

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: P565426

Luminaire Tested: **IFLD-M-SA4A-AMB-U-SL4-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565426  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-AMB-U-SL4-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ SL4 distribution lens and House Side Shield  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

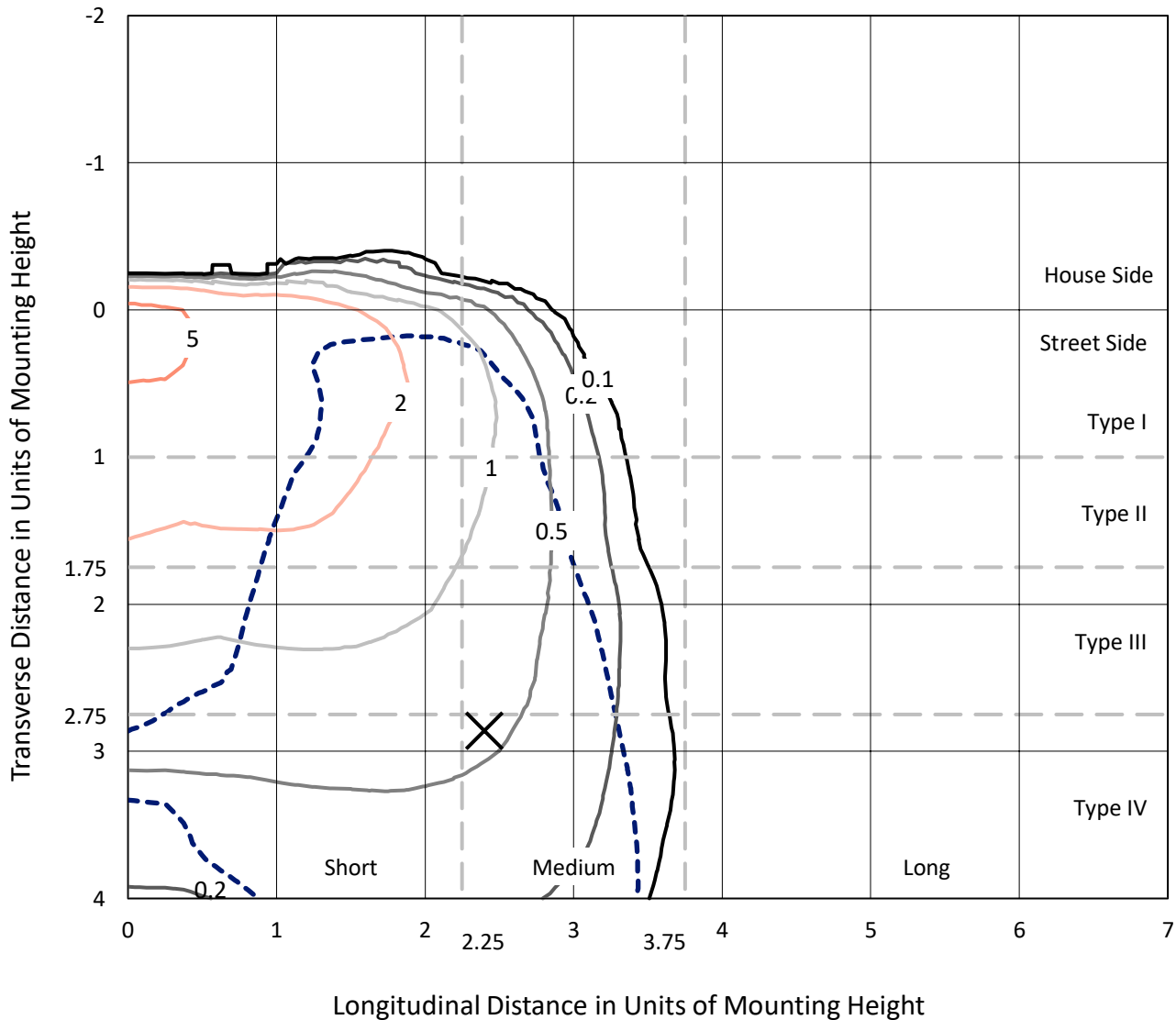
Lumens per Lamp: N/A  
Luminaire Lumens: 3627.7 lumens  
Efficiency: N/A  
Efficacy: 43.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 83  
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

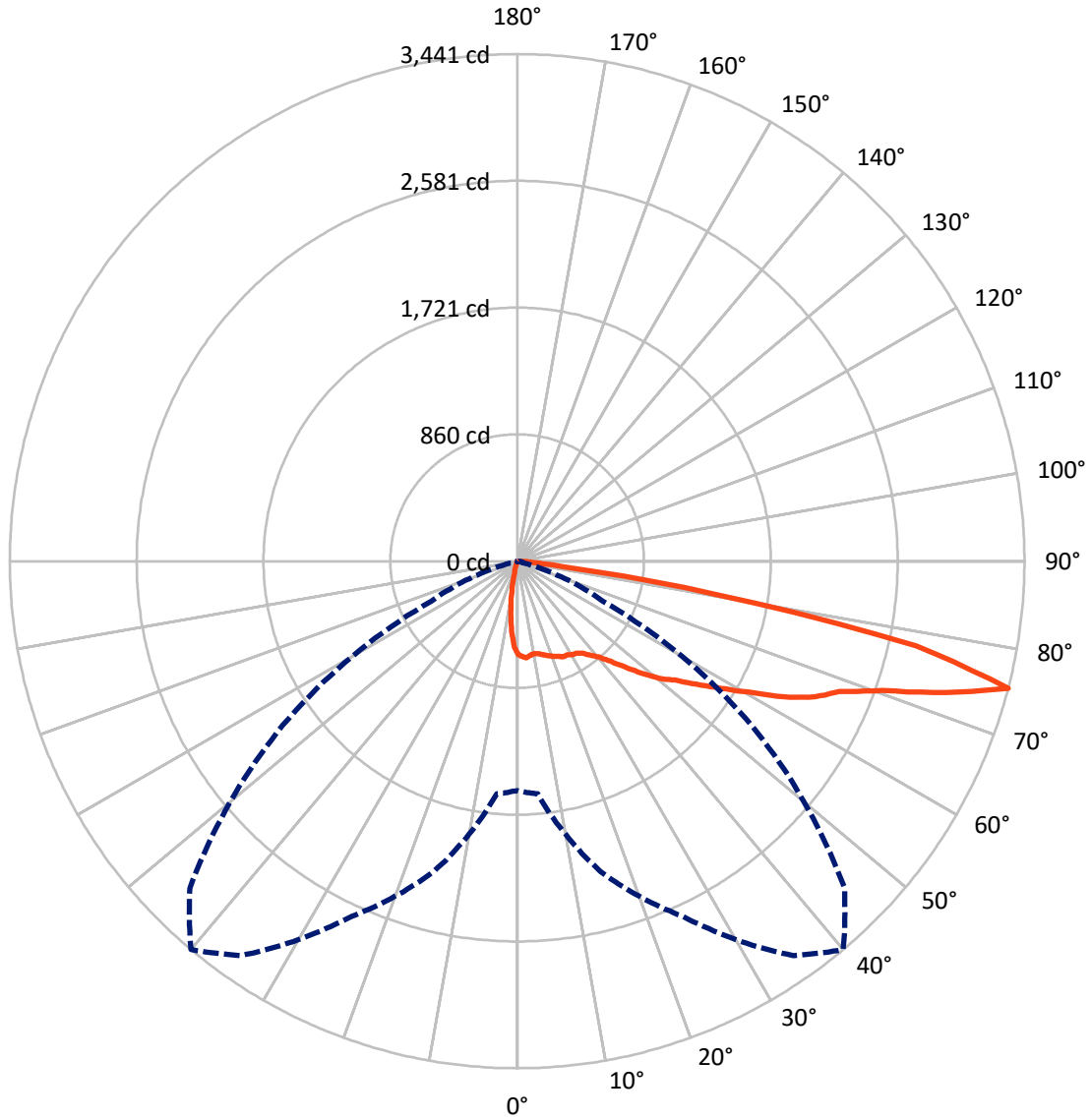
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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

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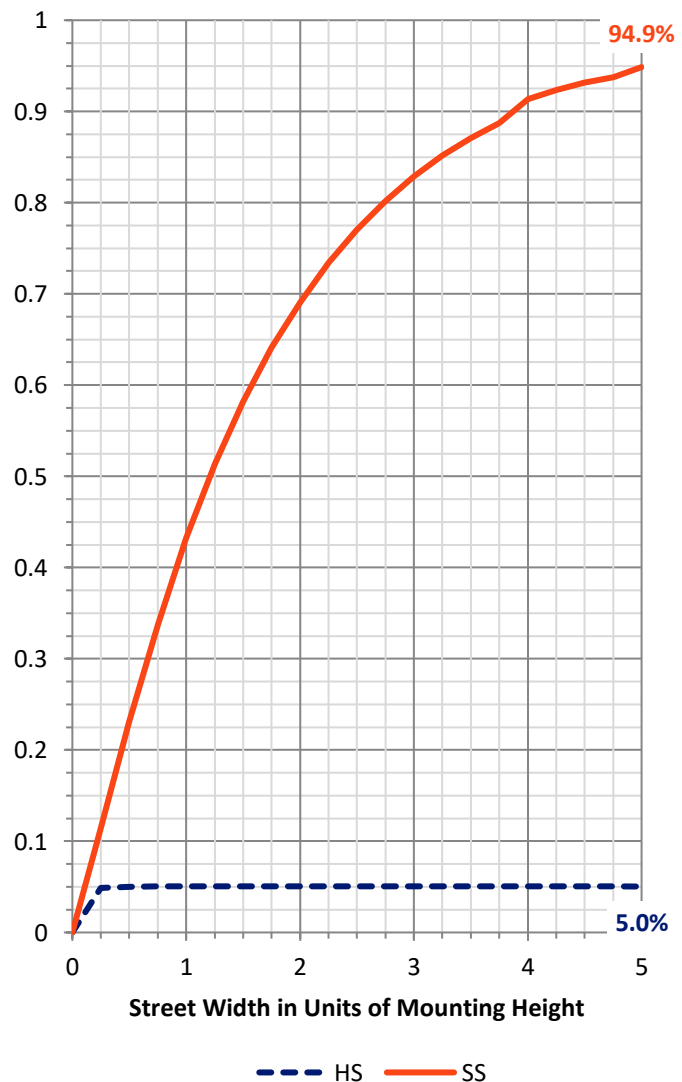
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	183.3	0.0	183.3
	% Fixture	5.1	0.0	5.1
<b>Street Side</b>	Lumens	3444.4	0.0	3444.4
	% Fixture	94.9	0.0	94.9
<b>Total</b>	Lumens	3627.7	0.0	3627.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.1	1.4
10°-20°	117.6	3.2
20°-30°	183.8	5.1
30°-40°	270.5	7.5
40°-50°	438.6	12.1
50°-60°	694.6	19.1
60°-70°	969.1	26.7
70°-80°	820.5	22.6
