

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: P482293

Luminaire Tested: **IFLD-S-SA3D-722-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482293
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

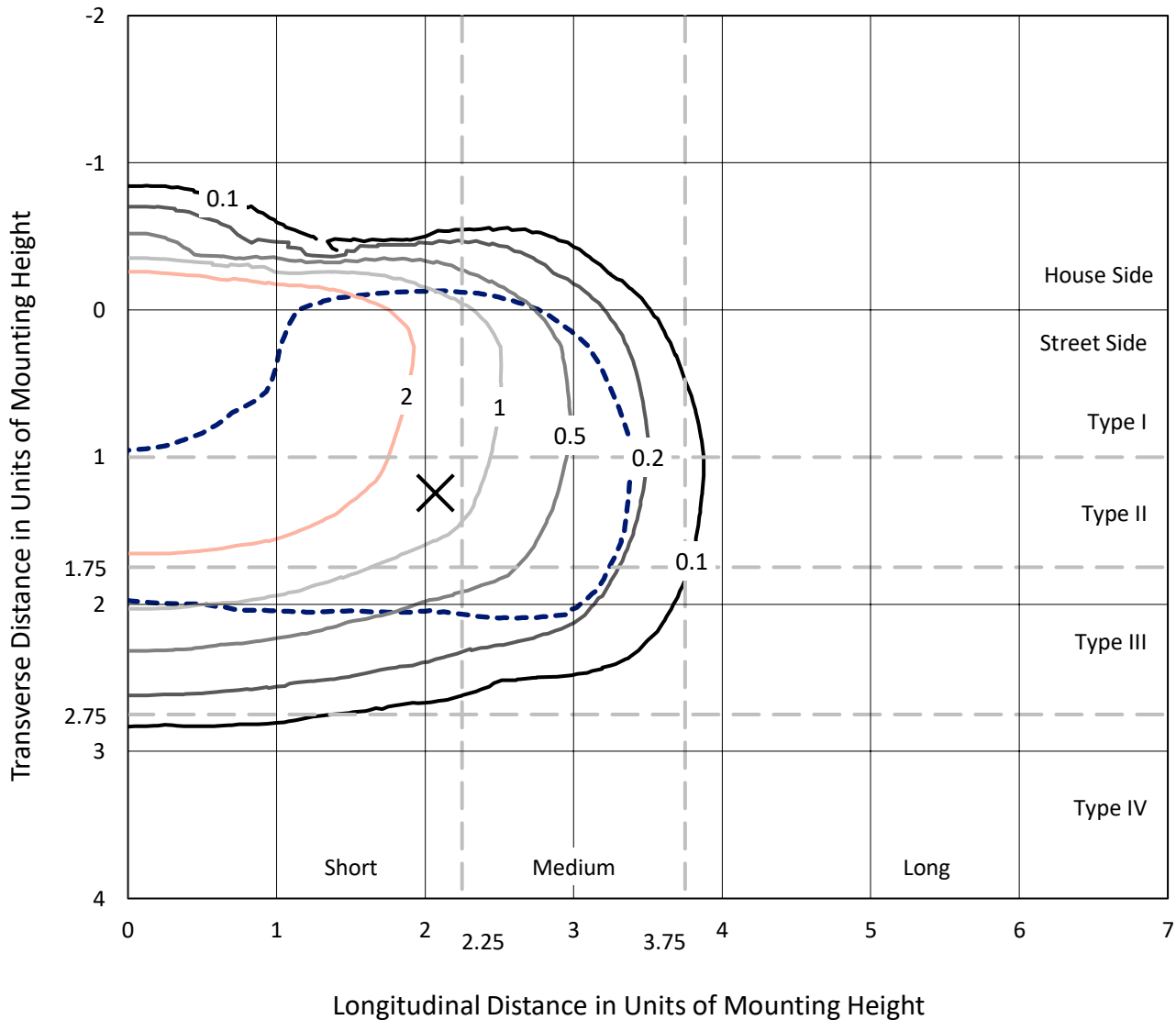
Lumens per Lamp: N/A
Luminaire Lumens: 12739 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (A_{in}): 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

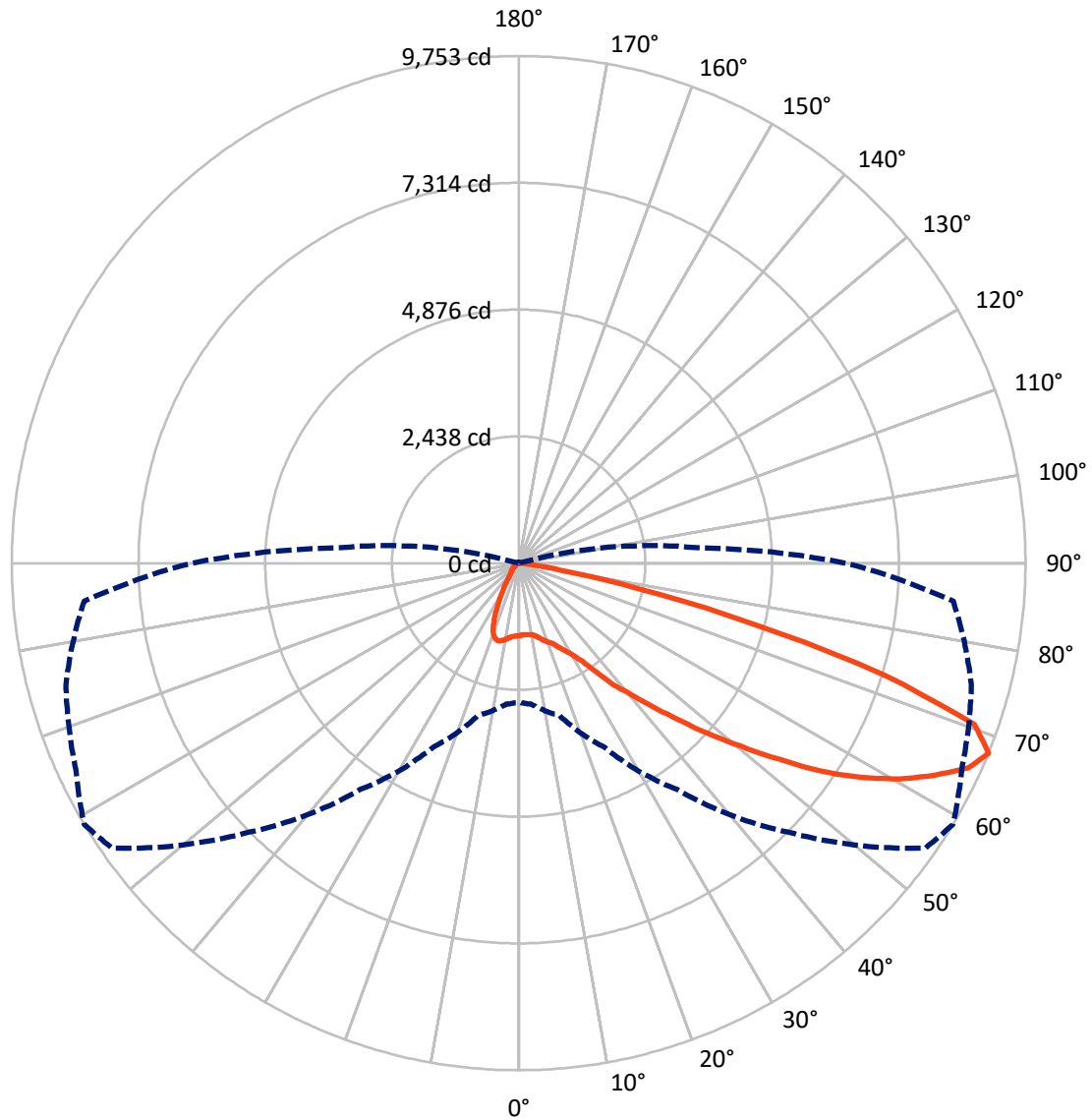
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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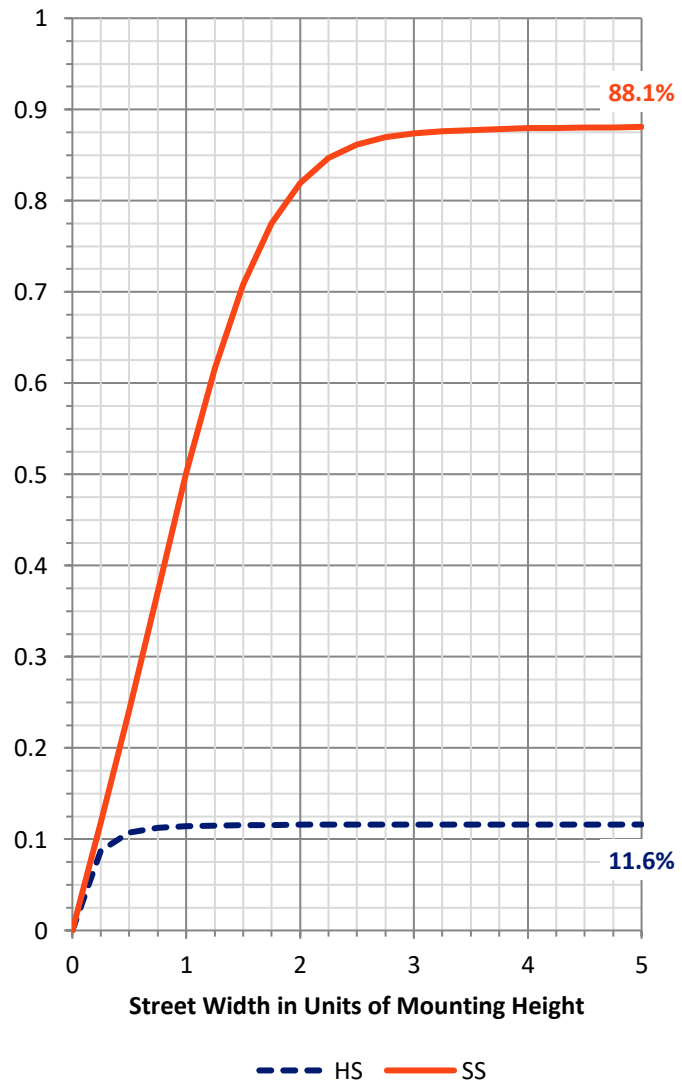
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1496.4	0.0	1496.4
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	11242.6	0.0	11242.6
	% Fixture	88.3	0.0	88.3
Total	Lumens	12739.0	0.0	12739.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	1.0
10°-20°	383.4	3.0
20°-30°	670.1	5.3
30°-40°	1179.7	9.3
40°-50°	2085.4	16.4
50°-60°	3301.9	25.9
60°-70°	3662.7	28.8
70°-80°	1270.9	10.0
80°-90°	52.3	0.4
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°	12739.0	100.0
0°-180°	12739.0	100.0

Coefficient of Utilization

