

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: P565428

Luminaire Tested: **IFLD-L-SA8A-AMB-U-SL4-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565428
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-SL4-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL4 distribution lens and House Side Shield
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

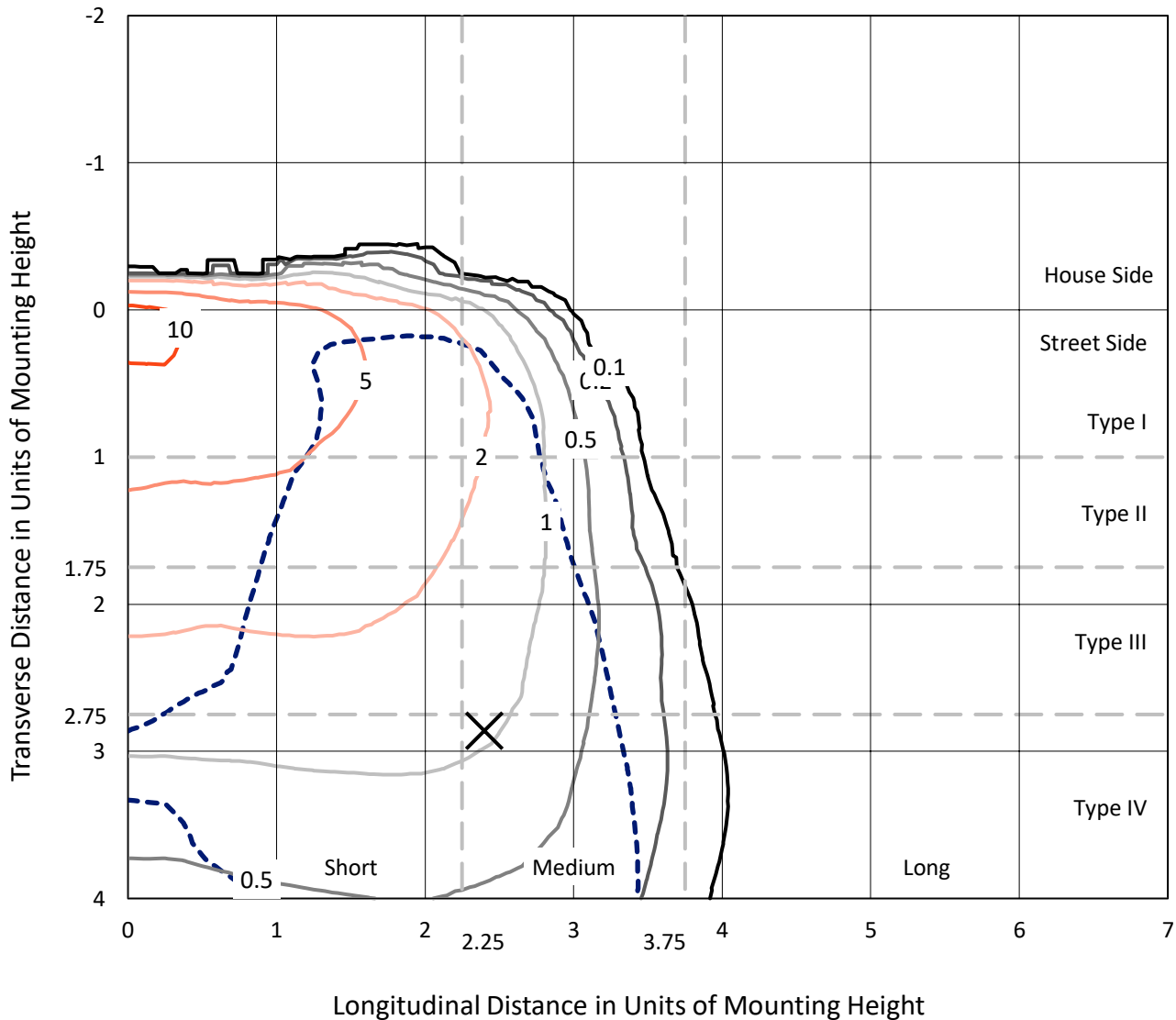
Lumens per Lamp: N/A
Luminaire Lumens: 6729.2 lumens
Efficiency: N/A
Efficacy: 42.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 160
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

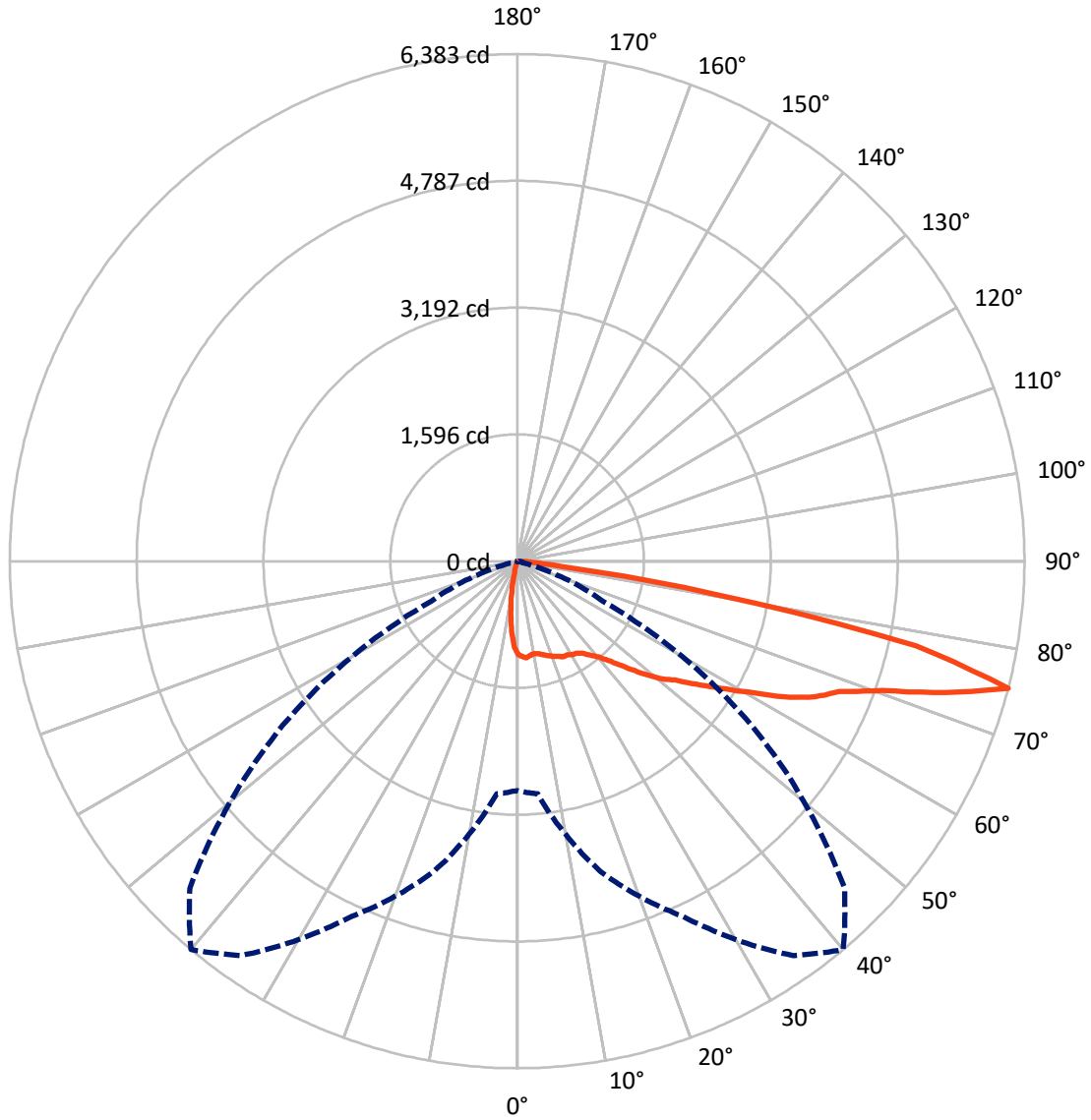
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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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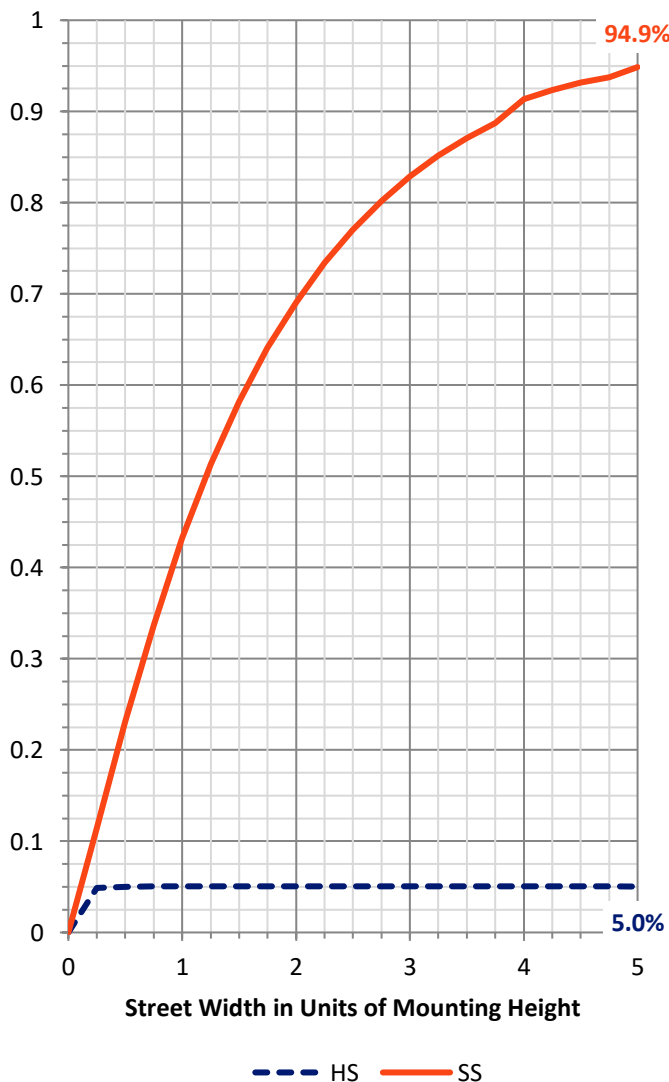
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	340.1	0.0	340.1
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	6389.1	0.0	6389.1
	% Fixture	94.9	0.0	94.9
Total	Lumens	6729.2	0.0	6729.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.4
10°-20°	218.1	3.2
20°-30°	340.9	5.1
30°-40°	501.8	7.5
40°-50°	813.7	12.1
50°-60°	1288.4	19.1
60°-70°	1797.6	26.7
70°-80°	1522.0	22.6
80°-90°	152.0	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°	6729.2	100.0
