

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: P565420

Luminaire Tested: **IFLD-L-SA8A-AMB-U-SL3-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565420
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-SL3-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL3 distribution lens and House Side Shield
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

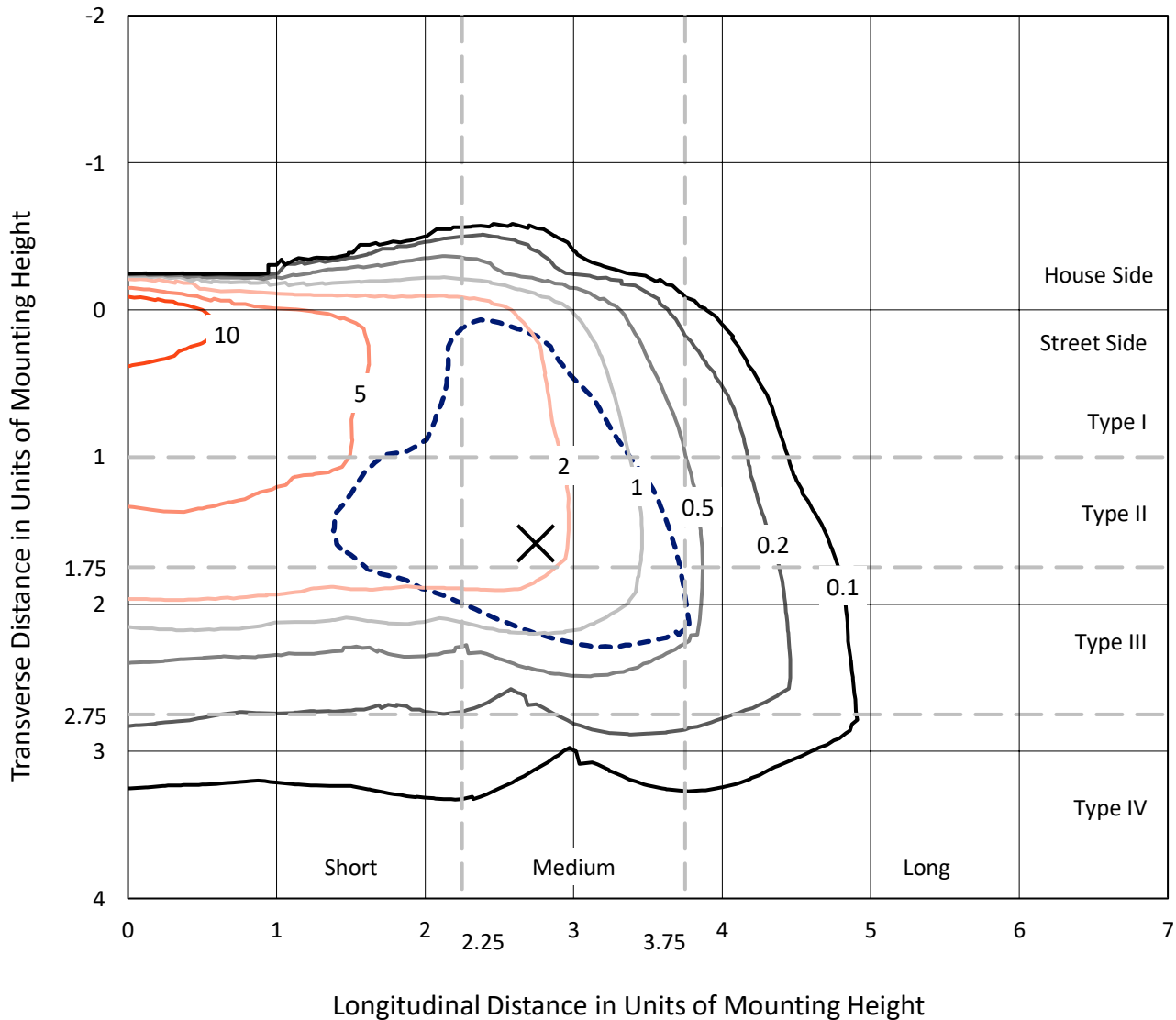
Lumens per Lamp: N/A
Luminaire Lumens: 6811 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

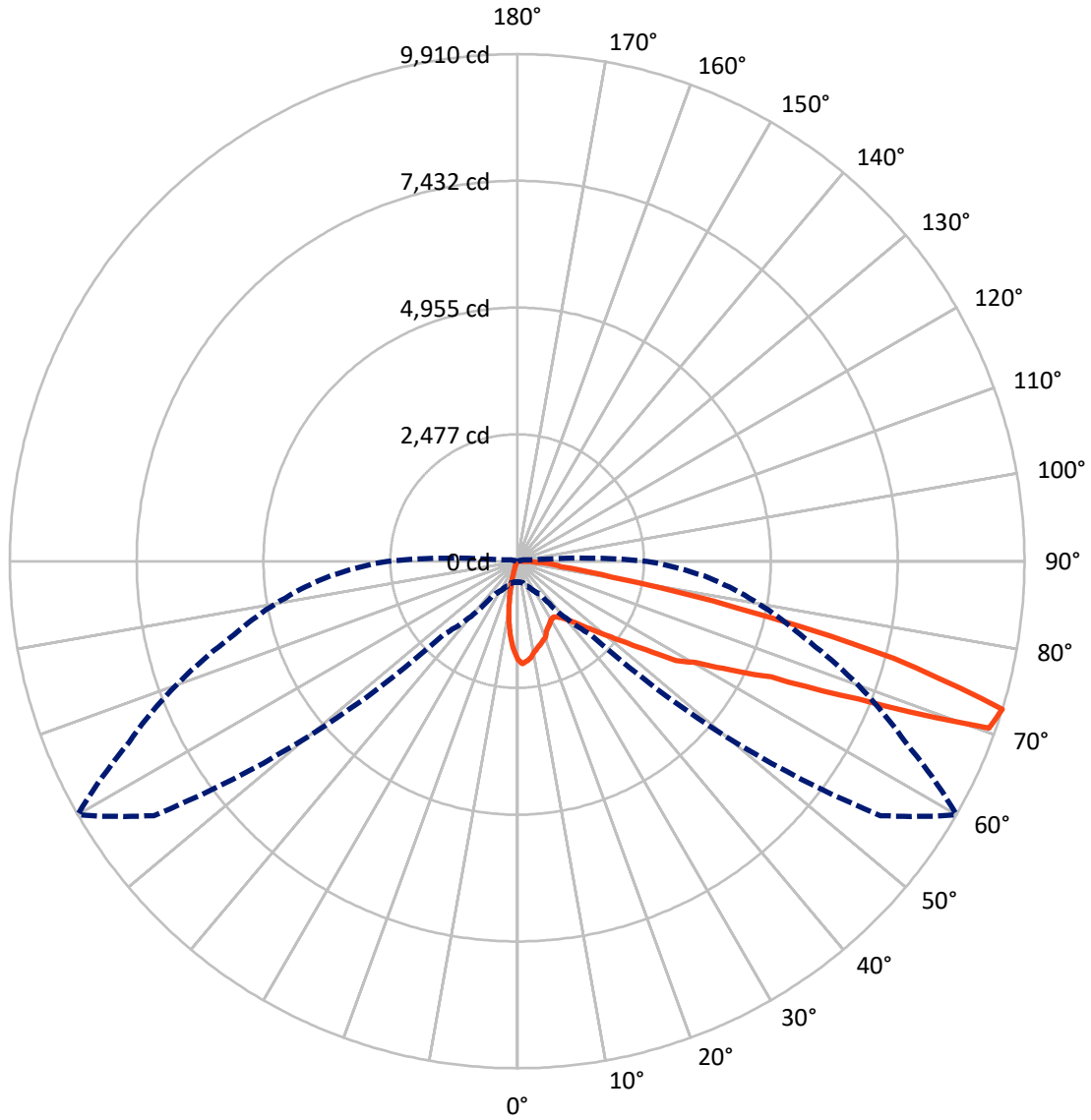
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 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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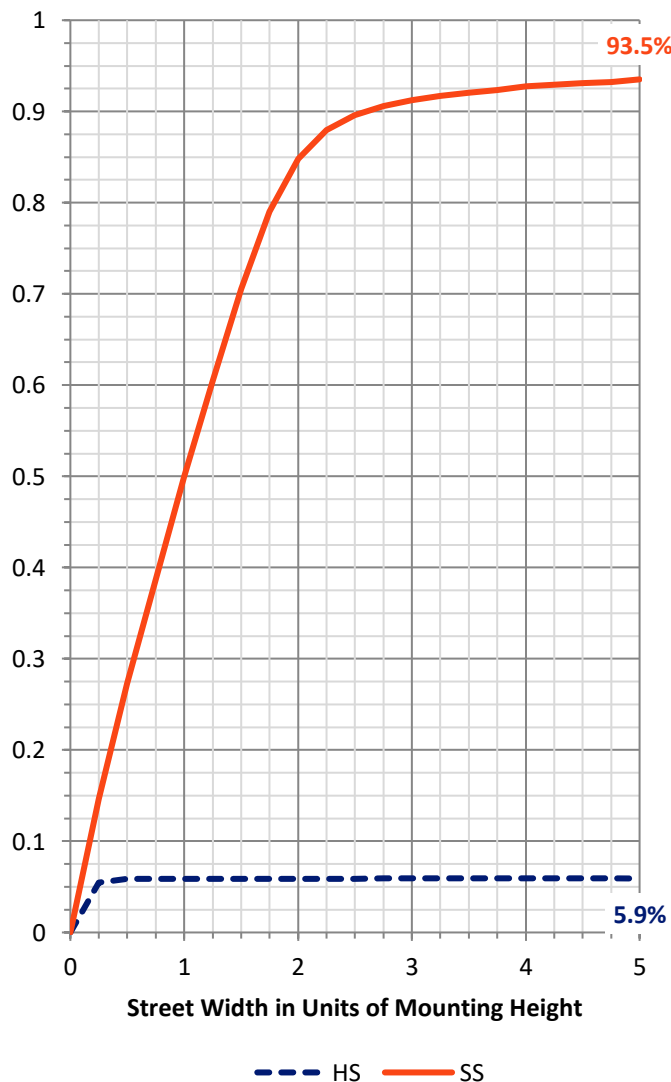
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.1	0.0	405.1
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	6405.9	0.0	6405.9
	% Fixture	94.1	0.0	94.1
Total	Lumens	6811.0	0.0	6811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	2.1
10°-20°	276.9	4.1
20°-30°	358.6	5.3
30°-40°	491.0	7.2
40°-50°	784.8	11.5
50°-60°	1363.9	20.0
60°-70°	2023.2	29.7
70°-80°	1250.7	18.4
80°-90°	116.9	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°	6811.0	100.0
0°-180°	6811.0	100.0

Coefficient of Utilization

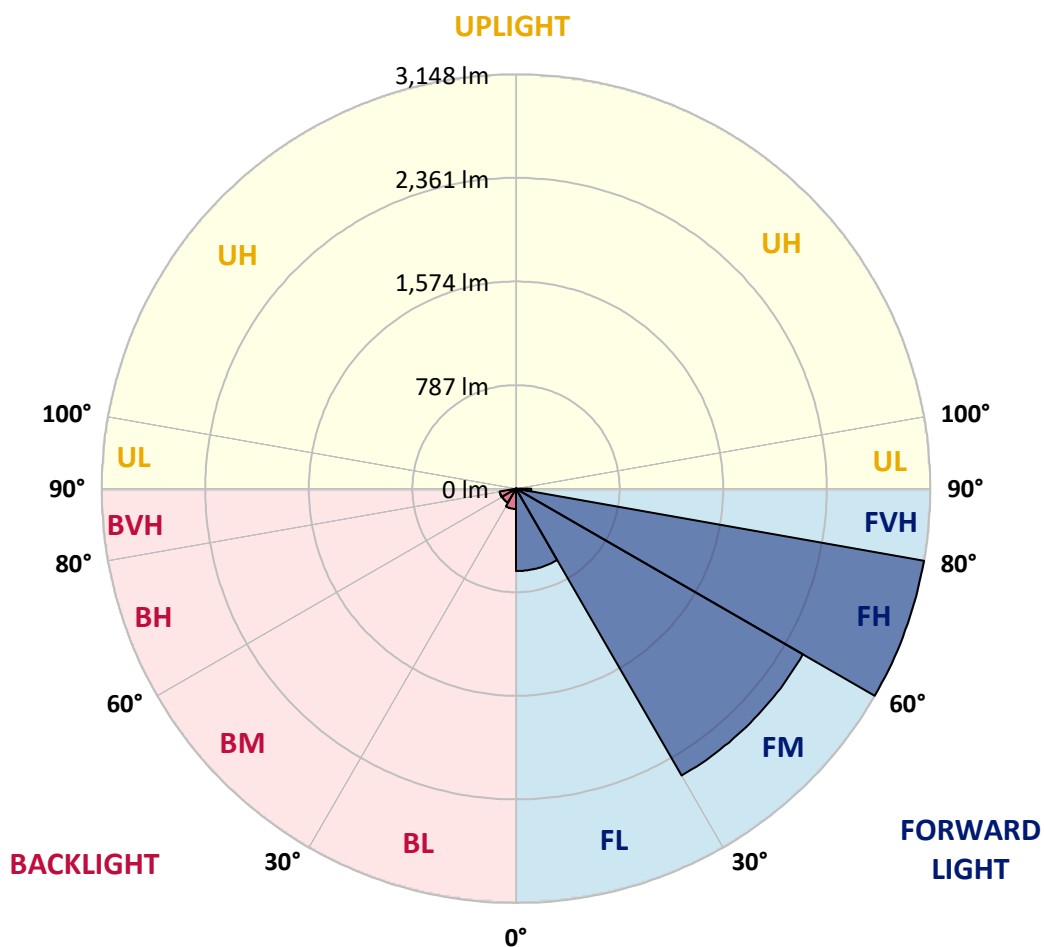


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.2	9.2			