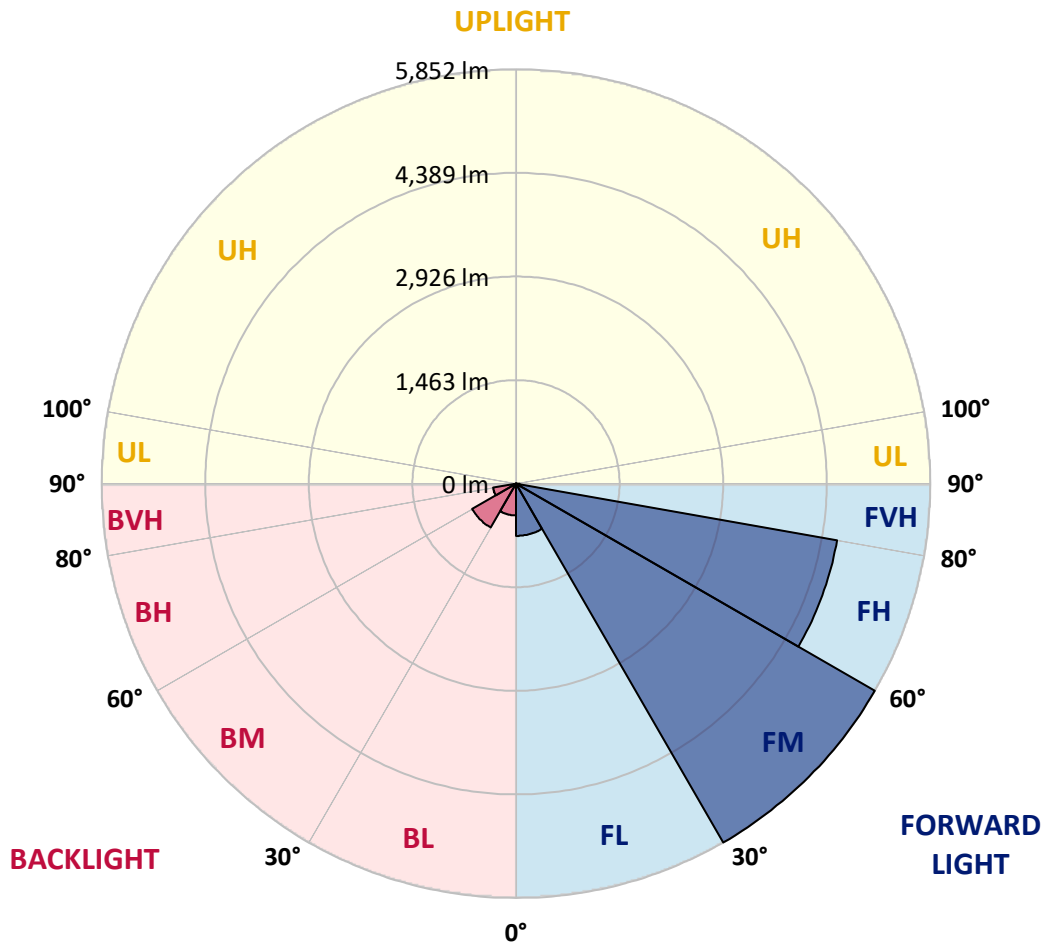


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.7	5.8			
FM (30°-60°)	5851.5	45.9			
FH (60°-80°)	4604.5	36.1			G2/5000
FVH (80°-90°)	48.9	0.4			G1/100
BL (0°-30°)	448.5	3.5	B1/500		
BM (30°-60°)	715.5	5.6	B1/1000		
BH (60°-80°)	329.1	2.6	B1/500		G1/500
BVH (80°-90°)	3.4	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°	59°	65°	75°	85°
0°	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2
2.5°	1356.8	1337.4	1355.0	1356.8	1358.5	1374.4	1392.0	1379.6	1377.9	1392.0	1404.3
5°	1302.2	1293.4	1314.5	1325.1	1342.7	1356.8	1384.9	1386.7	1388.4	1404.3	1425.4
7.5°	1279.3	1258.2	1282.9	1295.2	1307.5	1340.9	1374.4	1392.0	1416.6	1436.0	1457.1
10°	1233.6	1249.4	1256.5	1277.6	1312.8	1351.5	1392.0	1400.8	1455.3	1471.2	1522.2
12.5°	1249.4	1260.0	1274.1	1279.3	1318.1	1376.1	1430.7	1434.2	1490.5	1559.1	1585.5
15°	1289.9	1282.9	1288.1	1295.2	1340.9	1388.4	1476.4	1492.3	1545.1	1622.5	1687.6
17.5°	1376.1	1363.8	1355.0	1353.2	1363.8	1407.8	1511.6	1559.1	1608.4	1714.0	1747.4
20°	1592.6	1582.0	1546.8	1455.3	1423.6	1441.2	1553.9	1620.7	1689.4	1807.3	1861.8
22.5°	1921.6	1932.2	1849.5	1721.0	1589.1	1520.4	1620.7	1678.8	1787.9	1937.5	1986.8