80°-90°	81.9	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°	3627.7	100.0
0°-180°	3627.7	100.0

**Coefficient of Utilization**

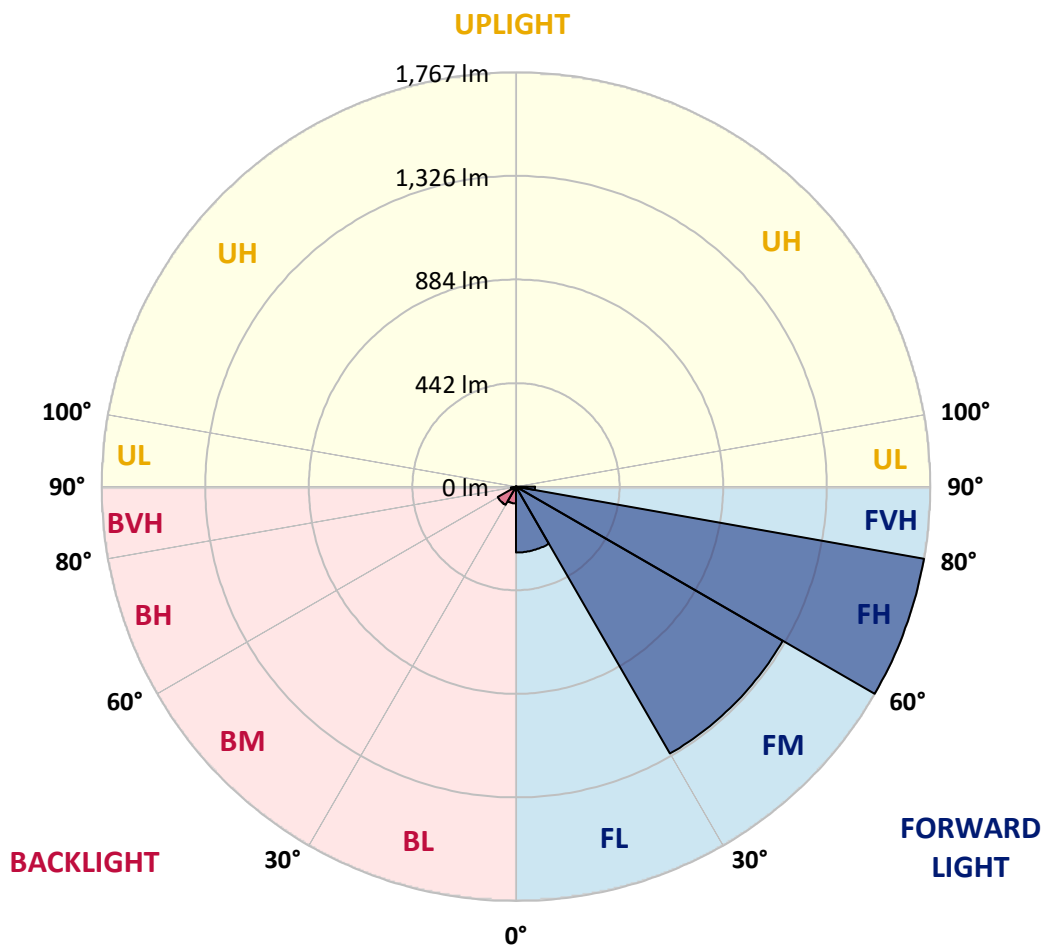


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.9	7.7			
FM (30°-60°)	1314.2	36.2			
FH (60°-80°)	1767.5	48.7			G1/1800
FVH (80°-90°)	81.8	2.3			G1/100
BL (0°-30°)	71.5	2.0	B0/110		
BM (30°-60°)	89.6	2.5	B0/220		
BH (60°-80°)	22.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4
2.5°	664.5	652.2	657.1	652.2	644.8	647.2	642.3	644.8	644.8	647.2	637.3
5°	652.2	657.1	664.5	649.7	644.8	659.6	647.2	652.2	639.8	627.5	627.5
7.5°	637.3	649.7	649.7	642.3	647.2	644.8	644.8	634.9	634.9	622.5	610.2
10°	625.0	632.4	632.4	639.8	639.8	637.3	639.8	627.5	625.0	615.1	607.7
12.5°	612.6	620.0	632.4	634.9	647.2	644.8	647.2	632.4	632.4	629.9	605.2
15°	625.0	615.1	629.9	649.7	654.6	659.6	664.5	654.6	644.8	637.3	610.2
17.5°	627.5	622.5	634.9	662.0	662.0	674.4	679.3	669.5	644.8	632.4	612.6
20°	647.2	639.8	649.7	679.3	681.8	689.2	689.2	684.3	659.6	644.8	629.9
22.5°	659.6	654.6	659.6	694.2	701.6	701.6	699.1	691.7	669.5	662.0	642.3
25°	689.2	689.2	684.3	709.0	713.9	718.9	713.9	691.7	667.0	676.9	654.6
27.5°	699.1	711.4	704.0	716.4	723.8	721.3	721.3	694.2	667.0	679.3	674.4
30°	743.6	738.6	726.3	743.6	736.2	736.2	728.7	699.1	691.7	711.4	694.2
