

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: P482682

Luminaire Tested: **IFLD-S-SA3C-722-U-T3R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482682
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

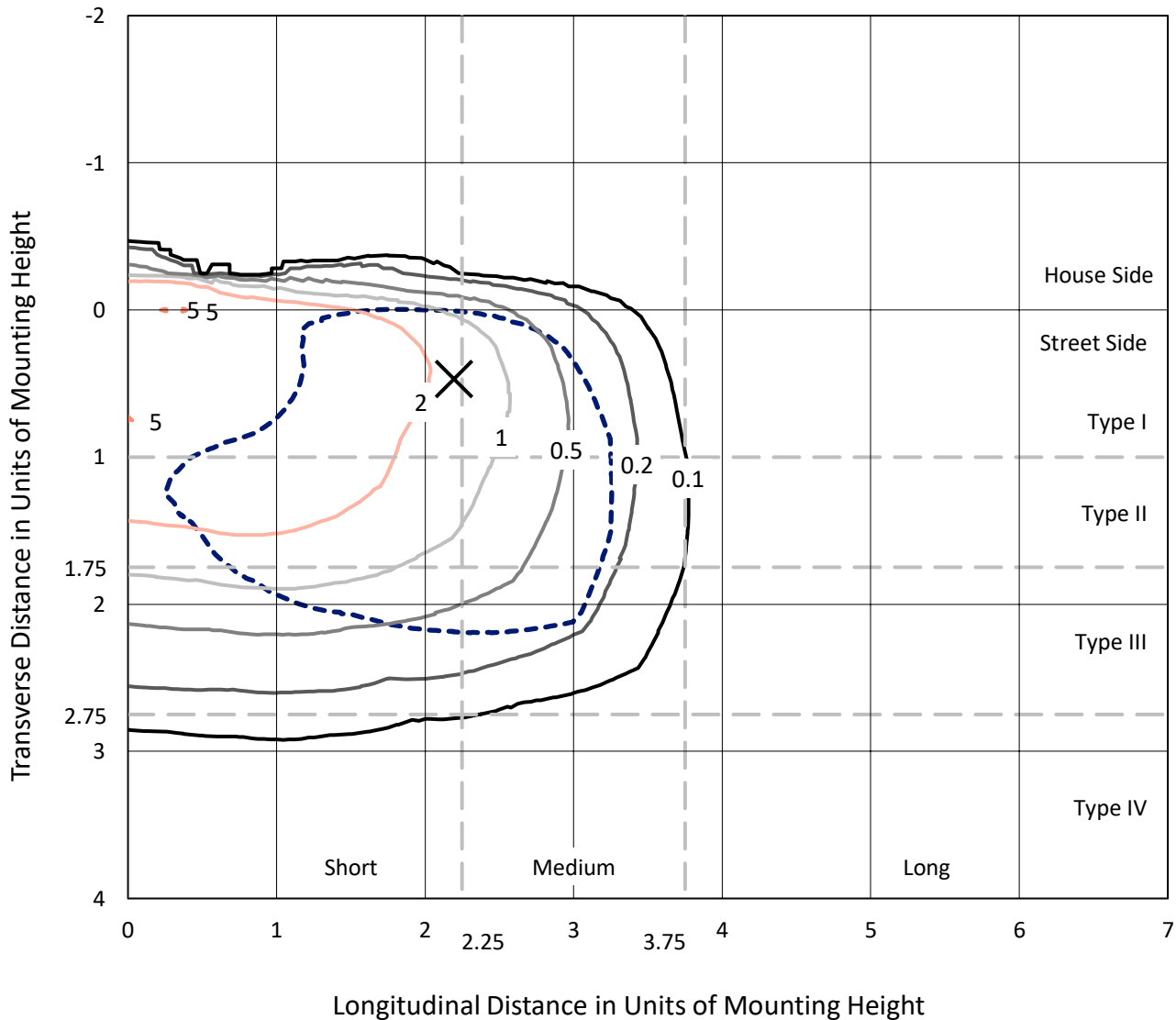
Lumens per Lamp: N/A
Luminaire Lumens: 11184.3 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 160.8
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

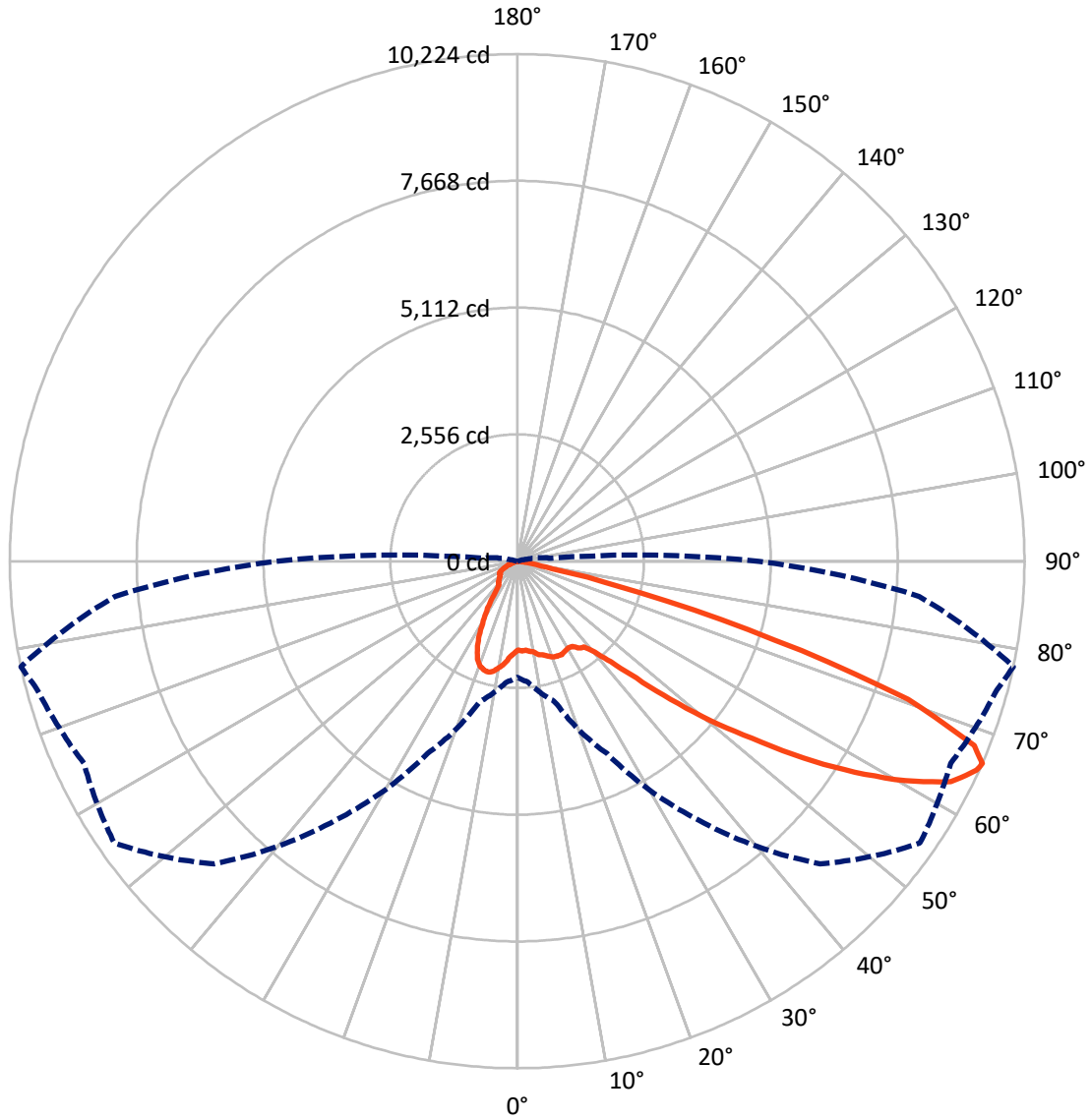
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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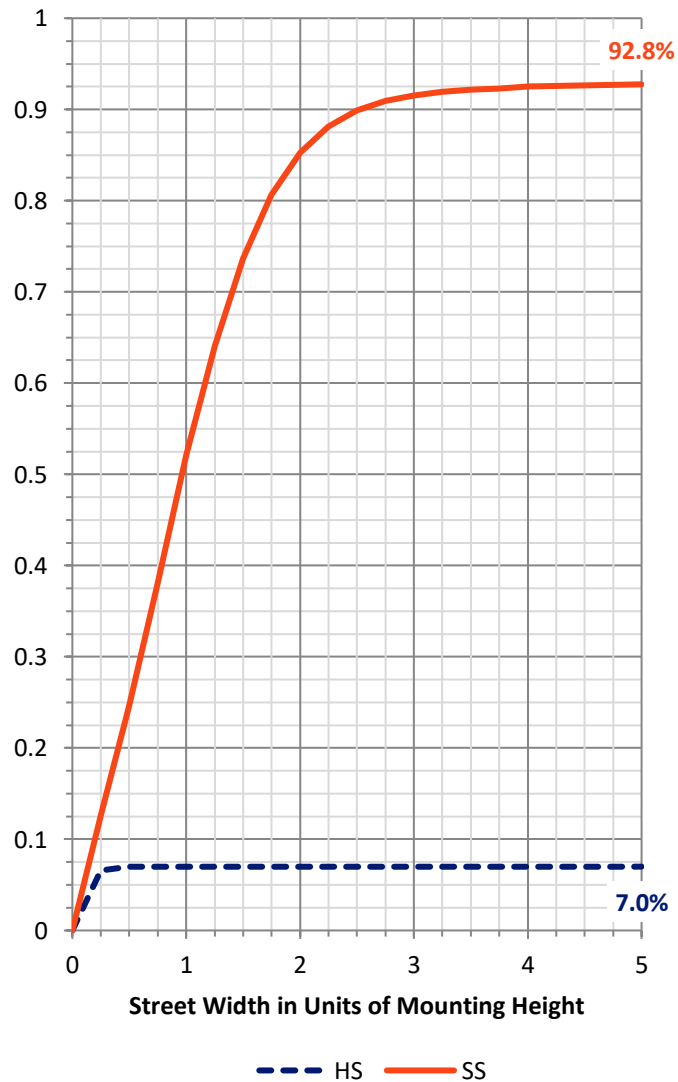
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	786.3	0.0	786.3
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	10398.0	0.0	10398.0
	% Fixture	93.0	0.0	93.0
Total	Lumens	11184.3	0.0	11184.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.9	1.5
10°-20°	369.9	3.3
20°-30°	528.8	4.7
30°-40°	905.1	8.1
40°-50°	1633.6	14.6
50°-60°	2793.7	25.0
60°-70°	3438.5	30.7
70°-80°	1300.0	11.6
80°-90°	50.8	0.5
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°	11184.3	100.0
0°-180°	11184.3	100.0

Coefficient of Utilization

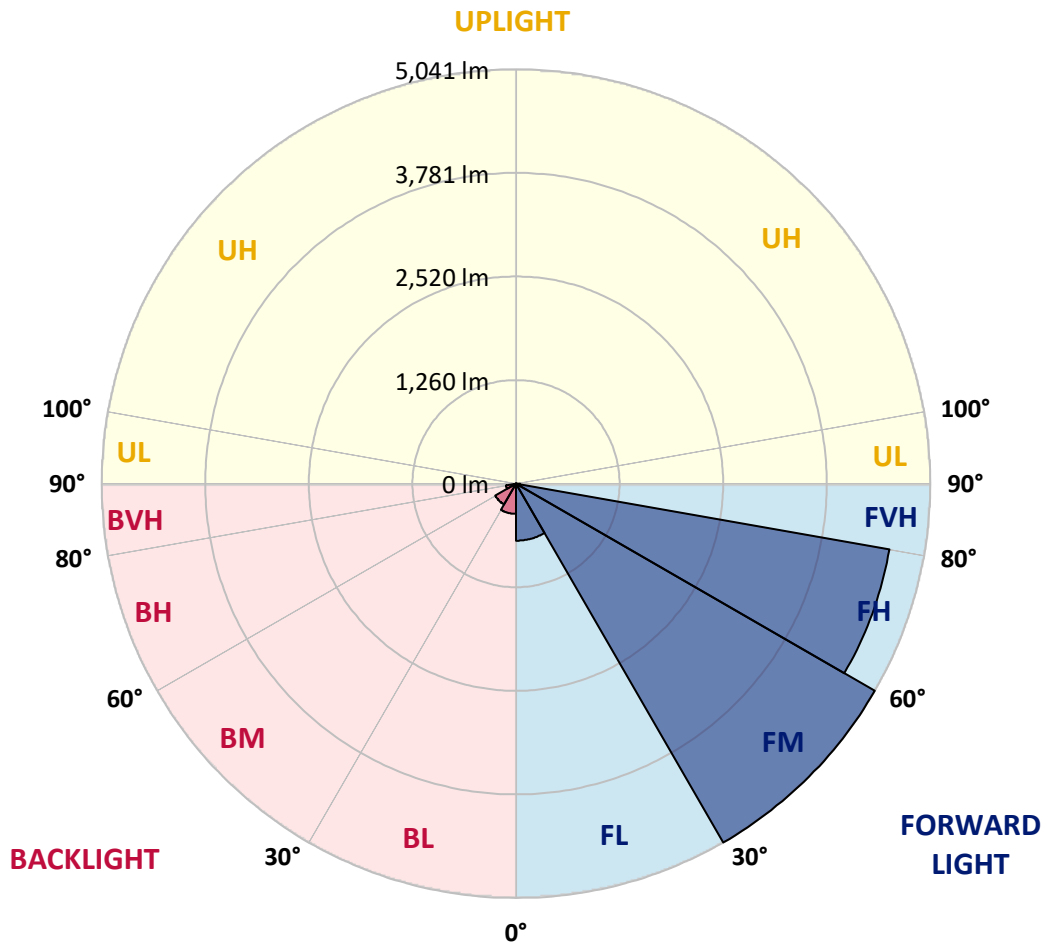


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	694.3	6.2			
FM (30°-60°)	5041.0	45.1			
FH (60°-80°)	4613.9	41.3			G2/5000
FVH (80°-90°)	48.7	0.4			G1/100
BL (0°-30°)	368.3	3.3	B1/500		
BM (30°-60°)	291.4	2.6	B1/1000		
