

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: P565414

Luminaire Tested: **IFLD-S-SA3A-AMB-U-SL3-HSS**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565414  
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-SL3-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ SL3 distribution lens and House Side Shield  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

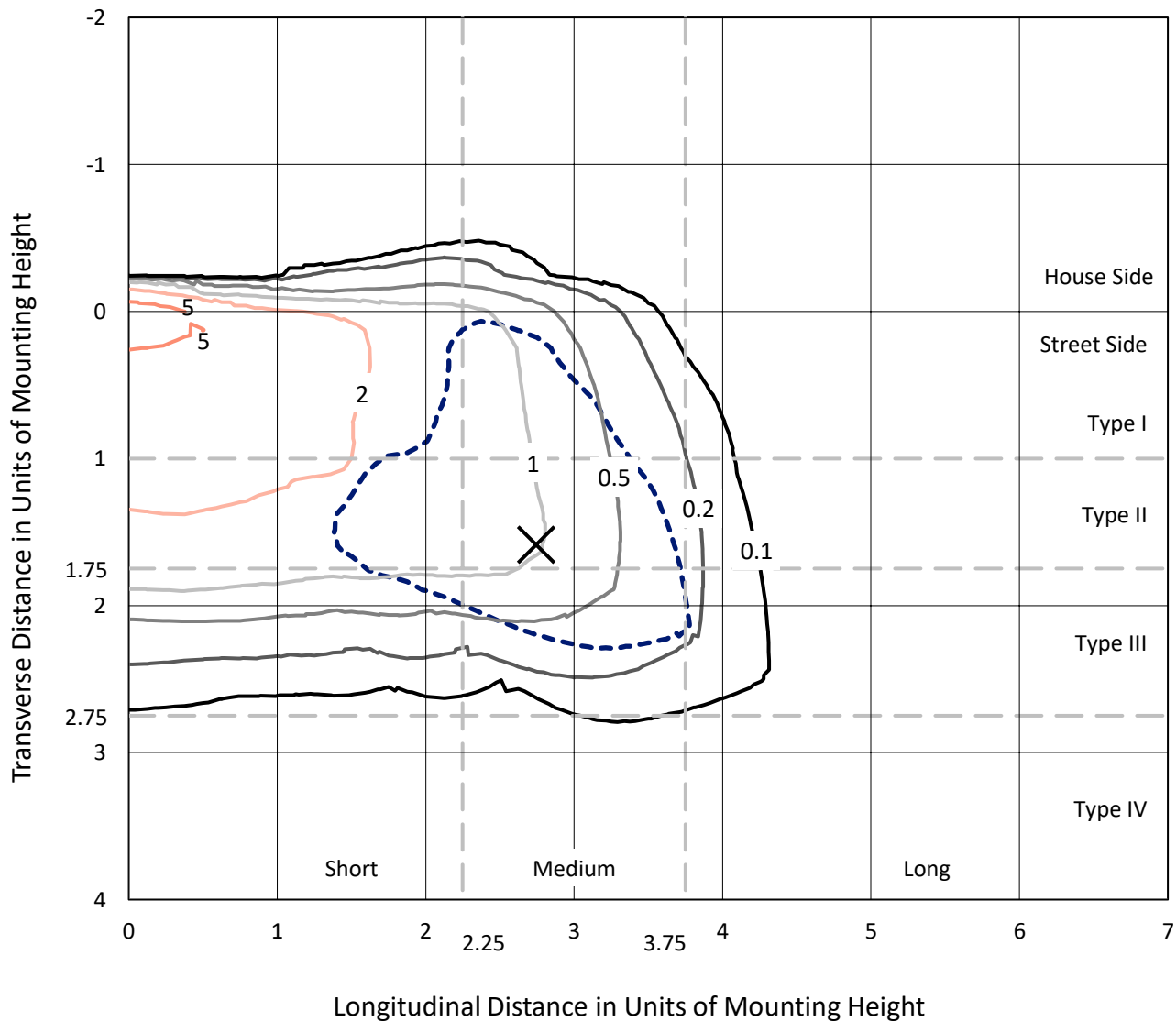
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2735.6 lumens  
Efficiency: N/A  
Efficacy: 44.7 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

