

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: P565425

Luminaire Tested: **IFLD-S-SA6A-AMB-U-SL4-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565425
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-SL4-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL4 distribution lens and House Side Shield
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

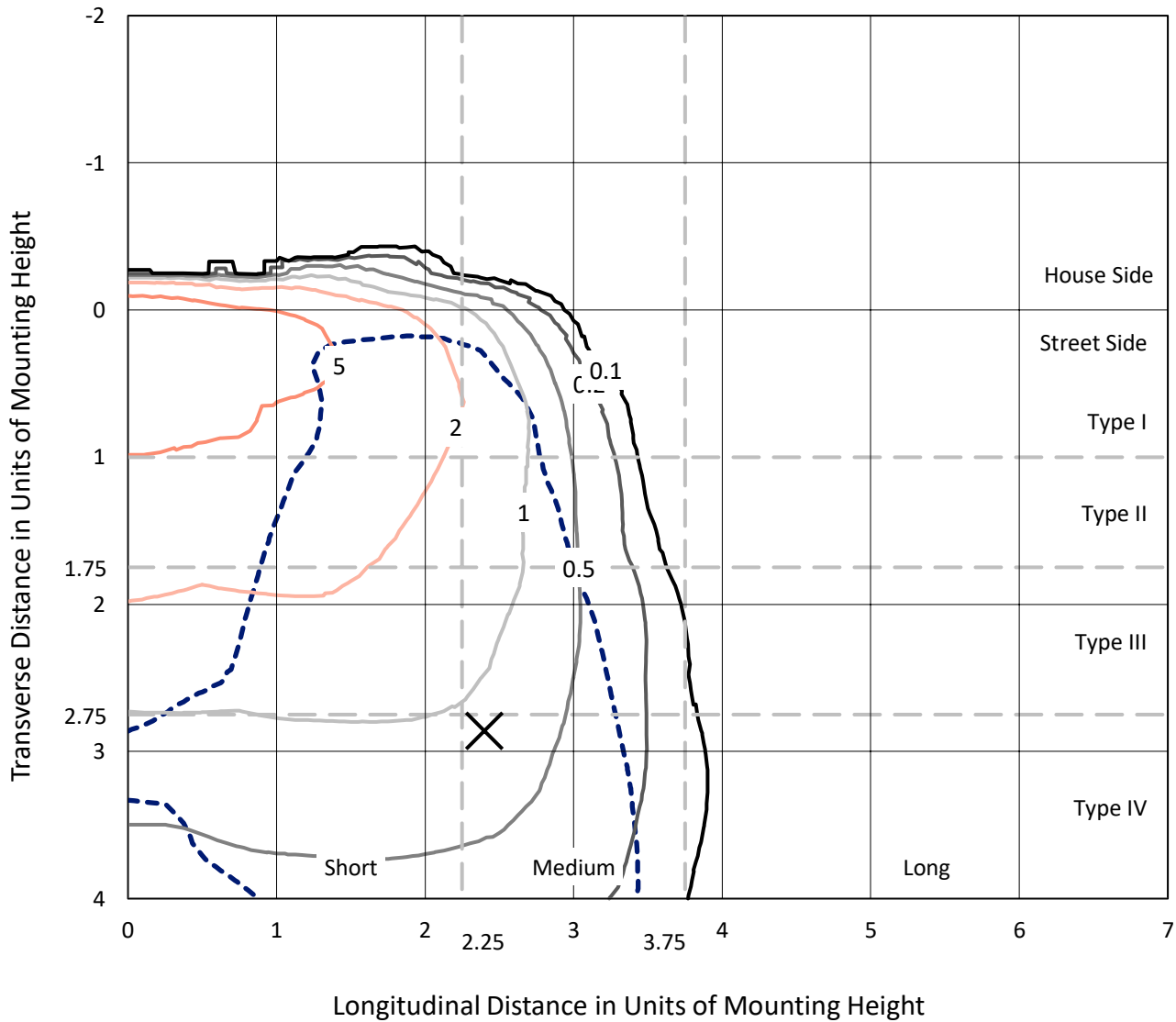
Lumens per Lamp: N/A
Luminaire Lumens: 5301.8 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G2

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

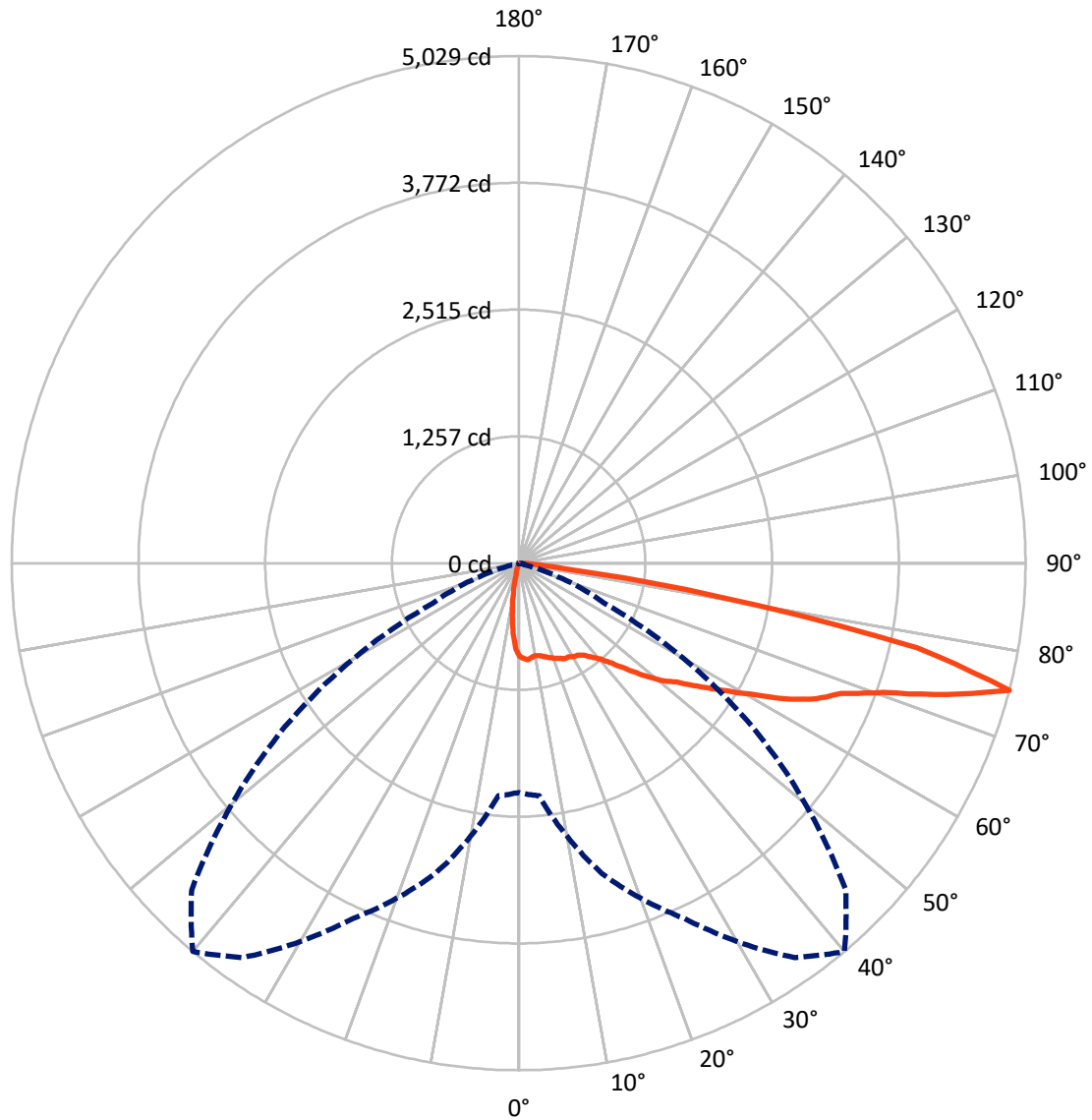
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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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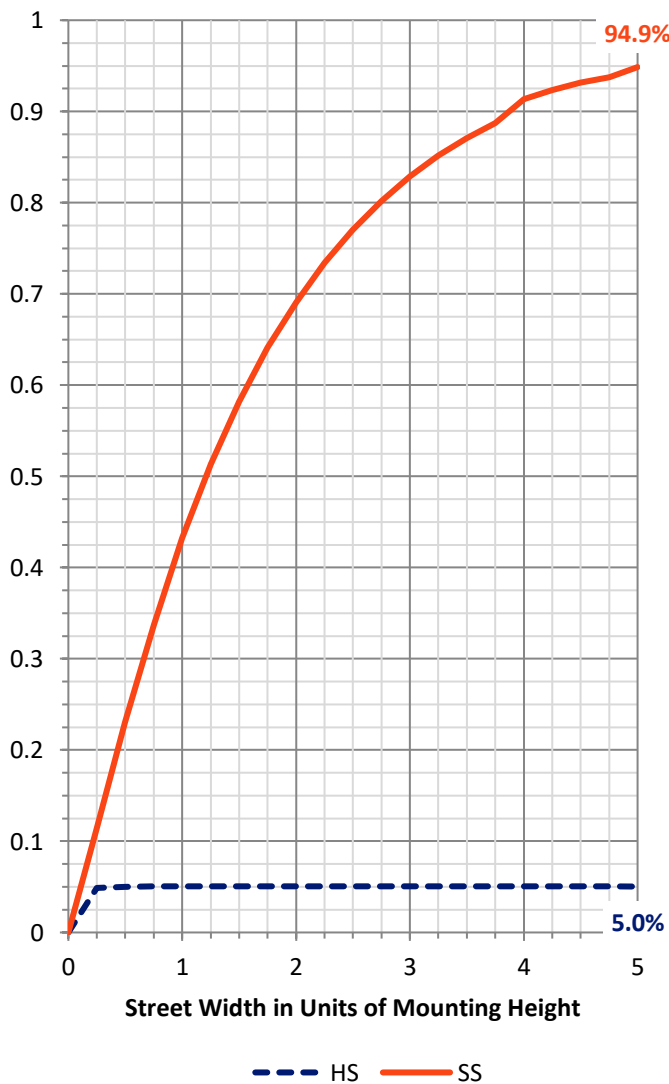
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	268.0	0.0	268.0
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	5033.9	0.0	5033.9
	% Fixture	94.9	0.0	94.9
Total	Lumens	5301.8	0.0	5301.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	1.4
10°-20°	171.8	3.2
20°-30°	268.6	5.1
30°-40°	395.4	7.5
40°-50°	641.1	12.1
50°-60°	1015.1	19.1
60°-70°	1416.3	26.7
70°-80°	1199.2	22.6
80°-90°	119.7	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°	5301.8	100.0
0°-180°	5301.8	100.0