25°	2310.6	2289.4	2189.1	2039.6	1831.9	1670.0	1728.1	1793.2	1926.9	2050.1	2069.5
27.5°	2615.0	2590.4	2512.9	2331.7	2152.2	1890.0	1868.9	1909.3	2067.7	2178.6	2157.5
30°	2915.9	2924.7	2871.9	2657.2	2435.5	2159.2	2025.5	2043.1	2164.5	2307.0	2259.5
32.5°	3299.5	3278.4	3248.5	3060.2	2798.0	2502.4	2273.6	2245.4	2298.2	2486.5	2430.2
35°	3656.8	3644.4	3604.0	3413.9	3185.2	2863.1	2639.6	2576.3	2564.0	2773.4	2674.8
37.5°	3968.2	3947.1	3885.5	3764.1	3542.4	3271.4	3026.8	2970.5	2968.7	3113.0	2922.9
40°	4230.4	4246.3	4239.2	4105.5	3984.1	3767.6	3392.8	3303.1	3296.0	3373.4	3262.6
42.5°	4570.1	4607.0	4587.7	4561.3	4415.2	4330.7	3906.6	3769.4	3707.8	3866.2	3765.9
45°	5083.9	5098.0	5110.3	5045.2	4899.1	4916.7	4438.1	4274.4	4258.6	4494.4	4269.2
47.5°	5564.3	5527.4	5613.6	5617.1	5610.1	5529.1	5011.8	4890.3	4911.5	5091.0	4858.7
50°	5684.0	5779.0	6016.6	6060.6	6175.0	6248.9	5648.8	5527.4	5562.6	5766.7	5501.0
52.5°	5777.3	5921.6	6159.1	6481.2	6789.1	6965.1	6361.5	6263.0	6261.2	6386.1	6020.1
55°	5940.9	6028.9	6234.8	6678.3	7264.3	7552.9	7220.3	7061.9	6919.3	7007.3	6558.6
57.5°	5925.1	5958.5	6278.8	6826.1	7640.8	8165.2	7925.9	7774.6	7591.6	7540.5	7178.0
