

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: P565346

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

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565346  
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  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL4 distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

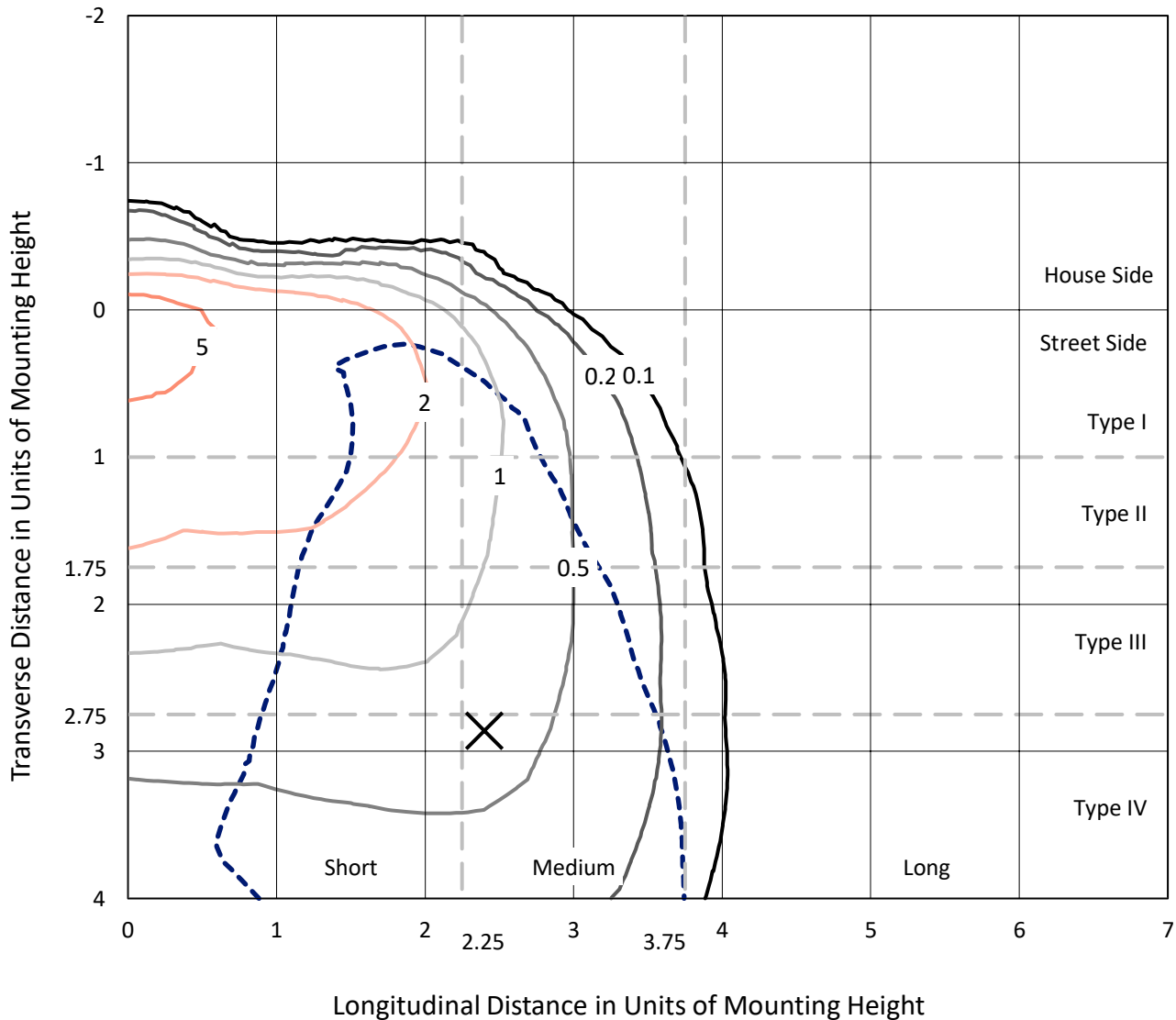
Lumens per Lamp: N/A  
Luminaire Lumens: 4246.2 lumens  
Efficiency: N/A  
Efficacy: 51.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