REPORT NUMBER: P565414  
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

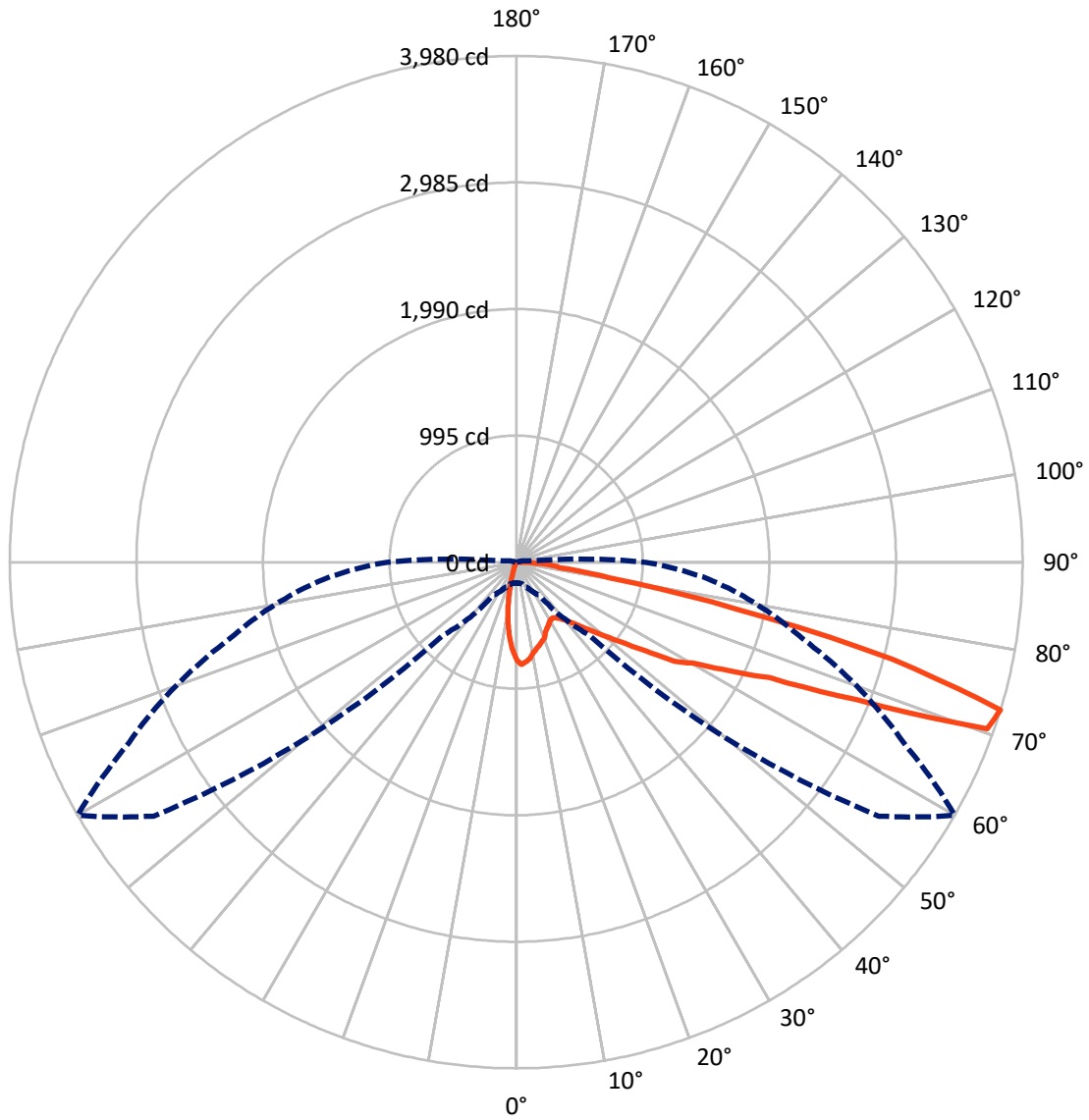
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-SL3-HSS

