

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: P565339

Luminaire Tested: **IFLD-L-SA7A-AMB-U-SL3**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565339
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-SL3
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL3 distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

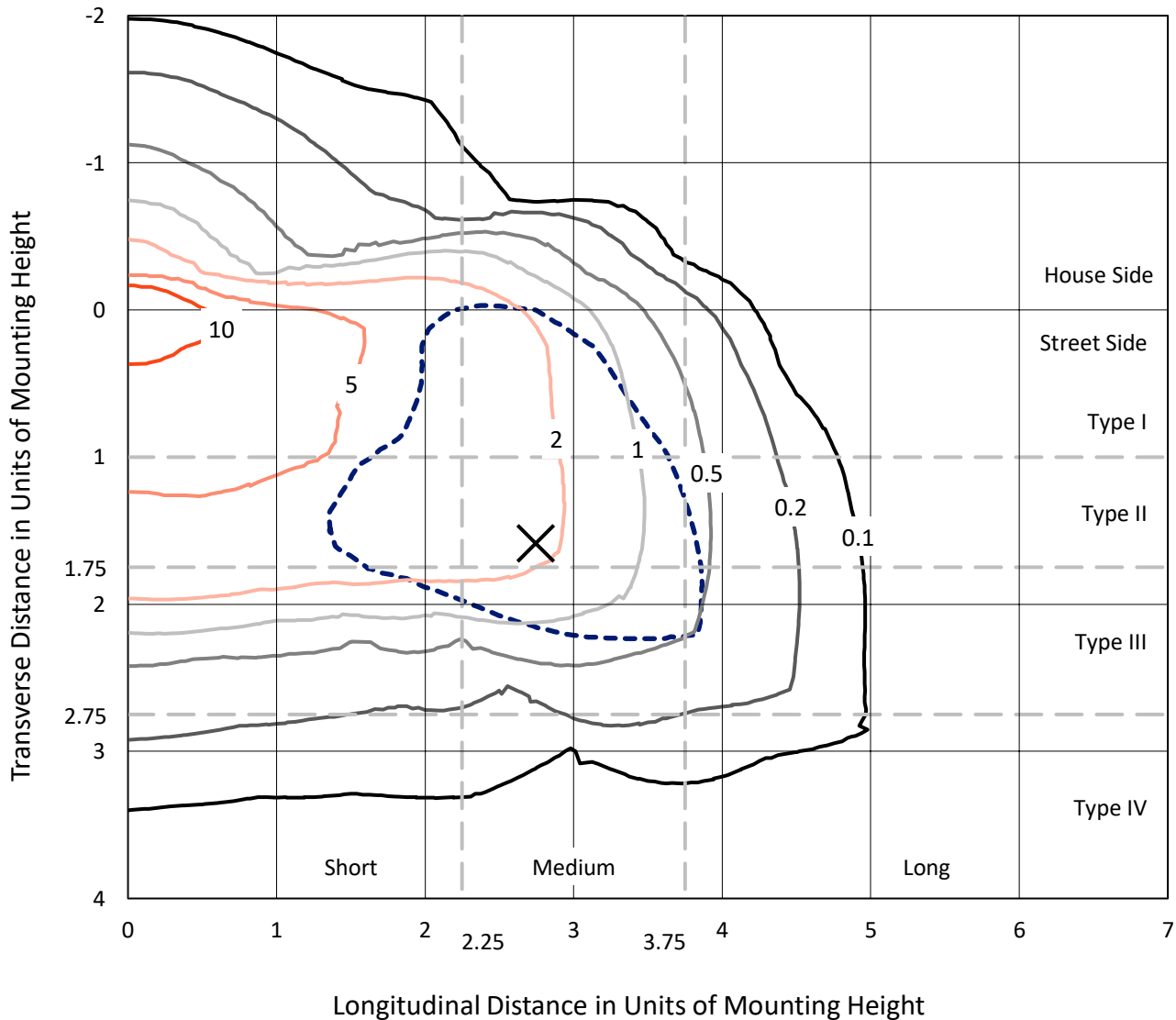
Lumens per Lamp: N/A
Luminaire Lumens: 7340.5 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5
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

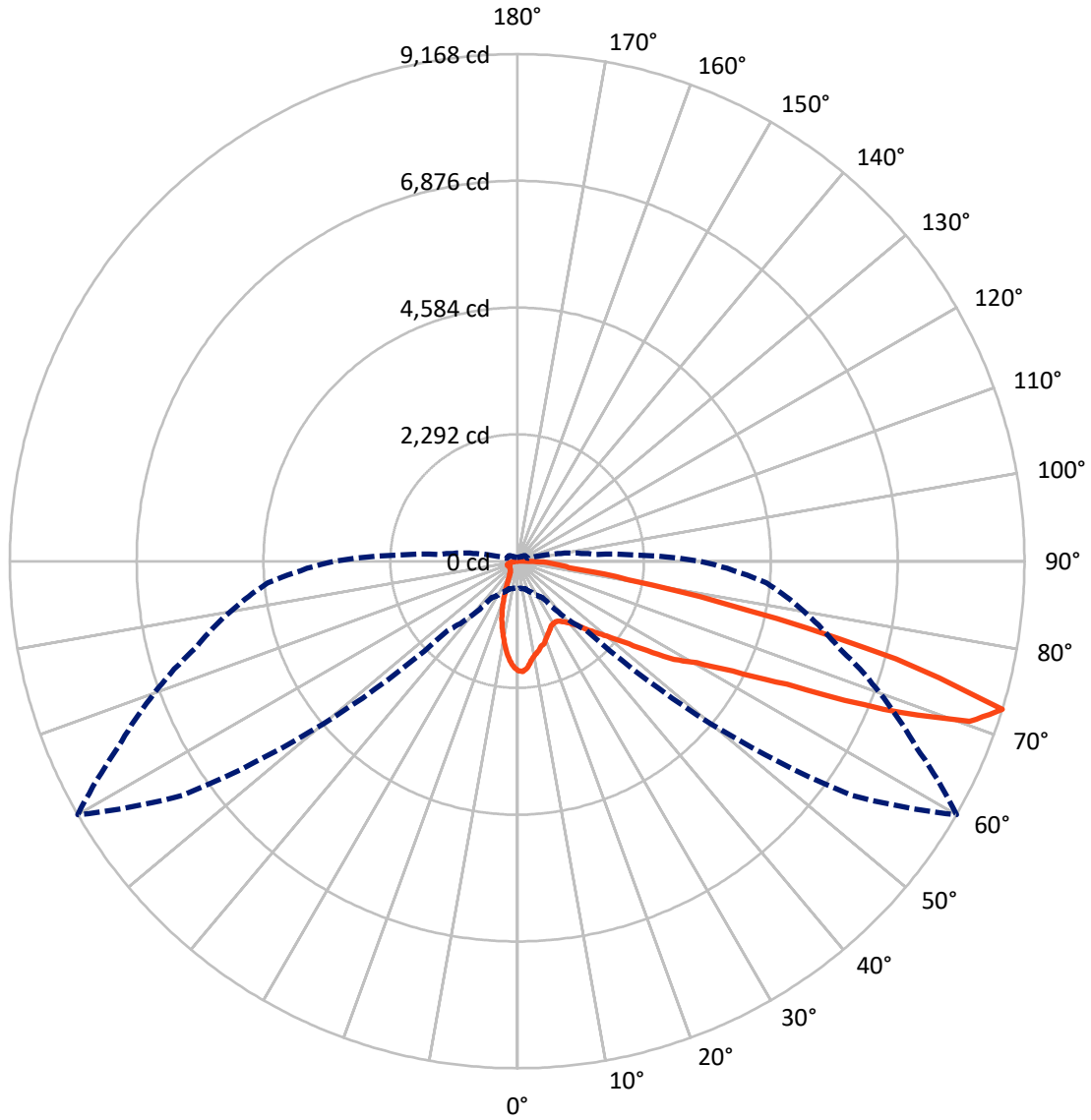
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.8 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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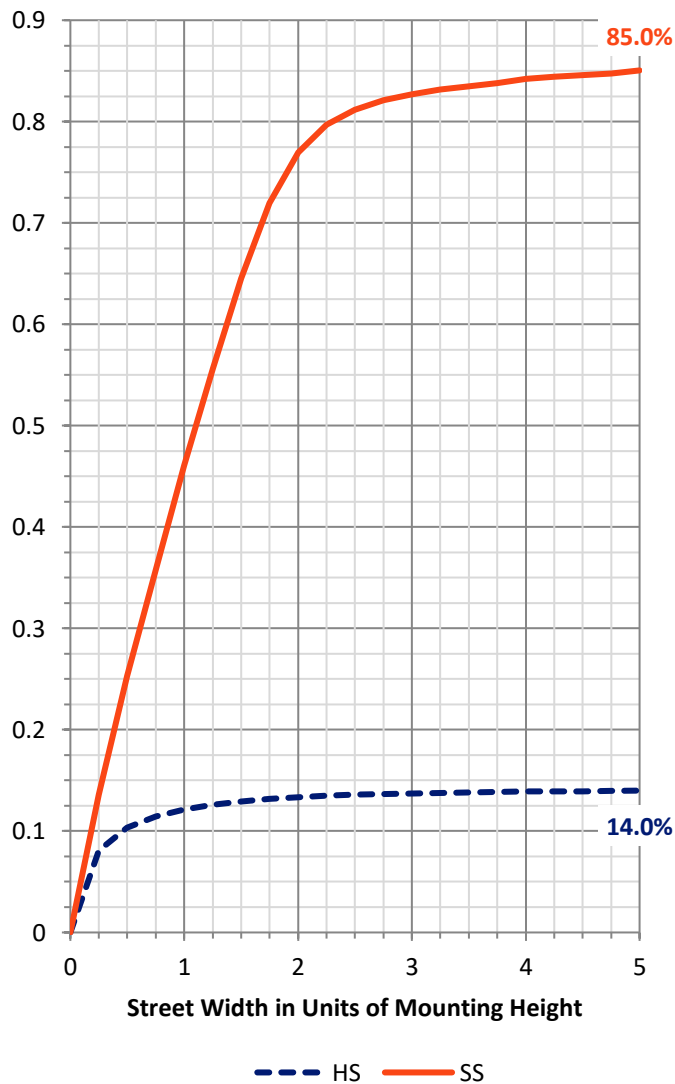
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1037.1	0.0	1037.1
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	6303.4	0.0	6303.4
	% Fixture	85.9	0.0	85.9
Total	Lumens	7340.5	0.0	7340.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.7	2.2
10°-20°	339.8	4.6
20°-30°	426.9	5.8
30°-40°	558.0	7.6
40°-50°	834.4	11.4
50°-60°	1385.6	18.9