FM (30°-60°)	2516.6	36.9			
FH (60°-80°)	3147.7	46.2			G2/5000
FVH (80°-90°)	115.3	1.7			G2/225
BL (0°-30°)	154.2	2.3	B1/500		
BM (30°-60°)	123.1	1.8	B0/220		
BH (60°-80°)	126.1	1.9	B1/500		G1/500
BVH (80°-90°)	1.6	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°	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4
2.5°	2049.4	2023.1	2045.0	2045.0	2023.1	1996.9	2027.5	2010.0	1992.5	1953.1	1909.3
5°	1887.4	1913.7	1935.5	1935.5	1939.9	1961.8	1988.1	1966.2	2005.6	1961.8	1896.1
7.5°	1751.6	1769.1	1795.4	1812.9	1834.8	1848.0	1900.5	1904.9	1904.9	1918.0	1896.1
10°	1558.9	1589.6	1594.0	1629.0	1721.0	1751.6	1799.8	1812.9	1830.4	1878.6	1830.4
12.5°	1445.1	1471.4	1475.7	1519.5	1567.7	1655.3	1694.7	1742.9	1777.9	1843.6	1799.8
15°	1348.8	1348.8	1370.6	1401.3	1449.5	1541.4	1664.0	1690.3	1725.4	1804.2	1782.3
17.5°	1256.8	1256.8	1274.3	1296.2	1366.3	1449.5	1567.7	1629.0	1668.4	1799.8	1742.9
20°	1230.5	1213.0	1217.4	1226.1	1287.4	1388.2	1493.3	1585.2	1624.6	1769.1	1694.7
22.5°	1226.1	1195.5	1186.7	1195.5	1217.4	1265.5	1396.9	1471.4	1576.5	1773.5	1677.2
25°	1208.6	1199.9	1199.9	1178.0	1186.7	1234.9	1318.1	1418.8	1550.2	1786.7	1646.5
27.5°	1230.5	1239.3	1230.5	1204.2	1199.9	1191.1	1261.2	1366.3	1484.5	1804.2	1611.5
30°	1269.9	1269.9	1278.7	1239.3	1208.6	1173.6	1230.5	1318.1	1445.1	1843.6	1580.8
32.5°	1318.1	1331.2	1331.2	1296.2	1252.4	1182.3	1234.9	1305.0	1423.2	1861.1	1572.1