32.5°	785.6	773.2	760.9	753.4	741.1	743.6	743.6	726.3	704.0	758.4	738.6
35°	827.6	810.3	805.3	793.0	758.4	768.3	770.7	746.0	741.1	793.0	775.7
37.5°	864.6	852.3	837.4	817.7	800.4	810.3	802.9	775.7	793.0	879.4	835.0
40°	886.8	891.8	874.5	884.4	859.7	854.7	862.1	844.8	862.1	970.8	919.0
42.5°	938.7	926.4	926.4	914.0	921.4	928.8	936.2	926.4	968.4	1094.3	1035.1
45°	951.1	953.5	958.5	980.7	998.0	1025.2	1042.5	998.0	1082.0	1257.4	1166.0
47.5°	998.0	995.5	985.7	1049.9	1091.9	1133.9	1158.6	1119.1	1210.5	1400.7	1301.9
50°	1059.8	1035.1	1017.8	1121.5	1185.7	1250.0	1254.9	1250.0	1356.2	1578.5	1427.8
52.5°	1091.9	1084.5	1059.8	1193.2	1284.6	1341.4	1403.1	1378.4	1531.6	1766.3	1526.7
55°	1161.0	1151.2	1109.2	1289.5	1398.2	1472.3	1539.0	1553.8	1694.6	1919.4	1585.9
57.5°	1284.6	1232.7	1190.7	1373.5	1539.0	1625.5	1704.5	1741.6	1877.4	1968.8	1630.4
60°	1388.3	1331.5	1309.3	1472.3	1699.6	1803.3	1882.4	1939.2	1968.8	2010.8	1694.6
62.5°	1484.7	1432.8	1400.7	1623.0	1909.6	2028.1	2082.5	2047.9	2010.8	2089.9	1749.0
65°	1524.2	1526.7	1501.9	1781.1	2129.4	2220.8	2235.6	2141.8	2122.0	2206.0	1751.5
67.5°	1610.6	1613.1	1613.1	1949.1	2349.3	2359.1	2366.6	2319.6	2314.7	2292.4	1590.9
70°	1682.3	1709.5	1783.6	2136.8	2544.4	2625.9	2685.2	2586.4	2356.7	1929.3	906.6