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

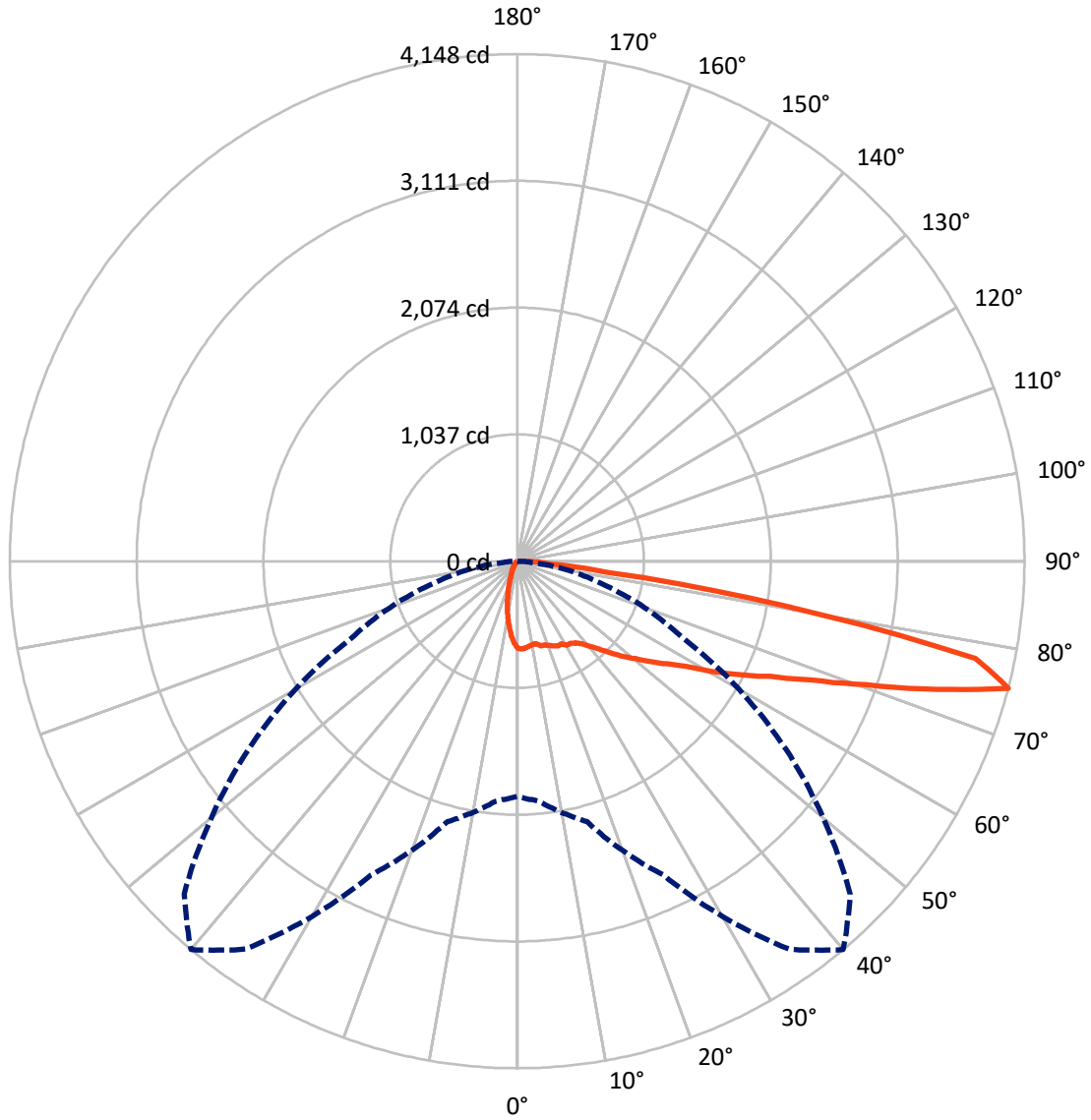
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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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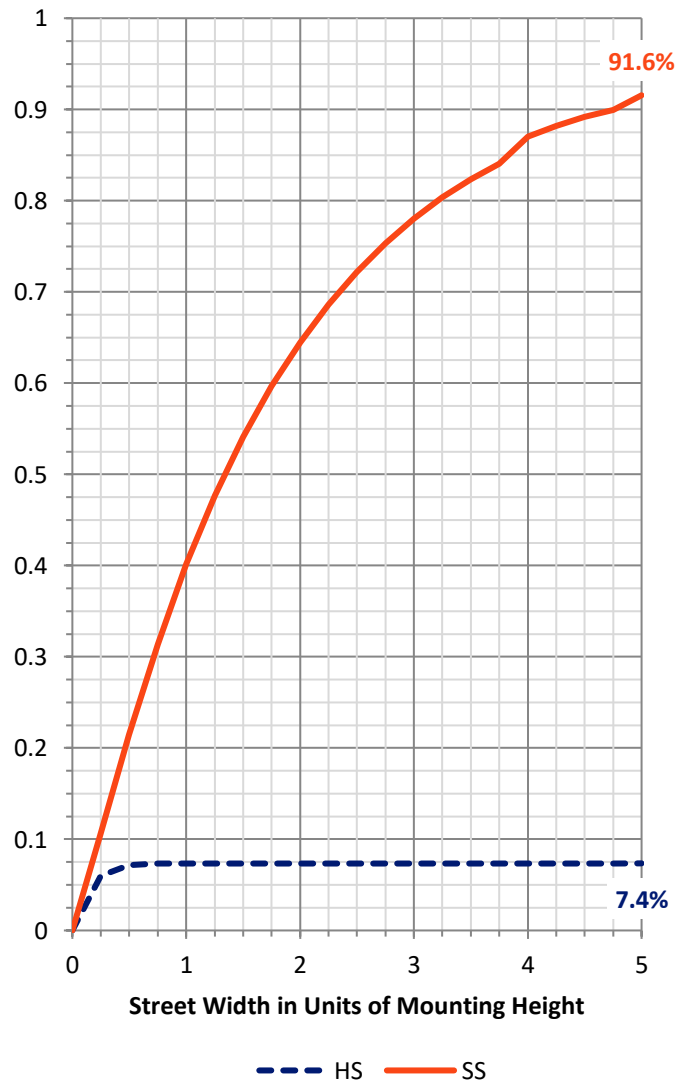
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	315.7	0.0	315.7
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	3930.4	0.0	3930.4
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	4246.2	0.0	4246.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.4	1.4
10°-20°	151.1	3.6
20°-30°	224.8	5.3
30°-40°	312.2	7.4
40°-50°	471.6	11.1
50°-60°	740.8	17.4
60°-70°	1059.7	25.0
70°-80°	1055.2	24.8
80°-90°	169.4	4.0
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°	4246.2	100.0
0°-180°	4246.2	100.0