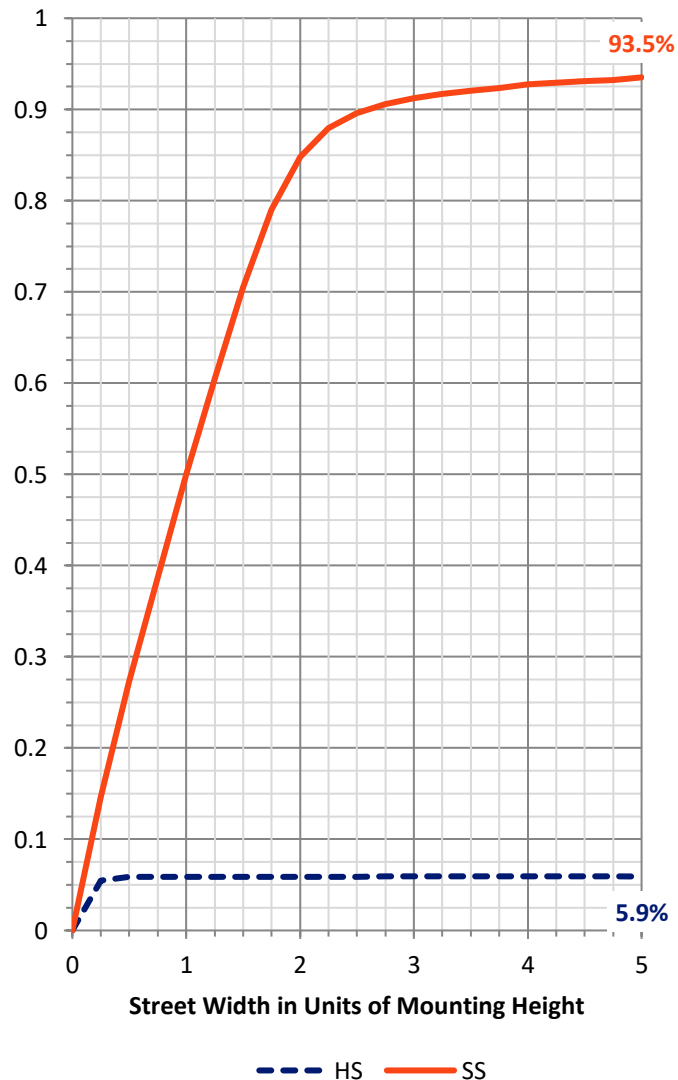
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	162.7	0.0	162.7
	% Fixture	5.9	0.0	5.9
<b>Street Side</b>	Lumens	2572.8	0.0	2572.8
	% Fixture	94.1	0.0	94.1
<b>Total</b>	Lumens	2735.6	0.0	2735.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	2.1
10°-20°	111.2	4.1
20°-30°	144.0	5.3
30°-40°	197.2	7.2
40°-50°	315.2	11.5
50°-60°	547.8	20.0
60°-70°	812.6	29.7
70°-80°	502.3	18.4
80°-90°	47.0	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°	2735.6	100.0
0°-180°	2735.6	100.0