BH (60°-80°)	124.6	1.1	B1/500		G1/500
BVH (80°-90°)	2.0	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4
2.5°	1647.7	1632.5	1647.7	1669.7	1681.5	1691.7	1727.1	1757.6	1789.7	1811.6	1804.9
5°	1527.7	1556.5	1559.8	1566.6	1585.2	1646.0	1666.3	1718.7	1798.1	1804.9	1835.3
7.5°	1433.1	1424.6	1446.6	1490.5	1537.9	1573.4	1632.5	1723.8	1806.6	1835.3	1894.4
10°	1296.2	1313.1	1336.8	1380.7	1438.2	1526.0	1630.8	1732.2	1850.5	1860.6	1970.5
12.5°	1221.8	1204.9	1242.1	1287.7	1385.8	1466.9	1595.3	1717.0	1877.5	1933.3	2060.1
15°	1161.0	1169.5	1204.9	1235.4	1316.5	1419.6	1570.0	1754.2	1923.2	1962.0	2154.7
17.5°	1135.7	1130.6	1157.6	1188.0	1287.7	1404.4	1559.8	1755.9	1963.7	2014.4	2218.9
20°	1147.5	1157.6	1149.2	1177.9	1240.4	1358.7	1575.0	1788.0	1994.2	2063.4	2288.2
22.5°	1333.4	1319.9	1252.3	1198.2	1201.6	1340.1	1563.2	1808.3	2021.2	2077.0	2335.5
25°	1818.4	1745.7	1578.4	1370.6	1233.7	1289.4	1549.7	1801.5	2016.1	2085.4	2364.3
27.5°	2306.8	2244.3	2080.3	1757.6	1363.8	1269.2	1502.4	1806.6	1990.8	2055.0	2316.9
30°	2822.2	2856.0	2612.7	2229.1	1705.2	1380.7	1472.0	1779.5	1973.9	2028.0	2327.1
32.5°	3351.2	3337.7	3190.6	2774.9	2193.6	1627.4	1521.0	1806.6	1995.8	2048.2	2386.2
35°	3765.2	3717.9	3569.2	3194.0	2597.5	1999.2	1690.0	1935.0	2092.2	2154.7	2470.7
37.5°	3969.7	3990.0	3903.8	3577.6	3040.2	2344.0	1901.2	1935.0	2122.6	2195.3	2607.6
40°	4128.6	4189.4	4157.3	4052.5	3479.6	2732.7	2134.4	2055.0	2276.4	2413.3	2864.5
