.6	100.0

Coefficient of Utilization

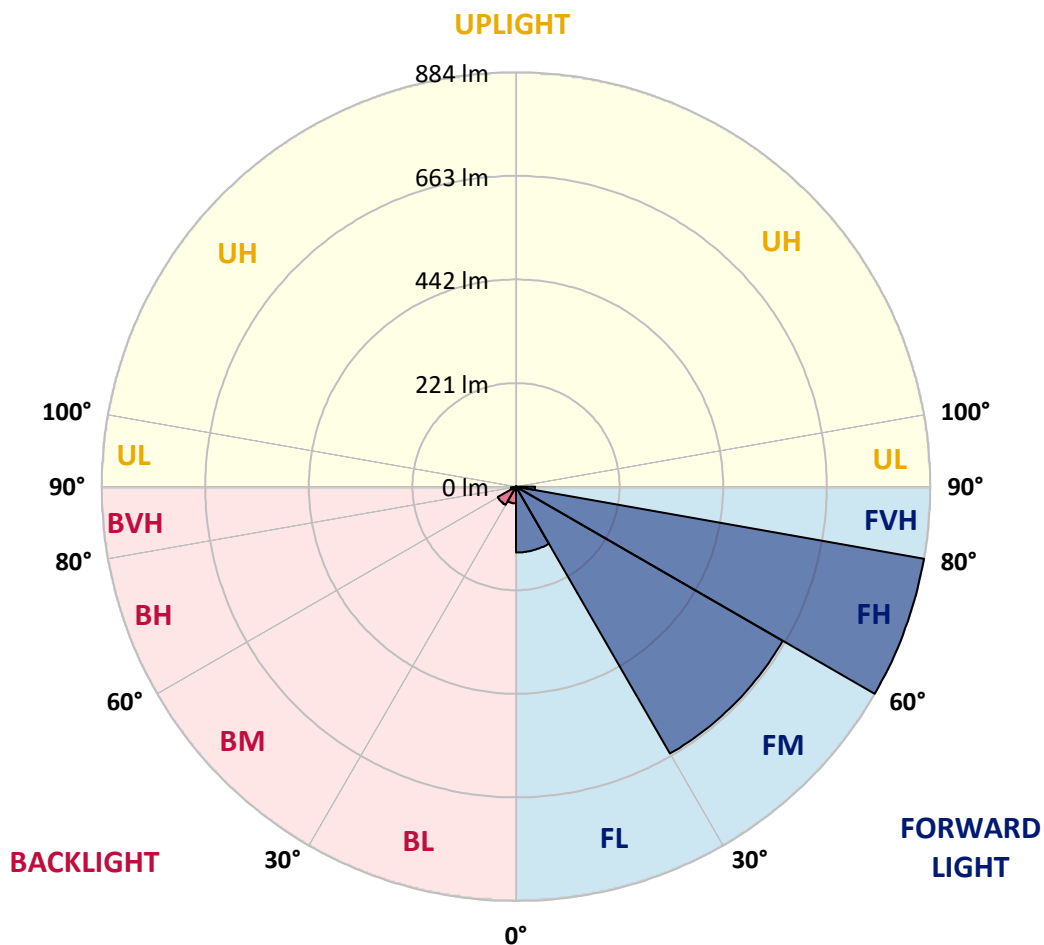


REPORT NUMBER: P565421
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.4	7.7			
FM (30°-60°)	657.0	36.2			
FH (60°-80°)	883.6	48.7			G1/1800
FVH (80°-90°)	40.9	2.3			G1/100
BL (0°-30°)	35.8	2.0	B0/110		
BM (30°-60°)	44.8	2.5	B0/220		
BH (60°-80°)	11.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	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 IV Medium