60°-70°	2101.1	28.6
70°-80°	1352.6	18.4
80°-90°	179.4	2.4
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°	7340.5	100.0
0°-180°	7340.5	100.0

Coefficient of Utilization

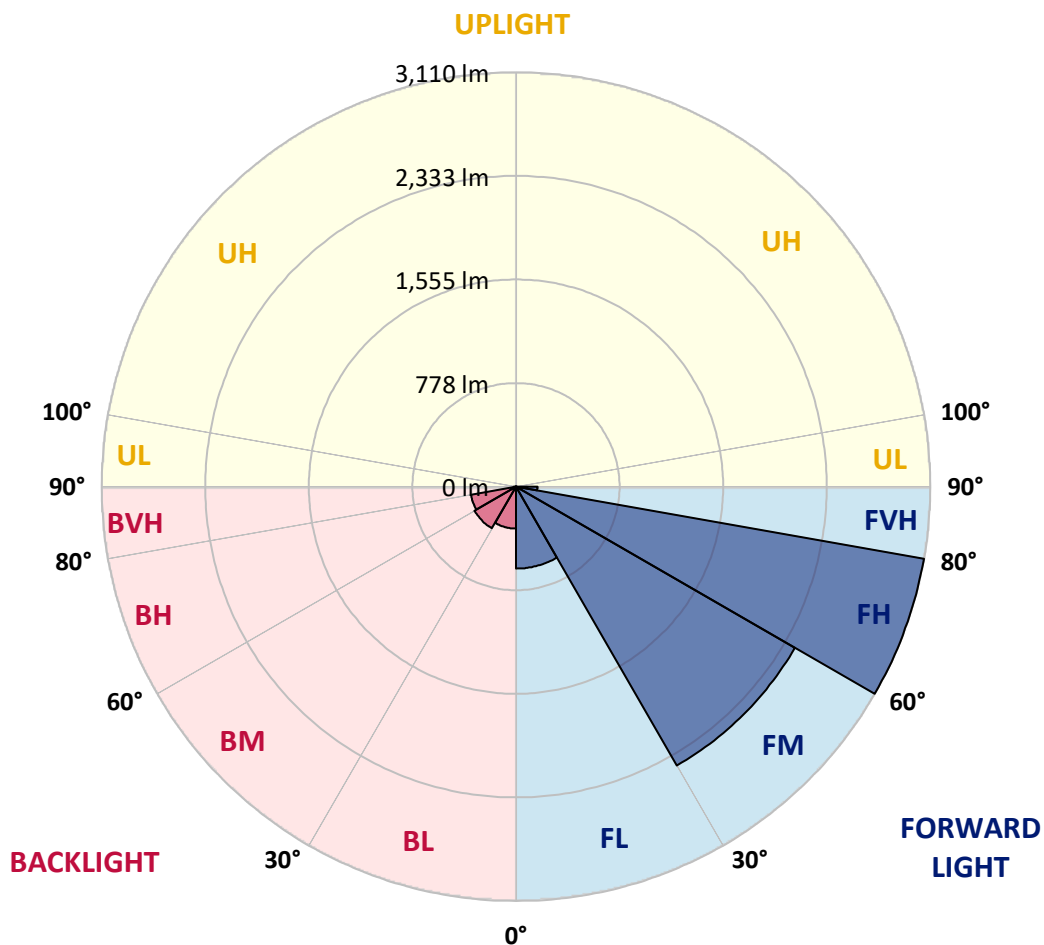


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.0	8.4			
FM (30°-60°)	2417.4	32.9			
FH (60°-80°)	3110.2	42.4			G2/5000
FVH (80°-90°)	160.7	2.2			G2/225
BL (0°-30°)	314.5	4.3	B1/500		
BM (30°-60°)	360.6	4.9	B1/1000		
BH (60°-80°)	343.4	4.7	B1/500		G1/500
BVH (80°-90°)	18.6	0.3			G1/100
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°	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9
2.5°	1930.4	1949.1	1952.8	1971.4	1964.0	1967.7	1993.8	1997.5	1975.2	1993.8	1975.2
5°	1841.0	1852.2	1837.3	1855.9	1882.0	1878.3	1926.7	1934.2	1923.0	1952.8	1949.1
7.5°	1725.5	1710.6	1725.5	1740.4	1762.7	1803.7	1811.2	1818.6	1855.9	1893.2	1878.3
10°	1520.5	1554.0	1557.8	1609.9	1647.2	1688.2	1718.0	1729.2	1766.5	1841.0	1844.7
12.5°	1449.7	1427.3	1460.9	1479.5	1524.2	1591.3	1632.3	1677.0	1703.1	1770.2	1773.9
15°	1334.2	1337.9	1345.3	1393.8	1431.1	1505.6	1583.8	1602.5	1669.6	1744.1	1766.5