**Coefficient of Utilization**

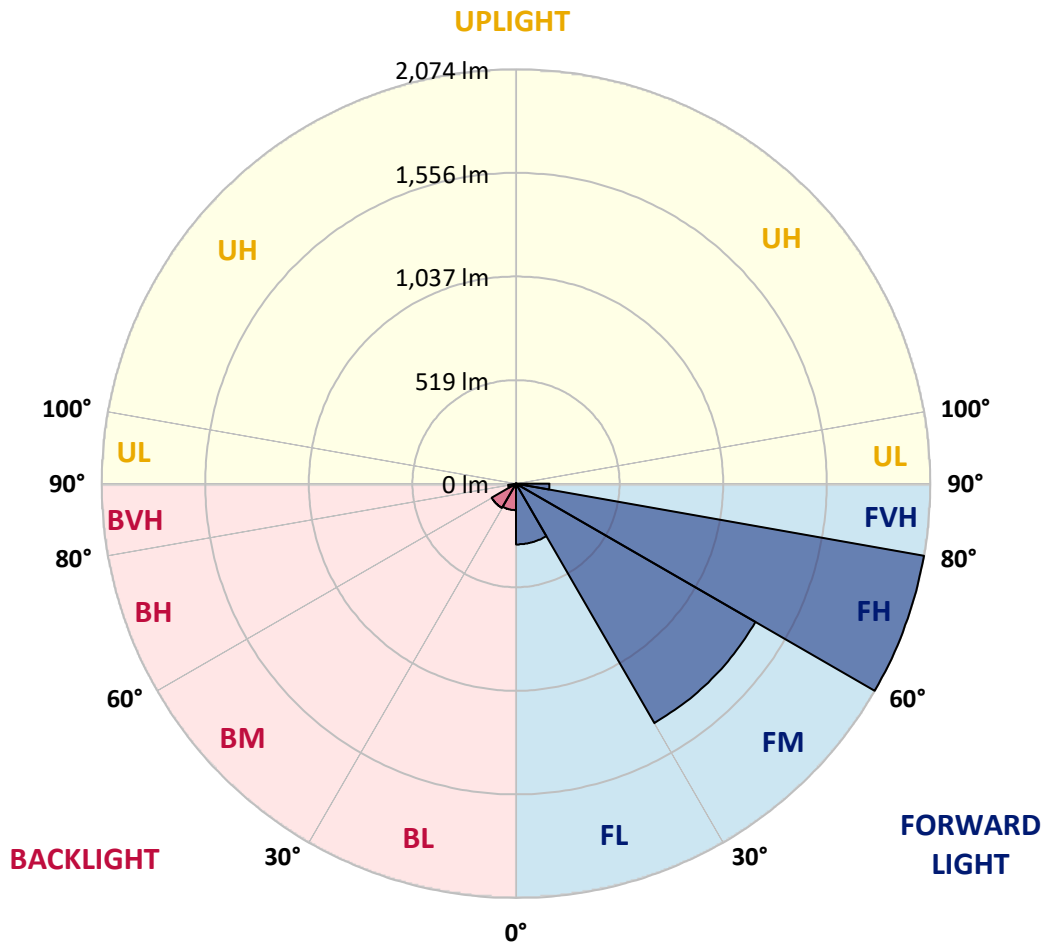


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.3	7.2			
FM (30°-60°)	1384.2	32.6			
FH (60°-80°)	2074.5	48.9			G2/5000
FVH (80°-90°)	167.5	3.9			G2/225
BL (0°-30°)	133.0	3.1	B1/500		
BM (30°-60°)	140.4	3.3	B0/220		
BH (60°-80°)	40.4	1.0	B0/110		G0/110
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8
2.5°	725.7	718.0	723.1	710.3	712.8	720.6	718.0	718.0	720.6	720.6	720.6
5°	705.1	720.6	715.4	707.7	718.0	712.8	710.3	718.0	710.3	707.7	705.1
7.5°	705.1	702.5	705.1	694.8	702.5	702.5	707.7	707.7	700.0	700.0	694.8
10°	684.5	676.8	687.1	687.1	689.7	692.2	700.0	694.8	687.1	679.4	676.8
12.5°	656.2	671.7	682.0	692.2	700.0	692.2	692.2	702.5	694.8	687.1	676.8
15°	669.1	661.4	676.8	700.0	712.8	718.0	715.4	705.1	707.7	694.8	682.0
17.5°	679.4	671.7	676.8	697.4	712.8	720.6	728.3	733.4	707.7	702.5	679.4
20°	687.1	671.7	702.5	718.0	736.0	736.0	733.4	733.4	718.0	720.6	689.7
22.5°	705.1	700.0	705.1	738.6	751.4	751.4	748.9	748.9	723.1	718.0	702.5
25°	730.8	725.7	730.8	756.6	759.2	769.4	766.9	741.1	728.3	733.4	707.7
27.5°	759.2	748.9	754.0	774.6	769.4	766.9	772.0	756.6	738.6	756.6	736.0
30°	777.2	784.9	777.2	800.3	784.9	797.8	784.9	756.6	754.0	777.2	766.9
32.5°	826.1	818.3	815.8	815.8	802.9	802.9	797.8	782.3	779.7	818.3	797.8
35°	882.7	862.1	849.2	836.4	815.8	820.9	826.1	795.2	805.5	869.8	836.4
37.5°	926.4	921.3	900.7	872.4	851.8	856.9	859.5	841.5	862.1	944.4	890.4
40°	959.9	944.4	941.9	934.1	893.0	918.7	916.1	890.4	936.7	1034.5	985.6
42.5°	980.5	983.0	995.9	975.3	970.2	983.0	983.0	972.7	1019.1	1163.2	1091.1
45°	1021.6	1019.1	1024.2	1047.4	1044.8	1068.0	1055.1	1062.8	1145.2	1315.0	1217.2
47.5°	1060.2	1068.0	1065.4	1093.7	1119.4	1163.2	1173.5	1163.2	1273.8	1482.3	1338.2
50°	1104.0	1093.7	1096.3	1168.3	1224.9	1253.2	1294.4	1281.6	1417.9	1672.7	1492.6
52.5°	1168.3	1163.2	1124.6	1261.0	1302.1	1366.5	1394.8	1415.4	1572.3	1878.6	1636.7
55°	1245.5	1222.4	1176.0	1322.7	1407.7	1482.3	1556.9	1569.8	1760.2	2056.1	1731.9
57.5°	1351.0	1309.9	1253.2	1425.7	1556.9	1623.8	1693.3	1744.8	1940.3	2190.0	1827.1
60°	1438.5	1420.5	1338.2	1513.2	1708.7	1832.3	1888.9	1960.9	2135.9	2334.1	1932.6
62.5°	1523.5	1500.3	1469.4	1667.6	1922.3	2048.4	2092.2	2166.8	2336.6	2462.7	1976.4
65°	1585.2	1572.3	1546.6	1796.2	2177.1	2274.9	2328.9	2457.6	2519.4	2506.5	1865.7
67.5°	1654.7	1647.0	1685.6	2004.7	2429.3	2591.4	2689.2	2709.8	2622.3	2388.1	1567.2
70°	1739.6	1762.8	1860.6	2220.8	2815.3	3026.3	3162.7	2967.1	2524.5	2084.5	1086.0
72.5°	1858.0	1906.9	2053.6	2568.3	3330.0	3584.7	3571.9	3057.2	2220.8	1484.9	507.0
75°	1924.9	1968.7	2205.4	2833.3	3875.5	4148.3	3849.8	2681.5	1500.3	710.3	110.7