42.5°	4319.5	4290.8	4480.1	4383.8	4054.2	3222.8	2543.4	2340.6	2639.7	2771.5	3249.8
45°	4420.9	4530.8	4674.4	4797.8	4586.6	3834.5	3077.4	2845.9	3195.7	3363.0	3822.7
47.5°	4681.2	4725.1	4958.3	5113.8	5019.2	4534.2	3888.6	3584.4	3895.4	4159.0	4478.4
50°	4833.3	4774.1	5100.3	5336.9	5391.0	5113.8	4615.3	4378.7	4726.8	5063.1	5091.9
52.5°	4699.8	4868.8	5194.9	5619.1	5769.5	5630.9	5468.7	5365.6	5610.7	5921.6	5783.0
55°	4231.7	4346.6	5140.9	5928.4	6413.4	6349.2	6499.6	6432.0	6678.7	7008.3	6590.8
57.5°	3854.8	3998.4	4696.4	6088.9	7013.3	7202.6	7391.9	7349.6	7647.1	8027.3	7275.3
60°	3619.9	3702.7	4375.3	6048.4	7368.2	8084.8	8512.3	8214.9	8699.9	8990.6	7811.0
62.5°	3212.6	3265.0	3907.2	5511.0	7474.7	8708.4	9433.4	9029.5	9450.3	9805.2	8196.3
65°	2575.5	2717.5	3248.1	4706.5	6771.7	8823.3	10007.9	9533.1	9940.3	10173.6	8312.9
66°	2344.0	2447.1	2933.8	4280.7	6371.2	8632.3	9911.6	9637.8	10011.3	10224.3	8133.8
67.5°	1945.1	2034.7	2421.7	3674.0	5551.5	8211.5	9979.2	9566.9	10065.4	9935.3	7893.8
70°	1287.7	1345.2	1656.2	2484.2	3866.6	6717.6	9255.9	9012.6	8848.6	8360.2	6171.7
72.5°	601.6	684.4	1034.3	1505.8	2267.9	4699.8	7547.4	7221.2	6205.5	5424.8	3893.7
75°	272.1	309.3	567.8	863.6	1017.4	2435.2	4868.8	4397.3	3089.2	2565.4	1705.2
77.5°	147.0	167.3	277.2	410.7	370.1	853.4	2409.9	2004.3	973.4	713.2	495.2
80°	113.2	133.5	231.5	234.9	136.9	221.4	895.7	620.2	243.4	184.2	118.3