17.5°	1248.4	1252.2	1278.3	1285.7	1352.8	1419.9	1520.5	1572.7	1613.7	1714.3	1721.7
20°	1203.7	1218.6	1226.1	1222.4	1252.2	1337.9	1449.7	1494.4	1546.6	1684.5	1706.8
22.5°	1203.7	1203.7	1218.6	1203.7	1218.6	1259.6	1371.4	1427.3	1516.8	1669.6	1654.7
25°	1211.2	1218.6	1200.0	1200.0	1203.7	1229.8	1296.9	1375.2	1479.5	1677.0	1632.3
27.5°	1252.2	1241.0	1233.5	1214.9	1192.5	1200.0	1252.2	1315.5	1416.1	1688.2	1591.3
30°	1293.2	1282.0	1259.6	1248.4	1207.5	1203.7	1237.3	1304.3	1393.8	1699.4	1580.1
32.5°	1326.7	1341.6	1334.2	1323.0	1270.8	1211.2	1244.7	1300.6	1401.2	1740.4	1565.2
35°	1393.8	1390.1	1419.9	1390.1	1356.5	1274.5	1289.4	1334.2	1408.7	1781.4	1606.2
37.5°	1509.3	1490.7	1501.9	1487.0	1438.5	1360.2	1367.7	1393.8	1464.6	1855.9	1639.7
40°	1595.0	1587.6	1583.8	1621.1	1557.8	1464.6	1453.4	1475.8	1524.2	1930.4	1691.9
42.5°	1658.4	1669.6	1684.5	1703.1	1684.5	1602.5	1572.7	1587.6	1639.7	2042.2	1803.7
45°	1762.7	1740.4	1796.3	1870.8	1852.2	1773.9	1725.5	1751.5	1800.0	2176.4	1960.2
47.5°	1833.5	1833.5	1915.5	1975.2	2023.6	1975.2	1908.1	1934.2	1937.9	2336.6	2168.9
50°	1911.8	1915.5	2046.0	2135.4	2221.1	2232.3	2135.4	2150.3	2176.4	2549.1	2444.7