77.5°	1644.4	1765.4	2056.1	2900.2	3921.9	3831.8	3147.3	1631.5	617.6	229.0	74.6
80°	913.6	988.2	1206.9	1852.8	2570.8	2226.0	1616.1	640.8	244.5	141.5	72.1
82.5°	344.8	357.7	440.1	594.5	797.8	746.3	532.7	368.0	162.1	79.8	23.2
85°	234.2	244.5	272.8	277.9	283.1	275.4	280.5	329.4	120.9	33.5	12.9
87.5°	139.0	146.7	162.1	154.4	151.8	146.7	180.1	321.7	41.2	10.3	2.6
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°	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8
2.5°	710.3	710.3	692.2	700.0	687.1	674.2	671.7	663.9	661.4	661.4	645.9
5°	702.5	697.4	671.7	658.8	638.2	622.8	602.2	586.7	584.2	573.9	563.6
7.5°	676.8	682.0	656.2	625.3	586.7	553.3	514.7	491.5	481.2	470.9	460.6
10°	669.1	661.4	643.4	591.9	535.3	481.2	440.1	396.3	370.6	357.7	355.1
12.5°	663.9	651.1	604.7	545.6	476.1	411.7	352.6	303.7	267.6	254.8	247.0
15°	661.4	653.6	573.9	499.2	422.0	342.3	280.5	226.5	187.9	175.0	169.8
17.5°	674.2	643.4	548.1	458.1	362.8	275.4	216.2	159.6	133.8	118.4	115.8
20°	663.9	638.2	525.0	411.7	298.5	208.4	157.0	118.4	97.8	92.6	90.1
22.5°	671.7	625.3	496.7	362.8	244.5	164.7	118.4	95.2	84.9	79.8	77.2
25°	676.8	615.0	463.2	308.8	195.6	131.2	95.2	79.8	72.1	69.5	66.9
27.5°	705.1	625.3	434.9	257.3	151.8	105.5	79.8	69.5	64.3	61.8	59.2
30°	700.0	625.3	398.9	213.6	120.9	82.3	69.5	59.2	56.6	51.5	51.5
32.5°	728.3	622.8	360.3	175.0	92.6	66.9	54.0	48.9	48.9	43.7	43.7
35°	751.4	612.5	314.0	133.8	64.3	46.3	36.0	33.5	30.9	28.3	28.3
37.5°	777.2	625.3	272.8	95.2	41.2	25.7	20.6	15.4	15.4	12.9	12.9
40°	836.4	638.2	229.0	66.9	23.2	12.9	2.6	2.6	2.6	0.0	0.0
42.5°	900.7	658.8	195.6	43.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	988.2	687.1	164.7	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1070.5	733.4	141.5	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1173.5	761.7	126.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1273.8	795.2	110.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1343.3	828.6	92.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1410.2	849.2	77.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1454.0	828.6	48.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1430.8	761.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1297.0	599.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	975.3	319.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	499.2	64.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	123.5	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°	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.7	33.5	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	25.7	36.0	12.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.0	28.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	18.0	5.1	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)