72.5°	1783.6	1793.4	1986.1	2359.1	2845.8	3043.4	3134.8	2742.0	1763.8	881.9	121.0
75°	1556.3	1585.9	2178.8	2660.5	3268.2	3441.1	3139.8	1939.2	642.3	46.9	0.0
77.5°	684.3	778.1	1642.8	2544.4	2994.0	2766.7	2067.7	795.4	81.5	0.0	0.0
80°	316.2	338.4	521.2	1356.2	1615.6	1363.6	867.1	284.1	46.9	0.0	0.0
82.5°	224.8	224.8	252.0	326.1	380.4	311.3	224.8	202.6	37.1	0.0	0.0
85°	39.5	37.1	148.2	192.7	155.6	103.8	103.8	237.1	22.2	9.9	9.9
87.5°	0.0	0.0	24.7	86.5	74.1	34.6	46.9	86.5	2.5	4.9	4.9
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°	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4
2.5°	632.4	634.9	612.6	607.7	590.4	587.9	568.2	553.3	550.9	541.0	545.9
5°	612.6	605.2	592.9	555.8	521.2	491.6	459.5	437.2	422.4	400.2	410.1
7.5°	600.3	590.4	555.8	508.9	449.6	382.9	331.0	284.1	259.4	244.6	244.6
10°	587.9	580.5	528.6	452.1	355.7	269.3	192.7	130.9	98.8	74.1	81.5
12.5°	590.4	568.2	501.5	397.7	271.7	153.2	69.2	29.6	19.8	14.8	12.4
15°	600.3	565.7	476.8	331.0	177.9	54.3	14.8	9.9	7.4	7.4	7.4
17.5°	600.3	568.2	442.2	256.9	86.5	12.4	4.9	4.9	4.9	4.9	2.5
20°	602.8	570.6	415.0	182.8	27.2	2.5	0.0	0.0	0.0	0.0	0.0
22.5°	612.6	568.2	368.1	106.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0
25°	615.1	560.8	323.6	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	625.0	548.4	271.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	644.8	543.5	212.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	659.6	550.9	145.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	686.7	543.5	69.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	726.3	545.9	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	788.0	560.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	862.1	590.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	953.5	615.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1044.9	634.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1131.4	657.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1205.5	642.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1242.6	575.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1240.1	499.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1259.9	415.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1277.2	298.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1220.3	143.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	938.7	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	380.4	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°	12.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	2.5	2.5	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)