

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: P565417

Luminaire Tested: **IFLD-S-SA6A-AMB-U-SL3-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565417
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-SL3-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL3 distribution lens and House Side Shield
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

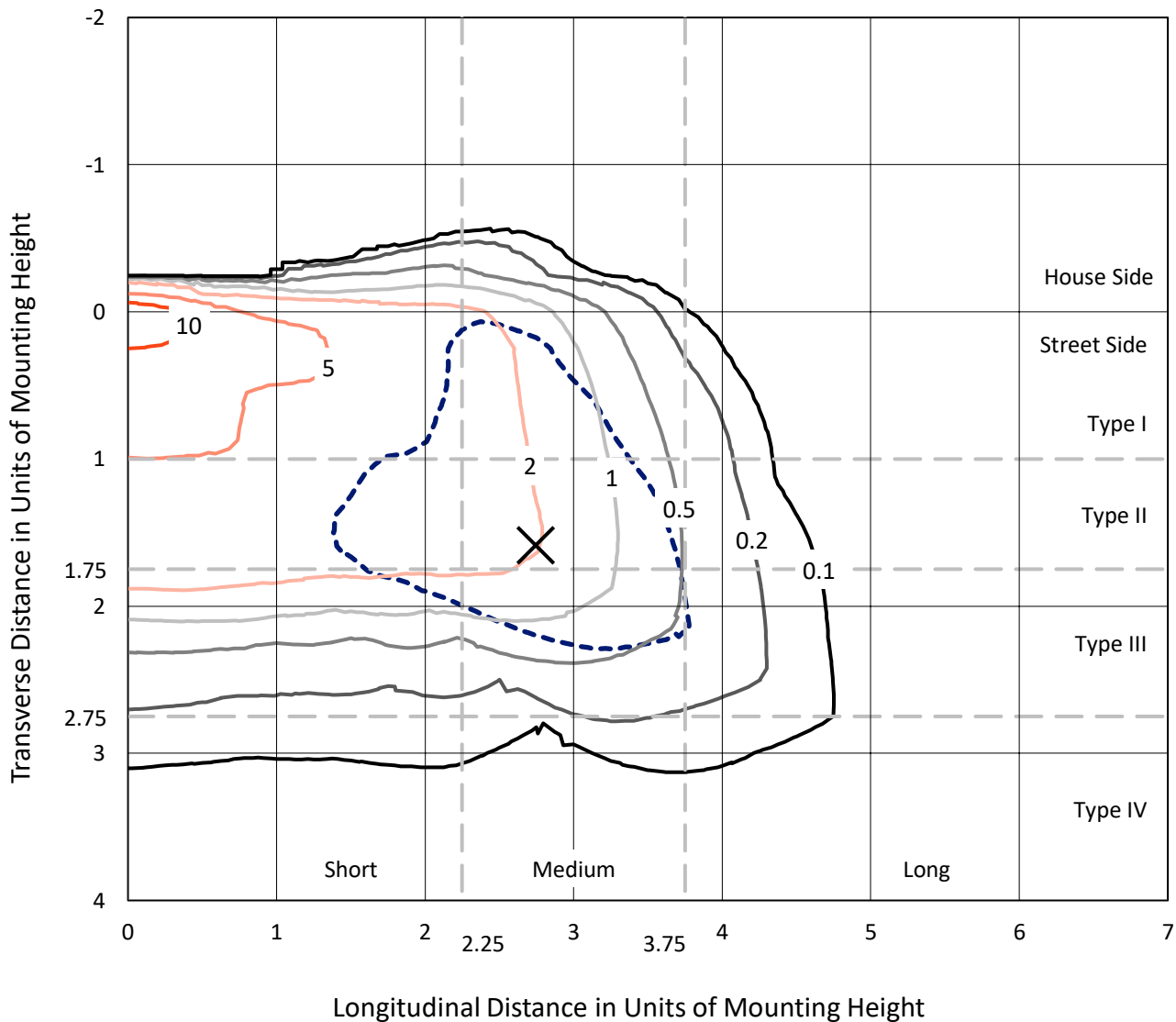
Lumens per Lamp: N/A
Luminaire Lumens: 5366.3 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4
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

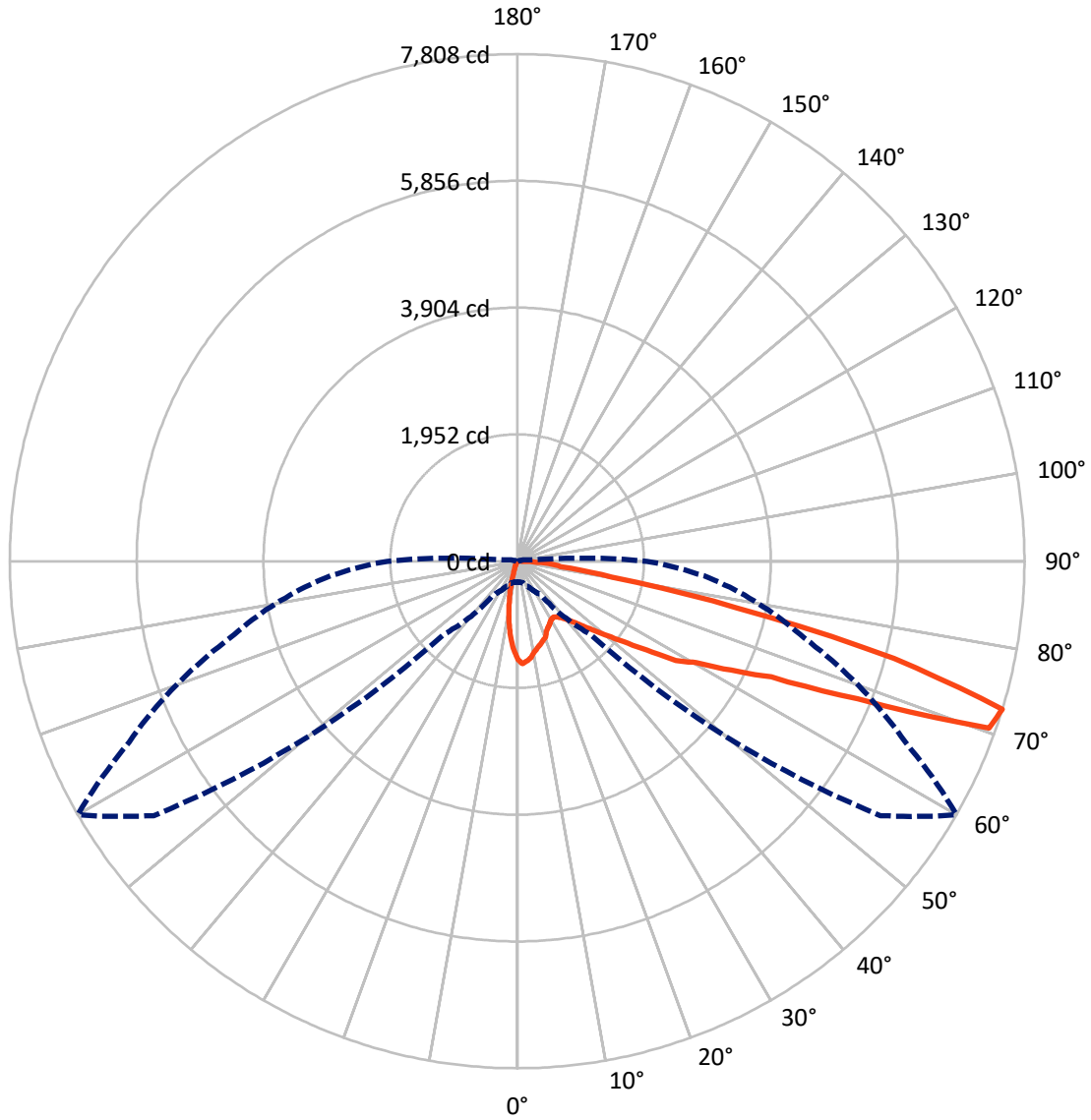
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 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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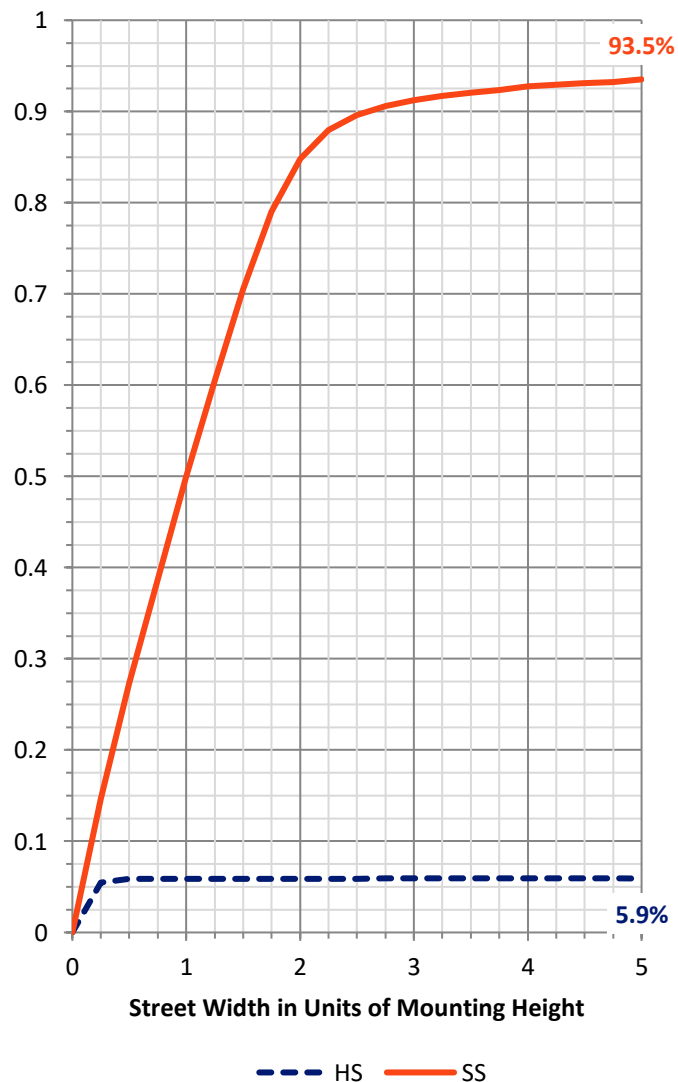
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.2	0.0	319.2
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	5047.1	0.0	5047.1
	% Fixture	94.1	0.0	94.1
Total	Lumens	5366.3	0.0	5366.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	2.1
10°-20°	218.2	4.1
20°-30°	282.5	5.3
30°-40°	386.9	7.2
40°-50°	618.3	11.5
50°-60°	1074.6	20.0
60°-70°	1594.0	29.7
70°-80°	985.4	18.4
80°-90°	92.1	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°	5366.3	100.0
0°-180°	5366.3	100.0

Coefficient of Utilization

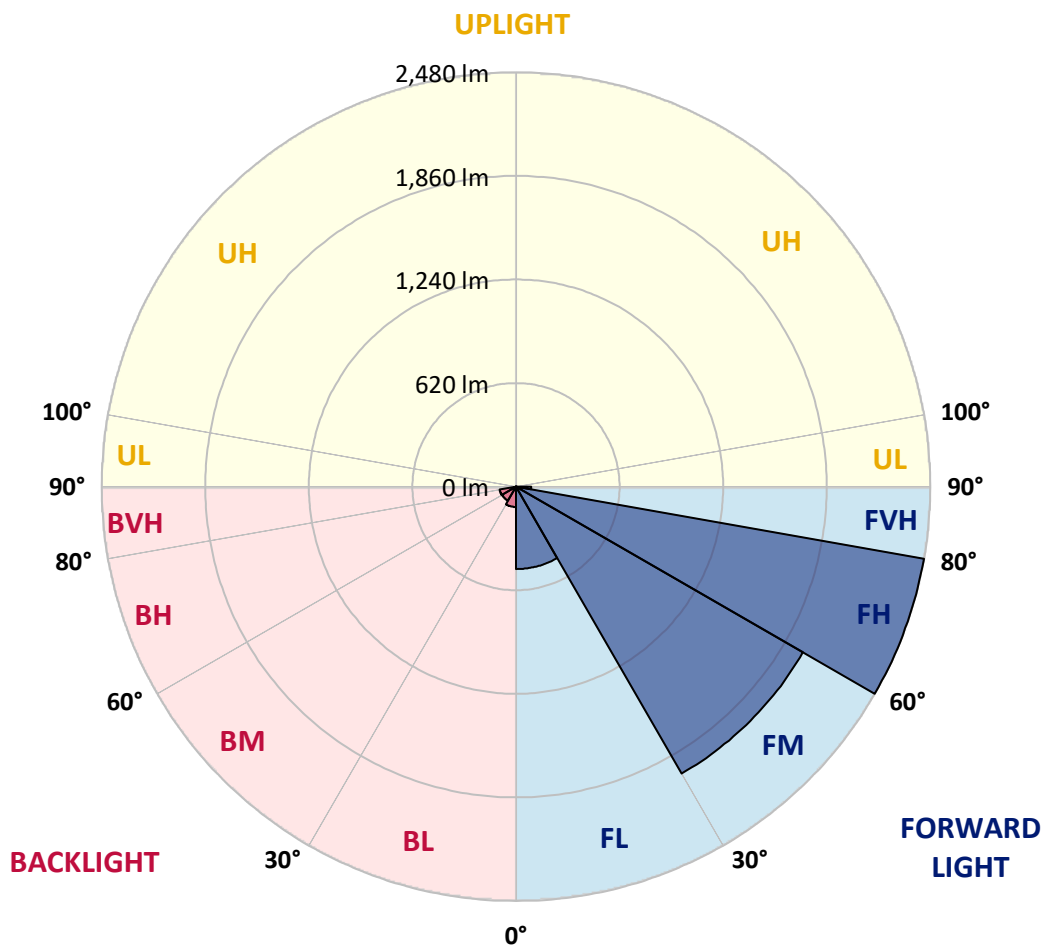