0°-180°	6729.2	100.0

Coefficient of Utilization

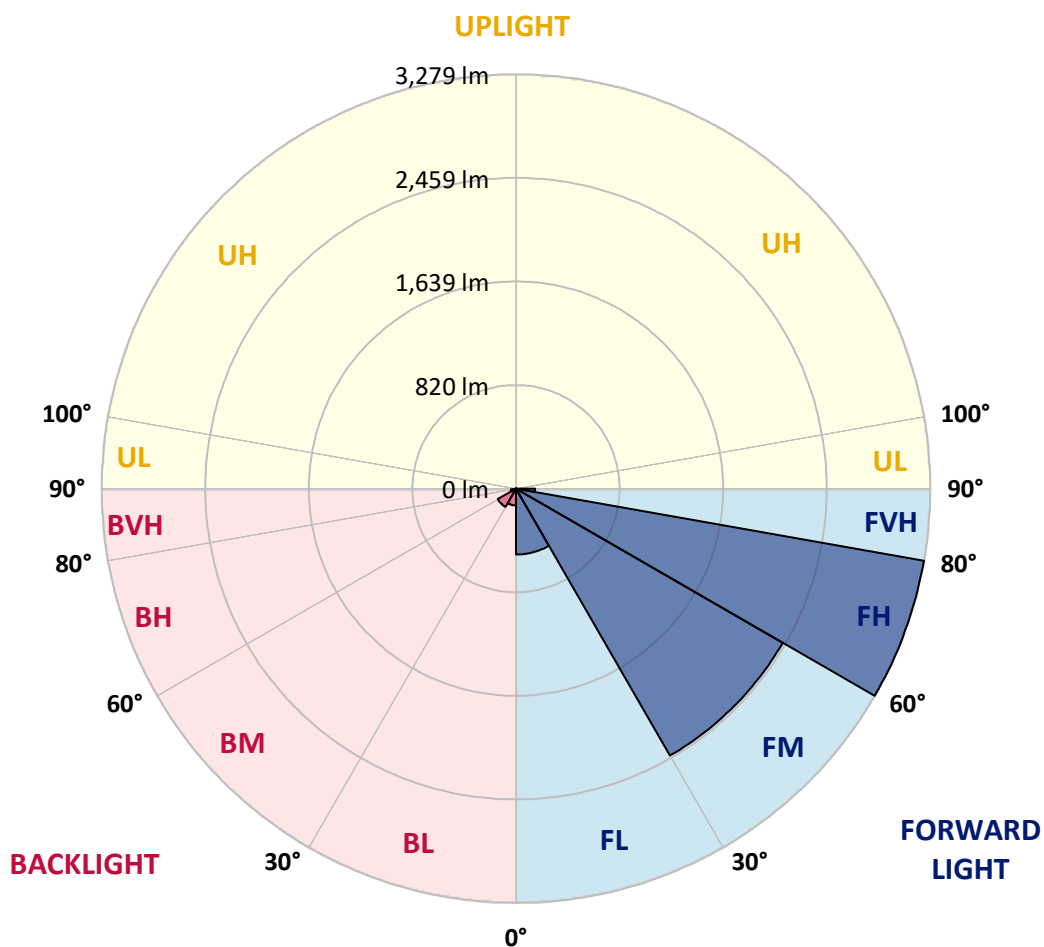


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	521.1	7.7			
FM (30°-60°)	2437.7	36.2			
FH (60°-80°)	3278.6	48.7			G2/5000
FVH (80°-90°)	151.7	2.3			G2/225
BL (0°-30°)	132.7	2.0	B1/500		
BM (30°-60°)	166.1	2.5	B0/220		
BH (60°-80°)	41.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1
2.5°	1232.6	1209.7	1218.9	1209.7	1196.0	1200.6	1191.4	1196.0	1196.0	1200.6	1182.2
5°	1209.7	1218.9	1232.6	1205.2	1196.0	1223.5	1200.6	1209.7	1186.8	1163.9	1163.9
7.5°	1182.2	1205.2	1205.2	1191.4	1200.6	1196.0	1196.0	1177.7	1177.7	1154.7	1131.8
10°	1159.3	1173.1	1173.1	1186.8	1186.8	1182.2	1186.8	1163.9	1159.3	1141.0	1127.3
12.5°	1136.4	1150.2	1173.1	1177.7	1200.6	1196.0	1200.6	1173.1	1173.1	1168.5	1122.7
15°	1159.3	1141.0	1168.5	1205.2	1214.3	1223.5	1232.6	1214.3	1196.0	1182.2	1131.8
17.5°	1163.9	1154.7	1177.7	1228.1	1228.1	1251.0	1260.1	1241.8	1196.0	1173.1	1136.4
20°	1200.6	1186.8	1205.2	1260.1	1264.7	1278.5	1278.5	1269.3	1223.5	1196.0	1168.5
22.5°	1223.5	1214.3	1223.5	1287.6	1301.4	1301.4	1296.8	1283.1	1241.8	1228.1	1191.4
25°	1278.5	1278.5	1269.3	1315.1	1324.3	1333.5	1324.3	1283.1	1237.2	1255.6	1214.3
27.5°	1296.8	1319.7	1306.0	1328.9	1342.6	1338.0	1338.0	1287.6	1237.2	1260.1	1251.0
30°	1379.3	1370.1	1347.2	1379.3	1365.5	1365.5	1351.8	1296.8	1283.1	1319.7	1287.6