Coefficient of Utilization

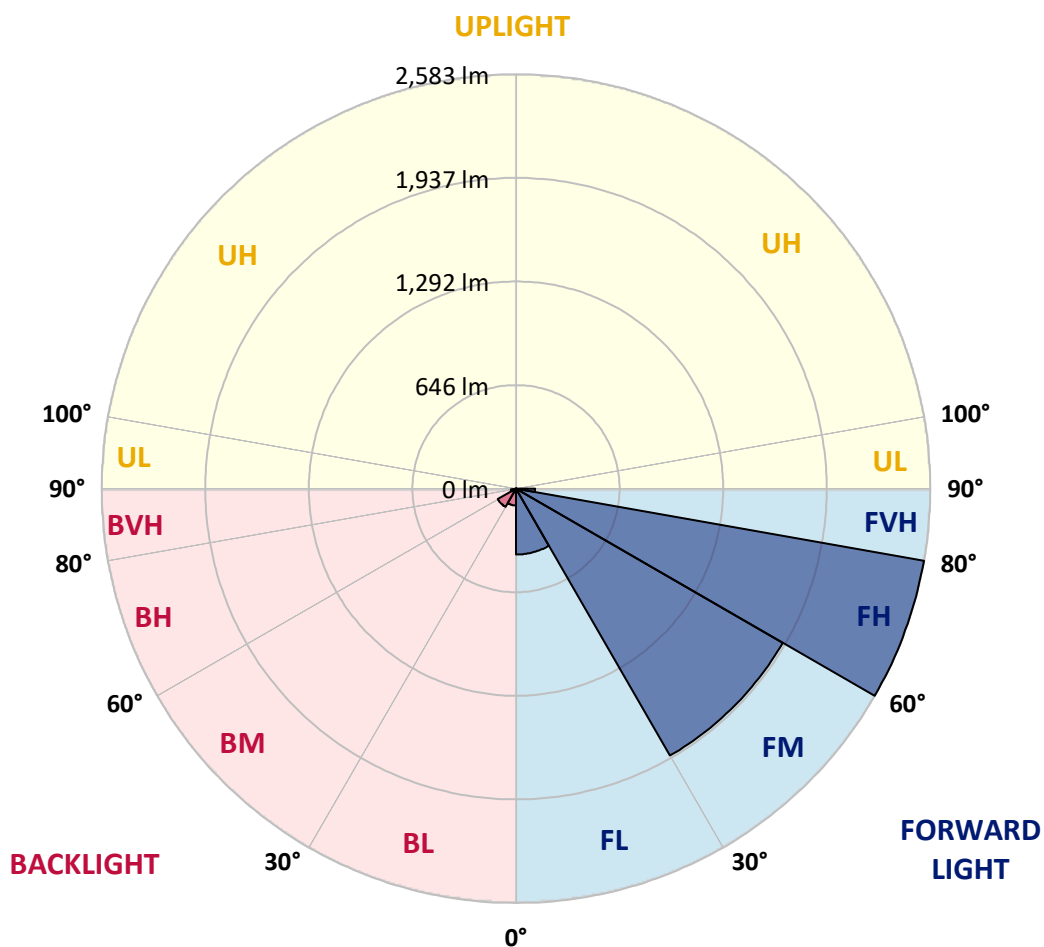


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.6	7.7			
FM (30°-60°)	1920.6	36.2			
FH (60°-80°)	2583.2	48.7			G2/5000
FVH (80°-90°)	119.5	2.3			G2/225
BL (0°-30°)	104.5	2.0	B0/110		
BM (30°-60°)	130.9	2.5	B0/220		
BH (60°-80°)	32.3	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-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2
2.5°	971.2	953.1	960.4	953.1	942.3	945.9	938.7	942.3	942.3	945.9	931.5
5°	953.1	960.4	971.2	949.5	942.3	964.0	945.9	953.1	935.1	917.0	917.0
7.5°	931.5	949.5	949.5	938.7	945.9	942.3	942.3	927.9	927.9	909.8	891.8
10°	913.4	924.2	924.2	935.1	935.1	931.5	935.1	917.0	913.4	899.0	888.1
12.5°	895.4	906.2	924.2	927.9	945.9	942.3	945.9	924.2	924.2	920.6	884.5
15°	913.4	899.0	920.6	949.5	956.7	964.0	971.2	956.7	942.3	931.5	891.8
17.5°	917.0	909.8	927.9	967.6	967.6	985.6	992.8	978.4	942.3	924.2	895.4
20°	945.9	935.1	949.5	992.8	996.5	1007.3	1007.3	1000.1	964.0	942.3	920.6
22.5°	964.0	956.7	964.0	1014.5	1025.3	1025.3	1021.7	1010.9	978.4	967.6	938.7
25°	1007.3	1007.3	1000.1	1036.2	1043.4	1050.6	1043.4	1010.9	974.8	989.2	956.7
27.5°	1021.7	1039.8	1028.9	1047.0	1057.8	1054.2	1054.2	1014.5	974.8	992.8	985.6
30°	1086.7	1079.5	1061.4	1086.7	1075.9	1075.9	1065.1	1021.7	1010.9	1039.8	1014.5