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.4	9.2			
FM (30°-60°)	1982.8	36.9			
FH (60°-80°)	2480.1	46.2			G2/5000
FVH (80°-90°)	90.8	1.7			G1/100
BL (0°-30°)	121.5	2.3	B1/500		
BM (30°-60°)	97.0	1.8	B0/220		
BH (60°-80°)	99.4	1.9	B0/110		G0/110
BVH (80°-90°)	1.3	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°	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6
2.5°	1614.7	1594.0	1611.2	1611.2	1594.0	1573.3	1597.4	1583.6	1569.8	1538.8	1504.3
5°	1487.0	1507.7	1525.0	1525.0	1528.4	1545.7	1566.4	1549.1	1580.2	1545.7	1493.9
7.5°	1380.1	1393.9	1414.6	1428.4	1445.6	1456.0	1497.4	1500.8	1500.8	1511.2	1493.9
10°	1228.3	1252.4	1255.9	1283.5	1355.9	1380.1	1418.0	1428.4	1442.2	1480.1	1442.2
12.5°	1138.6	1159.3	1162.7	1197.2	1235.2	1304.2	1335.2	1373.2	1400.8	1452.5	1418.0
15°	1062.7	1062.7	1079.9	1104.1	1142.0	1214.5	1311.1	1331.8	1359.4	1421.5	1404.2
17.5°	990.2	990.2	1004.0	1021.3	1076.5	1142.0	1235.2	1283.5	1314.5	1418.0	1373.2
20°	969.5	955.7	959.2	966.1	1014.4	1093.7	1176.5	1249.0	1280.0	1393.9	1335.2
22.5°	966.1	941.9	935.0	941.9	959.2	997.1	1100.6	1159.3	1242.1	1397.3	1321.4
25°	952.3	945.4	945.4	928.1	935.0	973.0	1038.5	1117.9	1221.4	1407.7	1297.3
27.5°	969.5	976.4	969.5	948.8	945.4	938.5	993.7	1076.5	1169.6	1421.5	1269.7
30°	1000.6	1000.6	1007.5	976.4	952.3	924.7	969.5	1038.5	1138.6	1452.5	1245.5
32.5°	1038.5	1048.9	1048.9	1021.3	986.8	931.6	973.0	1028.2	1121.3	1466.3	1238.6
