

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: P565419

Luminaire Tested: **IFLD-L-SA7A-AMB-U-SL3-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565419  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-AMB-U-SL3-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ SL3 distribution lens and House Side Shield  
Light Source: (112) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

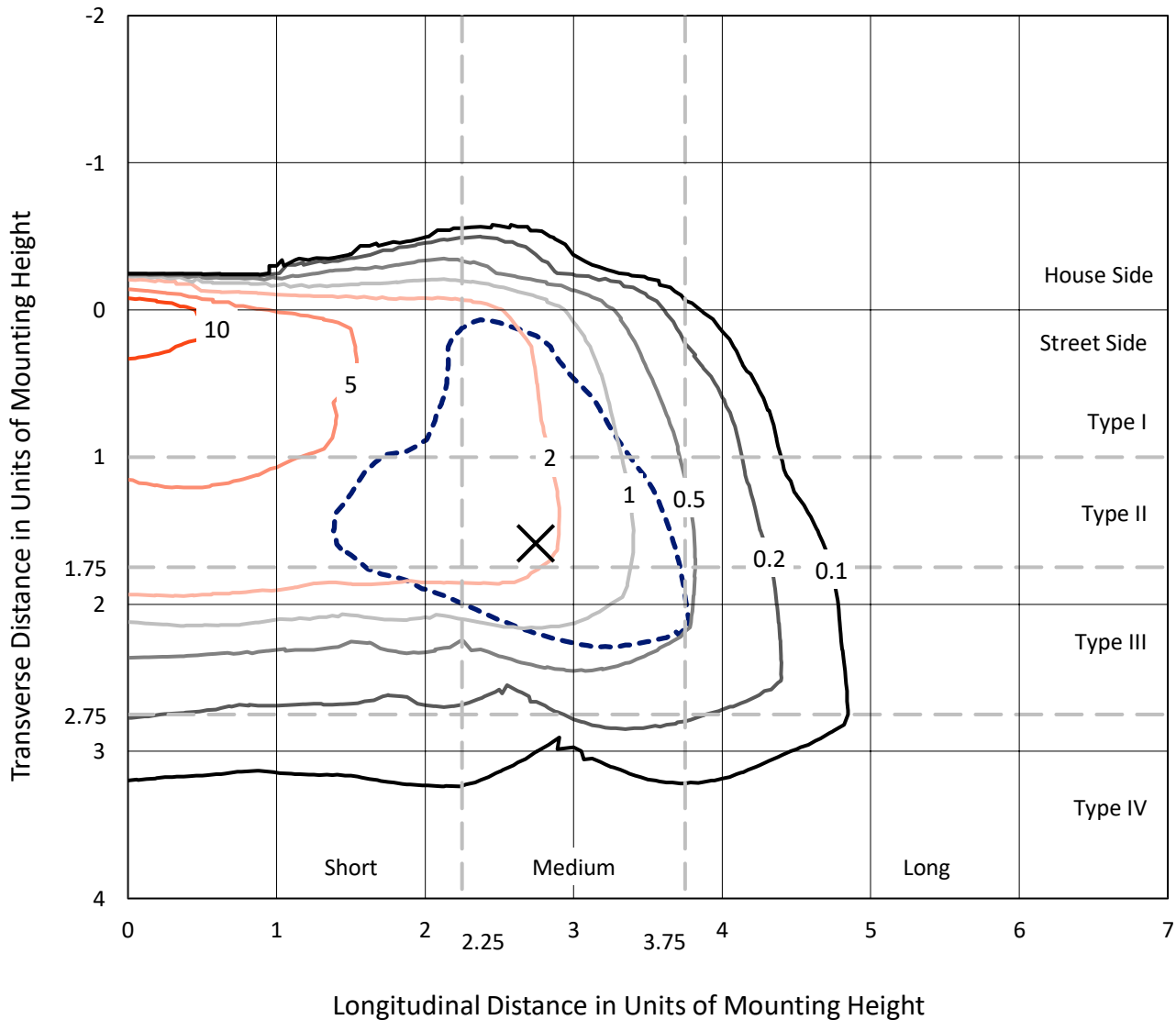
Lumens per Lamp: N/A  
Luminaire Lumens: 6223.3 lumens  
Efficiency: N/A  
Efficacy: 44.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5  
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

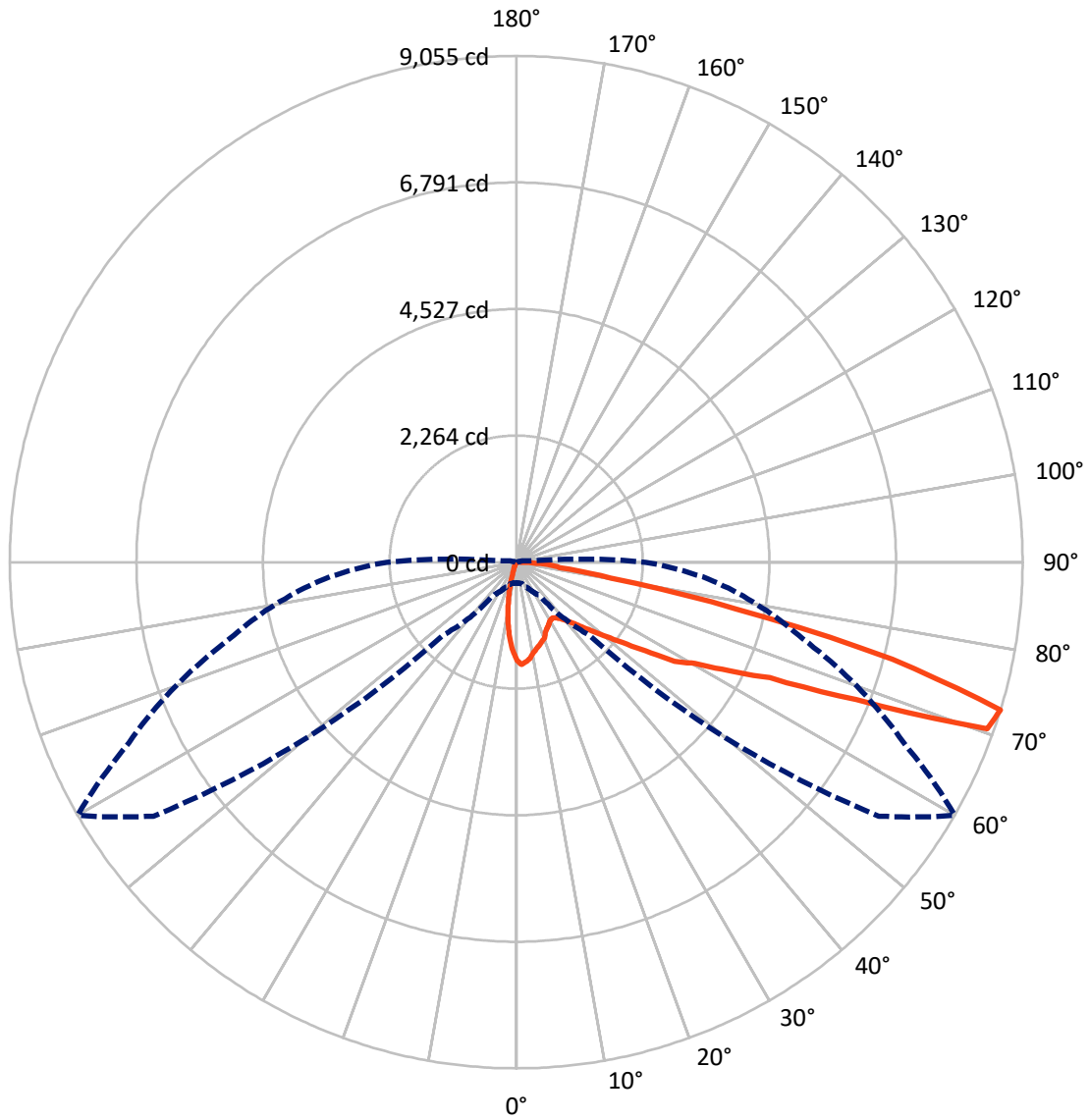
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 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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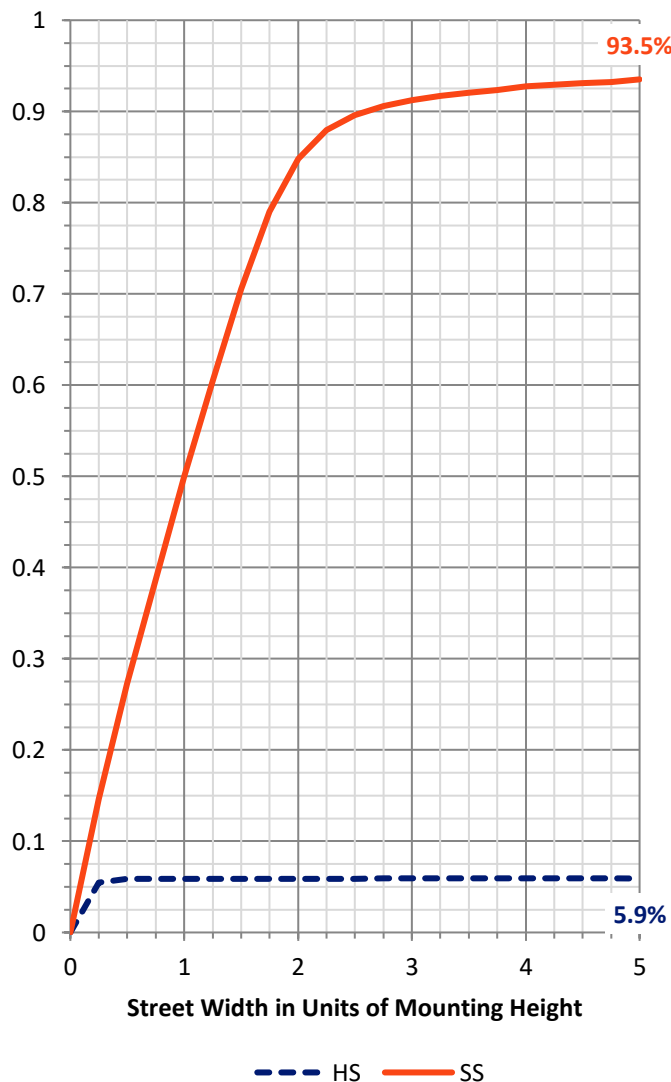
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	370.2	0.0	370.2
	% Fixture	5.9	0.0	5.9
<b>Street Side</b>	Lumens	5853.2	0.0	5853.2
	% Fixture	94.1	0.0	94.1
<b>Total</b>	Lumens	6223.3	0.0	6223.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	2.1
10°-20°	253.0	4.1
20°-30°	327.7	5.3
30°-40°	448.6	7.2
40°-50°	717.1	11.5
50°-60°	1246.3	20.0
60°-70°	1848.6	29.7
70°-80°	1142.8	18.4
80°-90°	106.8	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°	6223.3	100.0
0°-180°	6223.3	100.0