REPORT NUMBER: P565421

CATALOG NUMBER: IFLD-S-SA2A-AMB-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1
2.5°	332.2	326.0	328.5	326.0	322.3	323.6	321.1	322.3	322.3	323.6	318.6
5°	326.0	328.5	332.2	324.8	322.3	329.7	323.6	326.0	319.9	313.7	313.7
7.5°	318.6	324.8	324.8	321.1	323.6	322.3	322.3	317.4	317.4	311.2	305.0
10°	312.4	316.1	316.1	319.9	319.9	318.6	319.9	313.7	312.4	307.5	303.8
12.5°	306.3	310.0	316.1	317.4	323.6	322.3	323.6	316.1	316.1	314.9	302.6
15°	312.4	307.5	314.9	324.8	327.3	329.7	332.2	327.3	322.3	318.6	305.0
17.5°	313.7	311.2	317.4	331.0	331.0	337.1	339.6	334.7	322.3	316.1	306.3
20°	323.6	319.9	324.8	339.6	340.8	344.6	344.6	342.1	329.7	322.3	314.9
22.5°	329.7	327.3	329.7	347.0	350.7	350.7	349.5	345.8	334.7	331.0	321.1
25°	344.6	344.6	342.1	354.4	356.9	359.4	356.9	345.8	333.4	338.4	327.3
27.5°	349.5	355.7	352.0	358.1	361.8	360.6	360.6	347.0	333.4	339.6	337.1
30°	371.7	369.3	363.1	371.7	368.0	368.0	364.3	349.5	345.8	355.7	347.0
32.5°	392.7	386.5	380.4	376.7	370.5	371.7	371.7	363.1	352.0	379.1	369.3
35°	413.7	405.1	402.6	396.4	379.1	384.1	385.3	373.0	370.5	396.4	387.8
37.5°	432.2	426.1	418.7	408.8	400.1	405.1	401.4	387.8	396.4	439.6	417.4
40°	443.4	445.8	437.2	442.1	429.8	427.3	431.0	422.4	431.0	485.3	459.4
42.5°	469.3	463.1	463.1	456.9	460.6	464.3	468.0	463.1	484.1	547.1	517.4
45°	475.5	476.7	479.2	490.3	498.9	512.5	521.2	498.9	540.9	628.6	582.9
47.5°	498.9	497.7	492.7	524.9	545.9	566.8	579.2	559.4	605.1	700.2	650.8
50°	529.8	517.4	508.8	560.7	592.8	624.9	627.4	624.9	678.0	789.1	713.8
52.5°	545.9	542.1	529.8	596.5	642.2	670.6	701.5	689.1	765.7	883.0	763.2
55°	580.4	575.5	554.5	644.6	699.0	736.0	769.4	776.8	847.2	959.6	792.8
57.5°	642.2	616.2	595.3	686.6	769.4	812.6	852.1	870.6	938.6	984.3	815.1
60°	694.0	665.6	654.5	736.0	849.7	901.5	941.0	969.4	984.3	1005.3	847.2
62.5°	742.2	716.3	700.2	811.4	954.6	1013.9	1041.1	1023.8	1005.3	1044.8	874.4
65°	762.0	763.2	750.9	890.4	1064.5	1110.2	1117.6	1070.7	1060.8	1102.8	875.6
67.5°	805.2	806.4	806.4	974.4	1174.4	1179.4	1183.1	1159.6	1157.2	1146.0	795.3
70°	841.0	854.6	891.6	1068.2	1272.0	1312.8	1342.4	1293.0	1178.2	964.5	453.2
72.5°	891.6	896.6	992.9	1179.4	1422.7	1521.5	1567.2	1370.8	881.8	440.9	60.5
75°	778.0	792.8	1089.2	1330.1	1633.9	1720.3	1569.6	969.4	321.1	23.5	0.0
77.5°	342.1	389.0	821.2	1272.0	1496.8	1383.2	1033.7	397.7	40.8	0.0	0.0
80°	158.1	169.2	260.6	678.0	807.7	681.7	433.5	142.0	23.5	0.0	0.0
82.5°	112.4	112.4	126.0	163.0	190.2	155.6	112.4	101.3	18.5	0.0	0.0
85°	19.8	18.5	74.1	96.3	77.8	51.9	51.9	118.6	11.1	4.9	4.9
87.5°	0.0	0.0	12.3	43.2	37.0	17.3	23.5	43.2	1.2	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P565421
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1
2.5°	316.1	317.4	306.3	303.8	295.2	293.9	284.0	276.6	275.4	270.5	272.9
5°	306.3	302.6	296.4	277.9	260.6	245.8	229.7	218.6	211.2	200.1	205.0
7.5°	300.1	295.2	277.9	254.4	224.8	191.4	165.5	142.0	129.7	122.3	122.3
10°	293.9	290.2	264.3	226.0	177.8	134.6	96.3	65.5	49.4	37.0	40.8
12.5°	295.2	284.0	250.7	198.8	135.8	76.6	34.6	14.8	9.9	7.4	6.2
15°	300.1	282.8	238.3	165.5	88.9	27.2	7.4	4.9	3.7	3.7	3.7
17.5°	300.1	284.0	221.1	128.4	43.2	6.2	2.5	2.5	2.5	2.5	1.2
20°	301.3	285.3	207.5	91.4	13.6	1.2	0.0	0.0	0.0	0.0	0.0
22.5°	306.3	284.0	184.0	53.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0
25°	307.5	280.3	161.8	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	312.4	274.2	135.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	322.3	271.7	106.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	329.7	275.4	72.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	343.3	271.7	34.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	363.1	272.9	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	394.0	280.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	431.0	295.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	476.7	307.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	522.4	317.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	565.6	328.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	602.7	321.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	621.2	287.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	620.0	249.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	629.8	207.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	638.5	149.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	610.1	71.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	469.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	190.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.2	1.2	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)