**Coefficient of Utilization**

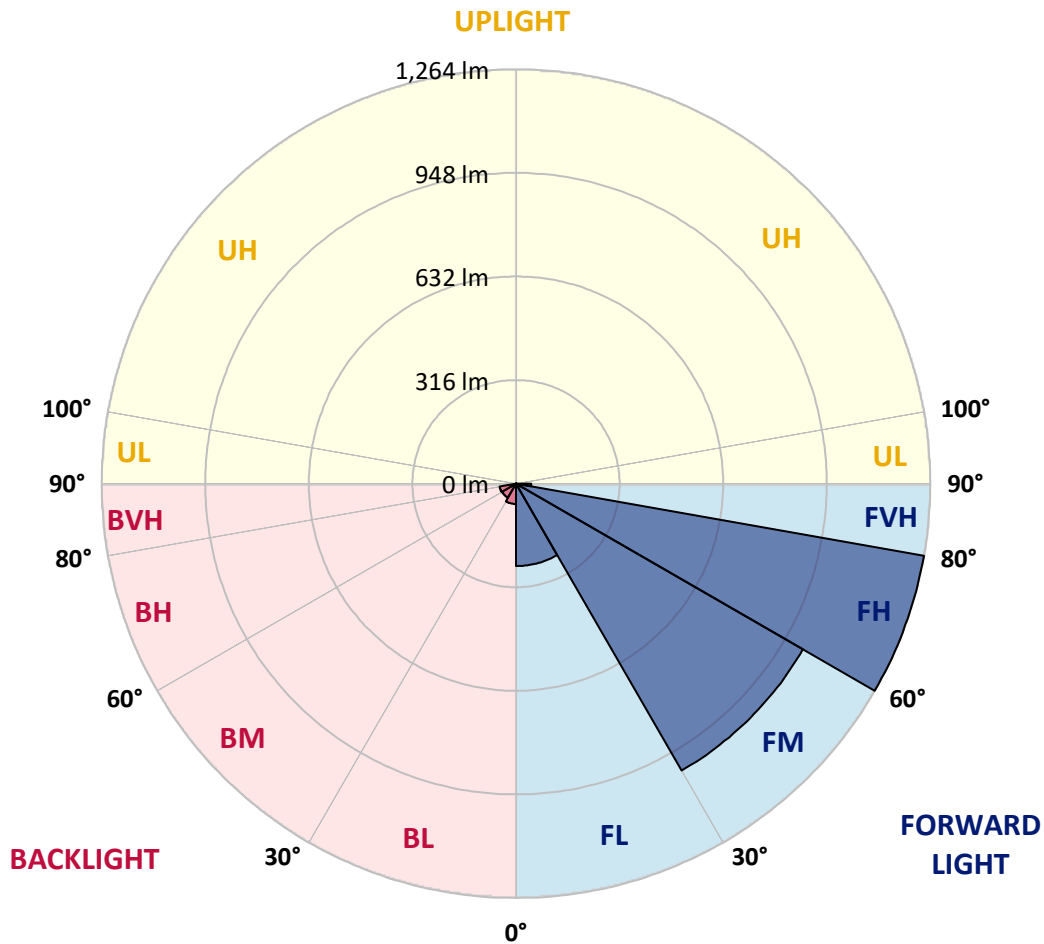


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.5	9.2			
FM (30°-60°)	1010.8	36.9			
FH (60°-80°)	1264.2	46.2			G1/1800
FVH (80°-90°)	46.3	1.7			G1/100
BL (0°-30°)	62.0	2.3	B0/110		
BM (30°-60°)	49.4	1.8	B0/220		
BH (60°-80°)	50.6	1.9	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