32.5°	1457.2	1434.3	1411.4	1397.6	1374.7	1379.3	1379.3	1347.2	1306.0	1406.8	1370.1
35°	1535.1	1503.0	1493.8	1470.9	1406.8	1425.1	1429.7	1383.9	1374.7	1470.9	1438.9
37.5°	1603.8	1580.9	1553.4	1516.8	1484.7	1503.0	1489.3	1438.9	1470.9	1631.3	1548.8
40°	1645.1	1654.2	1622.1	1640.5	1594.7	1585.5	1599.2	1567.2	1599.2	1800.9	1704.6
42.5°	1741.3	1718.4	1718.4	1695.5	1709.2	1723.0	1736.7	1718.4	1796.3	2030.0	1920.0
45°	1764.2	1768.8	1777.9	1819.2	1851.3	1901.7	1933.7	1851.3	2007.1	2332.4	2162.9
47.5°	1851.3	1846.7	1828.4	1947.5	2025.4	2103.3	2149.1	2075.8	2245.3	2598.2	2414.9
50°	1965.8	1920.0	1887.9	2080.4	2199.5	2318.7	2327.8	2318.7	2515.7	2928.1	2648.6
52.5°	2025.4	2011.6	1965.8	2213.3	2382.8	2488.2	2602.8	2556.9	2841.0	3276.4	2831.9
55°	2153.7	2135.4	2057.5	2392.0	2593.6	2731.1	2854.8	2882.3	3143.5	3560.5	2941.9
57.5°	2382.8	2286.6	2208.7	2547.8	2854.8	3015.2	3161.8	3230.5	3482.6	3652.1	3024.3
60°	2575.3	2469.9	2428.6	2731.1	3152.6	3345.1	3491.7	3597.1	3652.1	3730.0	3143.5
62.5°	2754.0	2657.8	2598.2	3010.6	3542.1	3762.1	3862.9	3798.8	3730.0	3876.7	3244.3
65°	2827.3	2831.9	2786.1	3303.9	3950.0	4119.5	4147.0	3972.9	3936.2	4092.0	3248.9
67.5°	2987.7	2992.3	2992.3	3615.5	4357.8	4376.1	4389.9	4302.8	4293.6	4252.4	2951.0
70°	3120.6	3171.0	3308.4	3963.7	4719.8	4871.0	4981.0	4797.7	4371.5	3578.8	1681.7