32.5°	1148.1	1130.0	1112.0	1101.2	1083.1	1086.7	1086.7	1061.4	1028.9	1108.4	1079.5
35°	1209.5	1184.2	1177.0	1158.9	1108.4	1122.8	1126.4	1090.3	1083.1	1158.9	1133.6
37.5°	1263.6	1245.6	1223.9	1195.0	1169.8	1184.2	1173.4	1133.6	1158.9	1285.3	1220.3
40°	1296.1	1303.3	1278.1	1292.5	1256.4	1249.2	1260.0	1234.7	1260.0	1418.9	1343.0
42.5°	1371.9	1353.9	1353.9	1335.8	1346.7	1357.5	1368.3	1353.9	1415.3	1599.4	1512.7
45°	1390.0	1393.6	1400.8	1433.3	1458.6	1498.3	1523.6	1458.6	1581.3	1837.7	1704.1
47.5°	1458.6	1455.0	1440.5	1534.4	1595.8	1657.1	1693.3	1635.5	1769.1	2047.1	1902.7
50°	1548.8	1512.7	1487.5	1639.1	1733.0	1826.8	1834.1	1826.8	1982.1	2307.0	2086.8
52.5°	1595.8	1584.9	1548.8	1743.8	1877.4	1960.4	2050.7	2014.6	2238.4	2581.4	2231.2
55°	1696.9	1682.4	1621.0	1884.6	2043.5	2151.8	2249.2	2270.9	2476.7	2805.2	2317.8
57.5°	1877.4	1801.6	1740.2	2007.4	2249.2	2375.6	2491.1	2545.3	2743.9	2877.4	2382.8
60°	2029.0	1946.0	1913.5	2151.8	2483.9	2635.6	2751.1	2834.1	2877.4	2938.8	2476.7
62.5°	2169.8	2094.0	2047.1	2372.0	2790.8	2964.1	3043.5	2993.0	2938.8	3054.4	2556.1
65°	2227.6	2231.2	2195.1	2603.1	3112.1	3245.7	3267.4	3130.2	3101.3	3224.0	2559.7
67.5°	2353.9	2357.6	2357.6	2848.6	3433.4	3447.9	3458.7	3390.1	3382.9	3350.4	2325.1
70°	2458.6	2498.4	2606.7	3122.9	3718.7	3837.8	3924.4	3780.0	3444.3	2819.7	1325.0