REPORT NUMBER: P565414

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1
2.5°	823.1	812.6	821.4	821.4	812.6	802.0	814.3	807.3	800.2	784.4	766.8
5°	758.0	768.6	777.4	777.4	779.1	787.9	798.5	789.7	805.5	787.9	761.6
7.5°	703.5	710.6	721.1	728.1	736.9	742.2	763.3	765.1	765.1	770.3	761.6
10°	626.1	638.4	640.2	654.3	691.2	703.5	722.9	728.1	735.2	754.5	735.2
12.5°	580.4	591.0	592.7	610.3	629.6	664.8	680.7	700.0	714.1	740.5	722.9
15°	541.7	541.7	550.5	562.8	582.2	619.1	668.3	678.9	693.0	724.6	715.8
17.5°	504.8	504.8	511.8	520.6	548.7	582.2	629.6	654.3	670.1	722.9	700.0
20°	494.2	487.2	488.9	492.5	517.1	557.5	599.7	636.7	652.5	710.6	680.7
22.5°	492.5	480.1	476.6	480.1	488.9	508.3	561.1	591.0	633.2	712.3	673.6
25°	485.4	481.9	481.9	473.1	476.6	496.0	529.4	569.8	622.6	717.6	661.3
27.5°	494.2	497.7	494.2	483.7	481.9	478.4	506.5	548.7	596.2	724.6	647.2
30°	510.0	510.0	513.6	497.7	485.4	471.4	494.2	529.4	580.4	740.5	634.9
32.5°	529.4	534.7	534.7	520.6	503.0	474.9	496.0	524.1	571.6	747.5	631.4
35°	566.3	568.1	564.6	559.3	531.2	503.0	508.3	536.4	580.4	773.9	636.7
37.5°	603.3	598.0	605.0	603.3	578.6	543.5	541.7	562.8	596.2	793.2	661.3
40°	643.7	642.0	645.5	650.8	627.9	599.7	582.2	601.5	636.7	828.4	680.7
42.5°	687.7	685.9	687.7	712.3	698.2	661.3	638.4	654.3	689.4	886.4	729.9
45°	714.1	721.1	738.7	766.8	773.9	724.6	714.1	724.6	742.2	953.3	810.8
47.5°	736.9	752.8	777.4	814.3	854.8	823.1	800.2	814.3	831.9	1028.9	897.0
50°	802.0	810.8	854.8	893.5	942.7	939.2	926.9	923.4	939.2	1116.8	988.4
52.5°	911.1	912.8	941.0	986.7	1032.4	1074.6	1074.6	1046.5	1057.0	1227.6	1106.3
55°	1007.8	1023.6	1060.5	1074.6	1137.9	1213.6	1259.3	1232.9	1206.5	1329.6	1252.3
57.5°	1102.8	1129.1	1162.6	1210.0	1247.0	1310.3	1473.9	1468.6	1375.4	1461.6	1352.5
60°	1129.1	1134.4	1248.7	1363.1	1451.0	1509.0	1658.5	1616.3	1512.6	1505.5	1428.1
62.5°	949.7	972.6	1125.6	1329.6	1635.7	1892.5	1922.4	1880.1	1640.9	1609.3	1561.8
65°	527.6	564.6	722.9	1067.6	1530.1	2228.4	2332.2	2189.7	1860.8	1841.5	1939.9
67.5°	335.9	330.7	364.1	532.9	1043.0	2256.5	3132.4	2882.7	2400.7	2312.8	2332.2
70°	228.6	223.4	225.1	297.2	501.3	1684.9	3700.5	3925.6	3165.8	2564.3	2136.9
72.5°	167.1	163.6	175.9	228.6	318.3	810.8	3480.6	3980.1	3361.0	2332.2	1516.1
75°	110.8	112.6	135.4	195.2	306.0	365.8	2428.9	3053.3	2634.7	1540.7	626.1
77.5°	61.6	65.1	93.2	160.0	277.9	300.8	1218.8	1764.1	1331.4	501.3	126.6
80°	28.1	28.1	47.5	114.3	239.2	270.9	494.2	754.5	430.9	93.2	36.9
82.5°	12.3	12.3	21.1	61.6	170.6	246.2	327.1	341.2	154.8	35.2	22.9
85°	1.8	1.8	7.0	31.7	87.9	167.1	279.6	248.0	102.0	15.8	14.1
87.5°	0.0	0.0	1.8	7.0	26.4	54.5	133.7	98.5	38.7	7.0	5.3
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°	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1
2.5°	766.8	758.0	736.9	712.3	691.2	673.6	652.5	636.7	622.6	617.3	603.3
5°	740.5	729.9	684.2	626.1	591.0	543.5	501.3	466.1	445.0	434.4	416.8
7.5°	717.6	693.0	624.4	543.5	469.6	394.0	332.4	277.9	237.4	223.4	230.4
10°	698.2	657.8	557.5	445.0	341.2	242.7	151.3	82.7	44.0	35.2	38.7
12.5°	678.9	624.4	492.5	351.8	214.6	91.5	28.1	0.0	0.0	0.0	0.0
15°	656.0	589.2	423.9	260.3	98.5	17.6	0.0	0.0	0.0	0.0	0.0
17.5°	642.0	562.8	358.8	170.6	28.1	0.0	0.0	0.0	0.0	0.0	0.0
20°	617.3	515.3	297.2	80.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	587.4	483.7	235.7	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	564.6	450.2	163.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	557.5	415.1	95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	532.9	383.4	42.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	518.8	350.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	503.0	323.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	504.8	295.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	520.6	269.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	557.5	244.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	599.7	228.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	671.9	223.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	738.7	228.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	844.2	246.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	953.3	279.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1043.0	299.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1104.5	318.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1289.2	411.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1651.5	518.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1837.9	508.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1575.9	325.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1018.3	109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	321.9	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	61.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	24.6	7.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.1	5.3	3.5	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
85°	10.6	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
87.5°	5.3	1.8	1.8	1.8	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)