52.5°	2124.2	2135.4	2209.9	2329.2	2426.1	2515.5	2489.4	2426.1	2403.7	2768.9	2690.7
55°	2455.9	2418.6	2489.4	2552.8	2660.9	2802.5	2992.5	2858.4	2757.8	3003.7	2951.5
57.5°	2649.7	2690.7	2798.8	2880.7	3018.6	3145.3	3402.5	3350.3	3205.0	3286.9	3320.5
60°	2701.9	2750.3	2936.6	3119.2	3458.4	3670.8	3860.9	3730.4	3514.3	3588.8	3730.4
62.5°	2280.7	2355.3	2642.2	3078.3	3752.8	4464.6	4654.6	4375.1	4036.0	4054.6	4267.1
65°	1516.8	1587.6	1807.4	2351.5	3473.3	5176.4	5873.3	5362.7	4870.8	4807.4	4990.0
67.5°	857.1	853.4	913.0	1315.5	2392.5	5086.9	7524.2	7144.1	6104.3	5564.0	5519.2
70°	648.4	648.4	648.4	775.2	1121.7	3670.8	8388.8	8675.8	7349.0	6223.6	5657.1
72.5°	506.8	491.9	510.6	626.1	805.0	1773.9	7378.9	9167.7	7952.8	6007.4	4524.2
75°	365.2	365.2	391.3	510.6	745.3	872.0	5023.6	7073.3	6536.6	4542.8	2638.5
77.5°	264.6	260.9	298.1	409.9	685.7	778.9	2519.2	4248.4	3682.0	2168.9	689.4
80°	167.7	171.4	201.2	301.9	614.9	749.1	1136.6	2034.8	1371.4	525.5	249.7
82.5°	100.6	104.3	134.2	193.8	465.8	696.9	905.6	942.9	551.6	253.4	145.3
85°	55.9	55.9	82.0	119.3	275.8	689.4	816.1	730.4	391.3	156.5	74.5
87.5°	18.6	18.6	33.5	48.4	119.3	372.7	525.5	480.7	234.8	74.5	26.1