60°	5647.0	5726.2	6085.2	6725.8	7873.1	8642.1	8584.1	8429.2	8114.2	7994.6	7653.2
62.5°	5096.2	5201.8	5483.4	6373.8	7535.3	8666.8	9038.1	8980.0	8628.1	8413.4	8272.6
65°	4130.1	4179.4	4503.2	5479.9	6771.5	8288.4	9574.8	9502.7	9178.9	8858.6	8591.1
67.5°	2674.8	2722.3	3033.8	3911.9	5318.0	7311.8	9553.7	9752.5	9402.4	9017.0	8392.3
70°	1263.5	1251.2	1541.5	2173.3	3406.9	5583.7	8907.9	9300.3	9002.9	8174.0	6970.4
72.5°	385.4	418.8	640.5	962.6	1749.2	3482.5	6982.7	7350.5	7257.2	6530.4	4652.8
75°	170.7	184.8	251.6	394.2	709.2	1428.9	4313.2	4640.5	4600.0	3852.1	2124.0
77.5°	109.1	119.7	158.4	225.2	322.0	454.0	1986.8	2305.3	2234.9	1353.2	556.1
80°	77.4	82.7	112.6	154.9	202.4	186.5	684.5	813.0	779.6	367.8	149.6
82.5°	42.2	45.8	82.7	114.4	135.5	95.0	191.8	239.3	249.9	163.7	72.1
85°	15.8	19.4	51.0	80.9	70.4	44.0	56.3	68.6	89.7	89.7	33.4
87.5°	0.0	1.8	21.1	35.2	17.6	12.3	15.8	19.4	24.6	42.2	12.3
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°	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2
2.5°	1413.1	1400.8	1406.0	1414.8	1395.5	1406.0	1384.9	1400.8	1406.0	1384.9	1395.5
5°	1430.7	1443.0	1436.0	1421.9	1409.6	1413.1	1407.8	1395.5	1406.0	1409.6	1402.5