72.5°	3308.4	3326.8	3684.2	4376.1	5278.8	5645.4	5815.0	5086.4	3271.8	1635.9	224.5
75°	2886.9	2941.9	4041.6	4935.2	6062.4	6383.2	5824.1	3597.1	1191.4	87.1	0.0
77.5°	1269.3	1443.4	3047.3	4719.8	5553.8	5132.2	3835.4	1475.5	151.2	0.0	0.0
80°	586.5	627.8	966.9	2515.7	2996.8	2529.4	1608.4	527.0	87.1	0.0	0.0
82.5°	417.0	417.0	467.4	604.9	705.7	577.4	417.0	375.8	68.7	0.0	0.0
85°	73.3	68.7	274.9	357.4	288.7	192.5	192.5	439.9	41.2	18.3	18.3
87.5°	0.0	0.0	45.8	160.4	137.5	64.2	87.1	160.4	4.6	9.2	9.2
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°	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1
2.5°	1173.1	1177.7	1136.4	1127.3	1095.2	1090.6	1053.9	1026.4	1021.9	1003.5	1012.7
5°	1136.4	1122.7	1099.8	1031.0	966.9	911.9	852.3	811.1	783.6	742.3	760.7
7.5°	1113.5	1095.2	1031.0	944.0	834.0	710.3	614.0	527.0	481.1	453.7	453.7
10°	1090.6	1076.8	980.6	838.6	659.9	499.5	357.4	242.9	183.3	137.5	151.2
12.5°	1095.2	1053.9	930.2	737.8	504.1	284.1	128.3	55.0	36.7	27.5	22.9
15°	1113.5	1049.4	884.4	614.0	329.9	100.8	27.5	18.3	13.7	13.7	13.7
17.5°	1113.5	1053.9	820.2	476.6	160.4	22.9	9.2	9.2	9.2	9.2	4.6
20°	1118.1	1058.5	769.8	339.1	50.4	4.6	0.0	0.0	0.0	0.0	0.0
22.5°	1136.4	1053.9	682.8	197.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0
25°	1141.0	1040.2	600.3	77.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	1159.3	1017.3	504.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1196.0	1008.1	394.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1223.5	1021.9	270.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1273.9	1008.1	128.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1347.2	1012.7	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1461.8	1040.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1599.2	1095.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1768.8	1141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1938.3	1177.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2098.7	1218.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2236.2	1191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2304.9	1067.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2300.3	925.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2337.0	769.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2369.1	554.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2263.7	265.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1741.3	36.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	705.7	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°	22.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.2	4.6	4.6	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)