**Coefficient of Utilization**

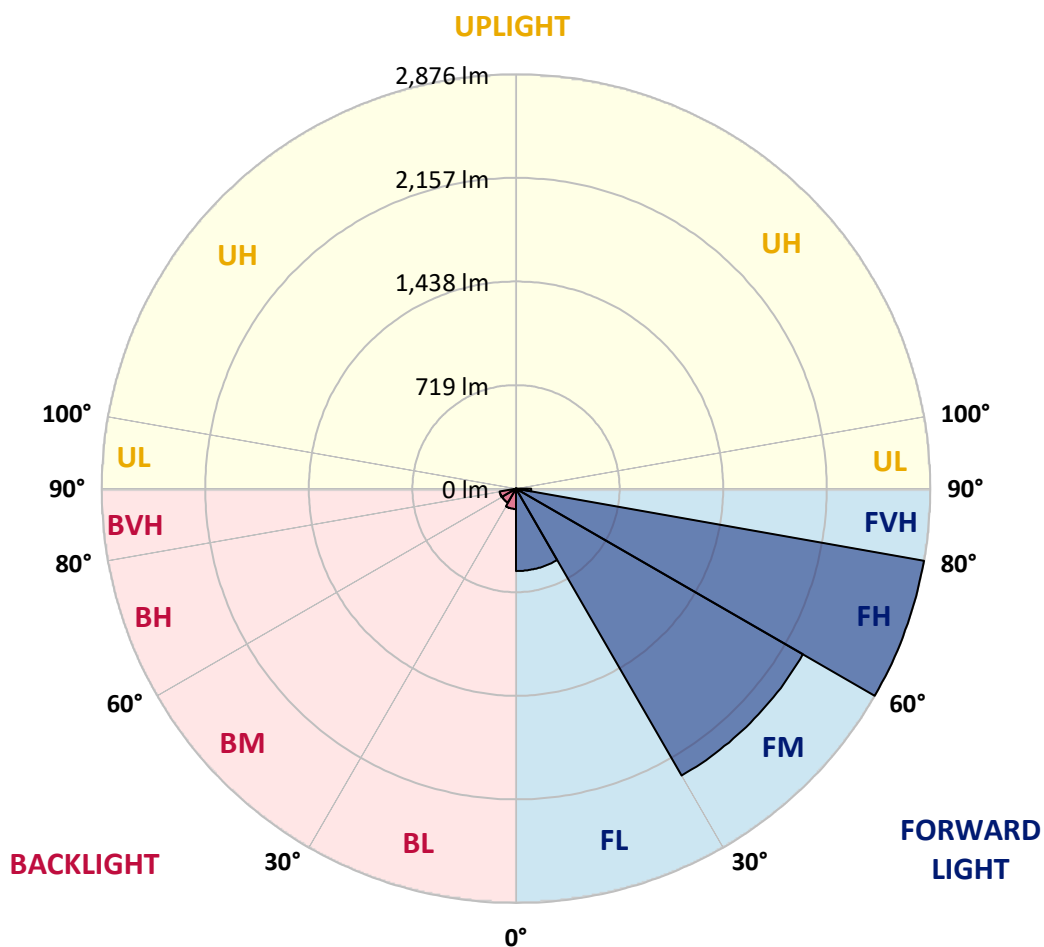


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.2	9.2			
FM (30°-60°)	2299.5	36.9			
FH (60°-80°)	2876.1	46.2			G2/5000
FVH (80°-90°)	105.3	1.7			G2/225
BL (0°-30°)	140.9	2.3	B1/500		
BM (30°-60°)	112.5	1.8	B0/220		
BH (60°-80°)	115.2	1.9	B1/500		G1/500
BVH (80°-90°)	1.5	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5
2.5°	1872.6	1848.6	1868.6	1868.6	1848.6	1824.6	1852.6	1836.6	1820.6	1784.5	1744.5
5°	1724.5	1748.5	1768.5	1768.5	1772.5	1792.6	1816.6	1796.6	1832.6	1792.6	1732.5
7.5°	1600.5	1616.5	1640.5	1656.5	1676.5	1688.5	1736.5	1740.5	1740.5	1752.5	1732.5
10°	1424.4	1452.4	1456.4	1488.5	1572.5	1600.5	1644.5	1656.5	1672.5	1716.5	1672.5
12.5°	1320.4	1344.4	1348.4	1388.4	1432.4	1512.5	1548.5	1592.5	1624.5	1684.5	1644.5
15°	1232.4	1232.4	1252.4	1280.4	1324.4	1408.4	1520.5	1544.5	1576.5	1648.5	1628.5
17.5°	1148.4	1148.4	1164.4	1184.4	1248.4	1324.4	1432.4	1488.5	1524.5	1644.5	1592.5
20°	1124.3	1108.3	1112.3	1120.3	1176.4	1268.4	1364.4	1448.4	1484.5	1616.5	1548.5
22.5°	1120.3	1092.3	1084.3	1092.3	1112.3	1156.4	1276.4	1344.4	1440.4	1620.5	1532.5
25°	1104.3	1096.3	1096.3	1076.3	1084.3	1128.3	1204.4	1296.4	1416.4	1632.5	1504.5
27.5°	1124.3	1132.3	1124.3	1100.3	1096.3	1088.3	1152.4	1248.4	1356.4	1648.5	1472.5
30°	1160.4	1160.4	1168.4	1132.3	1104.3	1072.3	1124.3	1204.4	1320.4	1684.5	1444.4
32.5°	1204.4	1216.4	1216.4	1184.4	1144.4	1080.3	1128.3	1192.4	1300.4	1700.5	1436.4