7.5°	1481.7	1467.6	1471.2	1455.3	1430.7	1428.9	1395.5	1386.7	1390.2	1393.7	1381.4
10°	1529.2	1538.0	1520.4	1508.1	1467.6	1441.2	1395.5	1346.2	1340.9	1319.8	1337.4
12.5°	1613.7	1592.6	1585.5	1545.1	1504.6	1416.6	1318.1	1242.4	1179.0	1156.2	1133.3
15°	1684.1	1680.6	1668.2	1606.7	1513.4	1353.2	1166.7	990.7	869.3	793.6	783.1
17.5°	1780.9	1765.0	1742.2	1645.4	1448.3	1187.8	869.3	647.6	526.2	478.7	461.1
20°	1854.8	1842.5	1810.8	1636.6	1330.4	885.2	538.5	411.8	381.9	373.1	374.8
22.5°	1962.1	1923.4	1863.6	1592.6	1115.7	589.5	387.1	367.8	362.5	355.5	357.2
25°	2055.4	2020.2	1895.3	1516.9	795.4	390.7	359.0	348.4	339.6	330.8	329.1
27.5°	2138.1	2094.1	1928.7	1362.0	498.0	336.1	332.6	320.3	302.7	288.6	283.3
30°	2219.0	2168.0	1937.5	1071.7	336.1	304.4	295.6	276.3	253.4	234.0	230.5
32.5°	2354.5	2293.0	1925.2	765.5	290.4	271.0	251.6	228.8	195.3	179.5	176.0
35°	2565.7	2472.5	1909.3	450.5	260.4	239.3	209.4	179.5	154.9	139.0	135.5
37.5°	2808.6	2646.7	1863.6	300.9	239.3	211.2	172.5	142.5	121.4	109.1	105.6
40°	3169.3	2901.8	1687.6	246.4	212.9	179.5	139.0	112.6	96.8	88.0	84.5
42.5°	3567.0	3193.9	1416.6	221.7	188.3	153.1	110.9	91.5	79.2	70.4	70.4