35°	1111.0	1114.4	1107.5	1097.2	1042.0	986.8	997.1	1052.3	1138.6	1518.1	1249.0
37.5°	1183.4	1173.1	1186.9	1183.4	1135.1	1066.1	1062.7	1104.1	1169.6	1556.0	1297.3
40°	1262.8	1259.3	1266.2	1276.6	1231.7	1176.5	1142.0	1180.0	1249.0	1625.0	1335.2
42.5°	1349.0	1345.6	1349.0	1397.3	1369.7	1297.3	1252.4	1283.5	1352.5	1738.9	1431.8
45°	1400.8	1414.6	1449.1	1504.3	1518.1	1421.5	1400.8	1421.5	1456.0	1870.0	1590.5
47.5°	1445.6	1476.7	1525.0	1597.4	1676.8	1614.7	1569.8	1597.4	1631.9	2018.4	1759.6
50°	1573.3	1590.5	1676.8	1752.7	1849.3	1842.4	1818.3	1811.4	1842.4	2190.9	1939.0
52.5°	1787.2	1790.7	1845.9	1935.6	2025.3	2108.1	2108.1	2052.9	2073.6	2408.2	2170.2
55°	1977.0	2008.0	2080.5	2108.1	2232.3	2380.6	2470.3	2418.6	2366.8	2608.3	2456.5
57.5°	2163.3	2215.0	2280.6	2373.7	2446.2	2570.4	2891.3	2880.9	2698.1	2867.1	2653.2
60°	2215.0	2225.4	2449.6	2673.9	2846.4	2960.3	3253.5	3170.7	2967.2	2953.4	2801.6
62.5°	1863.1	1908.0	2208.1	2608.3	3208.7	3712.4	3771.1	3688.3	3219.0	3156.9	3063.8
65°	1035.1	1107.5	1418.0	2094.3	3001.7	4371.4	4575.0	4295.5	3650.3	3612.4	3805.6
67.5°	659.0	648.6	714.2	1045.4	2046.0	4426.6	6144.8	5654.9	4709.5	4537.0	4575.0
70°	448.5	438.2	441.6	583.1	983.3	3305.3	7259.2	7700.8	6210.4	5030.4	4192.0
72.5°	327.8	320.9	345.0	448.5	624.5	1590.5	6827.9	7807.8	6593.3	4575.0	2974.1
75°	217.4	220.8	265.7	383.0	600.3	717.6	4764.7	5989.5	5168.4	3022.4	1228.3