35°	1410.1	1414.4	1405.7	1392.5	1322.5	1252.4	1265.5	1335.6	1445.1	1926.8	1585.2
37.5°	1502.0	1488.9	1506.4	1502.0	1440.7	1353.1	1348.8	1401.3	1484.5	1975.0	1646.5
40°	1602.7	1598.4	1607.1	1620.3	1563.3	1493.3	1449.5	1497.6	1585.2	2062.5	1694.7
42.5°	1712.2	1707.8	1712.2	1773.5	1738.5	1646.5	1589.6	1629.0	1716.6	2207.0	1817.3
45°	1777.9	1795.4	1839.2	1909.3	1926.8	1804.2	1777.9	1804.2	1848.0	2373.5	2018.7
47.5°	1834.8	1874.2	1935.5	2027.5	2128.2	2049.4	1992.5	2027.5	2071.3	2561.8	2233.3
50°	1996.9	2018.7	2128.2	2224.6	2347.2	2338.4	2307.8	2299.0	2338.4	2780.7	2461.0
52.5°	2268.4	2272.7	2342.8	2456.7	2570.5	2675.6	2675.6	2605.5	2631.8	3056.6	2754.4
55°	2509.2	2548.6	2640.6	2675.6	2833.3	3021.6	3135.4	3069.7	3004.0	3310.6	3117.9
57.5°	2745.7	2811.4	2894.6	3012.8	3104.8	3262.4	3669.7	3656.5	3424.4	3639.0	3367.5
60°	2811.4	2824.5	3109.1	3393.8	3612.7	3757.2	4129.5	4024.4	3766.0	3748.5	3555.8
62.5°	2364.7	2421.6	2802.6	3310.6	4072.5	4711.9	4786.3	4681.2	4085.7	4006.8	3888.6
65°	1313.7	1405.7	1799.8	2658.1	3809.8	5548.3	5806.6	5451.9	4633.1	4584.9	4830.1
67.5°	836.4	823.3	906.5	1326.9	2596.8	5618.3	7799.1	7177.3	5977.4	5758.5	5806.6
70°	569.3	556.1	560.5	740.1	1248.0	4195.1	9213.6	9774.1	7882.3	6384.7	5320.6
72.5°	416.0	407.3	437.9	569.3	792.6	2018.7	8666.2	9909.8	8368.4	5806.6	3774.8
75°	275.9	280.3	337.2	486.1	762.0	910.8	6047.5	7602.1	6559.8	3836.1	1558.9