35°	1288.4	1292.4	1284.4	1272.4	1208.4	1144.4	1156.4	1220.4	1320.4	1760.5	1448.4
37.5°	1372.4	1360.4	1376.4	1372.4	1316.4	1236.4	1232.4	1280.4	1356.4	1804.6	1504.5
40°	1464.4	1460.4	1468.5	1480.5	1428.4	1364.4	1324.4	1368.4	1448.4	1884.6	1548.5
42.5°	1564.5	1560.5	1564.5	1620.5	1588.5	1504.5	1452.4	1488.5	1568.5	2016.6	1660.5
45°	1624.5	1640.5	1680.5	1744.5	1760.5	1648.5	1624.5	1648.5	1688.5	2168.7	1844.6
47.5°	1676.5	1712.5	1768.5	1852.6	1944.6	1872.6	1820.6	1852.6	1892.6	2340.7	2040.6
50°	1824.6	1844.6	1944.6	2032.6	2144.7	2136.7	2108.6	2100.6	2136.7	2540.8	2248.7
52.5°	2072.6	2076.6	2140.7	2244.7	2348.7	2444.8	2444.8	2380.7	2404.7	2792.9	2516.8
55°	2292.7	2328.7	2412.7	2444.8	2588.8	2760.8	2864.9	2804.9	2744.8	3024.9	2848.9
57.5°	2508.8	2568.8	2644.8	2752.8	2836.9	2980.9	3353.0	3341.0	3129.0	3325.0	3076.9
60°	2568.8	2580.8	2840.9	3101.0	3301.0	3433.1	3773.2	3677.1	3441.1	3425.1	3249.0
62.5°	2160.7	2212.7	2560.8	3024.9	3721.1	4305.3	4373.3	4277.3	3733.1	3661.1	3553.1
65°	1200.4	1284.4	1644.5	2428.7	3481.1	5069.6	5305.6	4981.5	4233.3	4189.3	4413.4
67.5°	764.2	752.2	828.3	1212.4	2372.7	5133.6	7126.2	6558.0	5461.7	5261.6	5305.6
70°	520.2	508.2	512.2	676.2	1140.4	3833.2	8418.6	8930.7	7202.2	5833.8	4861.5
72.5°	380.1	372.1	400.1	520.2	724.2	1844.6	7918.4	9054.8	7646.3	5305.6	3449.1
75°	252.1	256.1	308.1	444.1	696.2	832.3	5525.7	6946.1	5993.8	3505.1	1424.4