45°	4043.9	3498.4	1092.8	202.4	167.2	126.7	91.5	73.9	63.4	56.3	52.8
47.5°	4575.4	3774.7	737.3	183.0	140.8	103.8	75.7	56.3	45.8	40.5	40.5
50°	5050.5	4019.3	469.9	160.1	123.2	86.2	61.6	45.8	37.0	29.9	28.2
52.5°	5481.6	4205.8	323.8	140.8	105.6	70.4	51.0	37.0	28.2	22.9	22.9
55°	5923.3	4300.8	239.3	121.4	91.5	59.8	42.2	33.4	24.6	19.4	17.6
57.5°	6285.8	4341.3	183.0	105.6	77.4	47.5	37.0	28.2	21.1	15.8	14.1
60°	6595.5	4322.0	142.5	88.0	61.6	40.5	31.7	22.9	17.6	12.3	10.6
62.5°	6776.8	4205.8	112.6	75.7	49.3	35.2	26.4	19.4	12.3	8.8	7.0
65°	6780.3	3959.4	88.0	56.3	37.0	29.9	22.9	15.8	8.8	3.5	1.8
67.5°	6294.6	3426.2	70.4	44.0	29.9	22.9	17.6	12.3	3.5	0.0	0.0
70°	4923.8	2592.1	58.1	35.2	24.6	19.4	12.3	7.0	1.8	0.0	0.0
72.5°	3137.6	1552.1	47.5	28.2	21.1	14.1	8.8	5.3	0.0	0.0	0.0
75°	1312.8	478.7	37.0	24.6	15.8	10.6	7.0	1.8	0.0	0.0	0.0
77.5°	337.9	151.3	29.9	21.1	15.8	8.8	5.3	1.8	0.0	0.0	0.0
80°	100.3	56.3	24.6	17.6	12.3	7.0	3.5	1.8	0.0	0.0	0.0
82.5°	45.8	33.4	21.1	15.8	10.6	7.0	3.5	0.0	0.0	0.0	0.0
85°	17.6	10.6	10.6	8.8	8.8	5.3	1.8	0.0	0.0	0.0	0.0
87.5°	7.0	3.5	3.5	3.5	1.8	1.8	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)