77.5°	153.3	162.0	232.1	398.5	691.9	748.8	3034.7	4392.2	3315.0	1248.0	315.3
80°	70.1	70.1	118.2	284.6	595.6	674.4	1230.5	1878.6	1072.9	232.1	92.0
82.5°	30.7	30.7	52.5	153.3	424.8	613.1	814.5	849.5	385.4	87.6	56.9
85°	4.4	4.4	17.5	78.8	219.0	416.0	696.3	617.4	254.0	39.4	35.0
87.5°	0.0	0.0	4.4	17.5	65.7	135.8	332.8	245.2	96.3	17.5	13.1
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°	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4	1922.4
2.5°	1909.3	1887.4	1834.8	1773.5	1721.0	1677.2	1624.6	1585.2	1550.2	1537.1	1502.0
5°	1843.6	1817.3	1703.5	1558.9	1471.4	1353.1	1248.0	1160.5	1107.9	1081.6	1037.8
7.5°	1786.7	1725.4	1554.6	1353.1	1169.2	980.9	827.6	691.9	591.2	556.1	573.7
10°	1738.5	1637.8	1388.2	1107.9	849.5	604.3	376.6	205.8	109.5	87.6	96.3
12.5°	1690.3	1554.6	1226.1	875.8	534.2	227.7	70.1	0.0	0.0	0.0	0.0
15°	1633.4	1467.0	1055.4	648.1	245.2	43.8	0.0	0.0	0.0	0.0	0.0
17.5°	1598.4	1401.3	893.3	424.8	70.1	0.0	0.0	0.0	0.0	0.0	0.0
20°	1537.1	1283.1	740.1	201.4	8.8	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	1462.6	1204.2	586.8	70.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	1405.7	1121.0	407.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	1388.2	1033.5	236.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1326.9	954.6	105.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1291.8	871.4	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1252.4	805.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1256.8	735.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1296.2	670.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1388.2	608.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1493.3	569.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1672.8	556.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1839.2	569.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2102.0	613.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2373.5	696.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2596.8	744.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2750.1	792.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3209.9	1024.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	4111.9	1291.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4576.1	1265.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3923.6	810.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2535.5	271.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	801.4	43.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	153.3	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	61.3	17.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.0	13.1	8.8	4.4	4.4	4.4	4.4	0.0	0.0	0.0	0.0
85°	26.3	4.4	4.4	4.4	4.4	4.4	4.4	0.0	0.0	0.0	0.0
87.5°	13.1	4.4	4.4	4.4	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)