77.5°	140.0	148.0	212.1	364.1	632.2	684.2	2772.9	4013.2	3028.9	1140.4	288.1
80°	64.0	64.0	108.0	260.1	544.2	616.2	1124.3	1716.5	980.3	212.1	84.0
82.5°	28.0	28.0	48.0	140.0	388.1	560.2	744.2	776.2	352.1	80.0	52.0
85°	4.0	4.0	16.0	72.0	200.1	380.1	636.2	564.2	232.1	36.0	32.0
87.5°	0.0	0.0	4.0	16.0	60.0	124.0	304.1	224.1	88.0	16.0	12.0
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°	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5	1756.5
2.5°	1744.5	1724.5	1676.5	1620.5	1572.5	1532.5	1484.5	1448.4	1416.4	1404.4	1372.4
5°	1684.5	1660.5	1556.5	1424.4	1344.4	1236.4	1140.4	1060.3	1012.3	988.3	948.3
7.5°	1632.5	1576.5	1420.4	1236.4	1068.3	896.3	756.2	632.2	540.2	508.2	524.2
10°	1588.5	1496.5	1268.4	1012.3	776.2	552.2	344.1	188.1	100.0	80.0	88.0
12.5°	1544.5	1420.4	1120.3	800.2	488.1	208.1	64.0	0.0	0.0	0.0	0.0
15°	1492.5	1340.4	964.3	592.2	224.1	40.0	0.0	0.0	0.0	0.0	0.0
17.5°	1460.4	1280.4	816.3	388.1	64.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	1404.4	1172.4	676.2	184.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	1336.4	1100.3	536.2	64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	1284.4	1024.3	372.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	1268.4	944.3	216.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1212.4	872.3	96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1180.4	796.2	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1144.4	736.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1148.4	672.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1184.4	612.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1268.4	556.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1364.4	520.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1528.5	508.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1680.5	520.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1920.6	560.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2168.7	636.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2372.7	680.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2512.8	724.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2932.9	936.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3757.2	1180.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4181.3	1156.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3585.1	740.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2316.7	248.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	732.2	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	140.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.0	16.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	32.0	12.0	8.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0
85°	24.0	4.0	4.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0
87.5°	12.0	4.0	4.0	4.0	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)