77.5°	120.8	127.7	182.9	314.0	545.1	590.0	2391.0	3460.5	2611.8	983.3	248.4
80°	55.2	55.2	93.2	224.3	469.2	531.3	969.5	1480.1	845.3	182.9	72.5
82.5°	24.2	24.2	41.4	120.8	334.7	483.0	641.7	669.3	303.6	69.0	44.9
85°	3.5	3.5	13.8	62.1	172.5	327.8	548.6	486.5	200.1	31.1	27.6
87.5°	0.0	0.0	3.5	13.8	51.8	107.0	262.2	193.2	75.9	13.8	10.4
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°	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6
2.5°	1504.3	1487.0	1445.6	1397.3	1355.9	1321.4	1280.0	1249.0	1221.4	1211.0	1183.4
5°	1452.5	1431.8	1342.1	1228.3	1159.3	1066.1	983.3	914.3	872.9	852.2	817.7
7.5°	1407.7	1359.4	1224.8	1066.1	921.2	772.8	652.1	545.1	465.8	438.2	452.0
10°	1369.7	1290.4	1093.7	872.9	669.3	476.1	296.7	162.2	86.3	69.0	75.9
12.5°	1331.8	1224.8	966.1	690.0	420.9	179.4	55.2	0.0	0.0	0.0	0.0
15°	1286.9	1155.8	831.5	510.6	193.2	34.5	0.0	0.0	0.0	0.0	0.0
17.5°	1259.3	1104.1	703.8	334.7	55.2	0.0	0.0	0.0	0.0	0.0	0.0
20°	1211.0	1010.9	583.1	158.7	6.9	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	1152.4	948.8	462.3	55.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	1107.5	883.3	320.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	1093.7	814.2	186.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1045.4	752.1	82.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1017.8	686.6	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	986.8	634.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	990.2	579.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1021.3	527.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1093.7	479.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1176.5	448.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1318.0	438.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1449.1	448.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1656.1	483.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1870.0	548.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2046.0	586.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2166.7	624.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2529.0	807.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3239.7	1017.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3605.5	997.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3091.4	638.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1997.7	213.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	631.4	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	120.8	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	48.3	13.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.6	10.4	6.9	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0
85°	20.7	3.5	3.5	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0
87.5°	10.4	3.5	3.5	3.5	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)