72.5°	2606.7	2621.1	2902.7	3447.9	4159.1	4447.9	4581.5	4007.5	2577.8	1288.9	176.9
75°	2274.5	2317.8	3184.3	3888.3	4776.5	5029.2	4588.7	2834.1	938.7	68.6	0.0
77.5°	1000.1	1137.3	2400.9	3718.7	4375.7	4043.6	3021.9	1162.5	119.1	0.0	0.0
80°	462.1	494.6	761.8	1982.1	2361.2	1992.9	1267.2	415.2	68.6	0.0	0.0
82.5°	328.5	328.5	368.3	476.6	556.0	454.9	328.5	296.0	54.2	0.0	0.0
85°	57.8	54.2	216.6	281.6	227.5	151.6	151.6	346.6	32.5	14.4	14.4
87.5°	0.0	0.0	36.1	126.4	108.3	50.5	68.6	126.4	3.6	7.2	7.2
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°	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2
2.5°	924.2	927.9	895.4	888.1	862.9	859.3	830.4	808.7	805.1	790.7	797.9
5°	895.4	884.5	866.5	812.3	761.8	718.5	671.5	639.0	617.4	584.9	599.3
7.5°	877.3	862.9	812.3	743.7	657.1	559.6	483.8	415.2	379.1	357.4	357.4
10°	859.3	848.4	772.6	660.7	519.9	393.5	281.6	191.3	144.4	108.3	119.1
12.5°	862.9	830.4	732.9	581.3	397.1	223.8	101.1	43.3	28.9	21.7	18.1
15°	877.3	826.8	696.8	483.8	259.9	79.4	21.7	14.4	10.8	10.8	10.8
17.5°	877.3	830.4	646.3	375.5	126.4	18.1	7.2	7.2	7.2	7.2	3.6
20°	880.9	834.0	606.5	267.2	39.7	3.6	0.0	0.0	0.0	0.0	0.0
22.5°	895.4	830.4	537.9	155.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
25°	899.0	819.5	473.0	61.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	913.4	801.5	397.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	942.3	794.3	310.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	964.0	805.1	213.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1003.7	794.3	101.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1061.4	797.9	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1151.7	819.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1260.0	862.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1393.6	899.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1527.2	927.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1653.5	960.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1761.8	938.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1816.0	841.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1812.4	729.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1841.3	606.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1866.5	436.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1783.5	209.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1371.9	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	556.0	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°	18.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	3.6	3.6	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)