82.5°	59.1	84.5	182.5	152.1	69.3	89.6	277.2	172.4	76.0	60.8	50.7
85°	23.7	37.2	103.1	101.4	40.6	30.4	77.7	52.4	30.4	25.3	23.7
87.5°	1.7	1.7	55.8	38.9	25.3	8.4	11.8	11.8	15.2	13.5	16.9
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°	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4	1791.4
2.5°	1835.3	1855.6	1859.0	1914.7	1926.6	1914.7	1945.1	1940.1	1953.6	1943.5	1924.9
5°	1877.5	1906.3	1962.0	2004.3	2004.3	1970.5	1943.5	1908.0	1855.6	1842.1	1831.9
7.5°	1950.2	2041.5	2092.2	2065.1	2011.1	1884.3	1708.6	1580.1	1472.0	1431.4	1412.8
10°	2078.7	2129.4	2188.5	2078.7	1853.9	1585.2	1289.4	1095.1	943.0	909.2	883.8
12.5°	2161.5	2242.6	2276.4	2004.3	1563.2	1162.7	841.6	621.9	515.4	434.3	420.8
15°	2269.6	2362.6	2293.3	1803.2	1232.0	762.2	436.0	272.1	221.4	207.9	207.9
17.5°	2344.0	2445.4	2224.0	1553.1	873.7	405.6	216.3	187.6	184.2	185.9	182.5
20°	2474.1	2534.9	2119.2	1262.4	522.2	207.9	174.1	167.3	163.9	169.0	165.6
22.5°	2523.1	2578.9	1948.5	914.3	234.9	138.6	130.1	125.1	128.4	126.7	125.1
25°	2519.7	2548.5	1668.0	523.9	69.3	54.1	49.0	49.0	45.6	47.3	45.6
27.5°	2545.1	2474.1	1353.7	155.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	2558.6	2354.1	963.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	2565.4	2291.6	620.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	2617.7	2166.5	265.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	2653.2	2006.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	2800.3	1955.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2991.2	1860.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	3256.6	1720.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3608.1	1637.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3870.0	1507.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	4202.9	1429.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4598.4	1433.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	4958.3	1409.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	5142.5	1204.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	5103.7	975.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	4968.5	765.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	4875.5	677.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4593.3	542.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3655.4	371.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2325.4	228.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1071.4	104.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	336.3	64.2	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	87.9	40.6	13.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	45.6	28.7	11.8	5.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.7	11.8	5.1	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.3	6.8	3.4	3.4	1.7	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)