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°	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9	1978.9
2.5°	1964.0	1971.4	1937.9	1908.1	1904.3	1859.6	1863.3	1848.4	1822.4	1807.4	1777.6
5°	1930.4	1908.1	1859.6	1807.4	1759.0	1706.8	1662.1	1632.3	1609.9	1591.3	1595.0
7.5°	1844.7	1822.4	1755.3	1669.6	1595.0	1516.8	1442.2	1360.2	1319.3	1293.2	1270.8
10°	1788.8	1740.4	1654.7	1501.9	1390.1	1267.1	1151.5	1047.2	931.7	883.2	875.8
12.5°	1755.3	1688.2	1542.9	1349.1	1188.8	1021.1	842.2	693.2	592.5	536.6	525.5
15°	1706.8	1639.7	1408.7	1222.4	995.0	775.2	573.9	458.4	406.2	391.3	395.0
17.5°	1647.2	1557.8	1311.8	1065.8	771.4	536.6	417.4	380.1	350.3	339.1	339.1
20°	1609.9	1460.9	1170.2	872.0	562.7	402.5	346.6	324.2	313.0	309.3	313.0
22.5°	1557.8	1382.6	1047.2	674.5	402.5	331.7	301.9	290.7	290.7	290.7	290.7
25°	1494.4	1315.5	898.1	484.5	320.5	279.5	272.0	268.3	268.3	275.8	275.8
27.5°	1457.1	1229.8	741.6	357.8	272.0	246.0	242.2	246.0	257.1	260.9	260.9
30°	1393.8	1151.5	592.5	298.1	238.5	227.3	227.3	227.3	234.8	238.5	238.5
32.5°	1356.5	1103.1	450.9	253.4	216.1	212.4	212.4	212.4	216.1	219.9	219.9
35°	1356.5	1054.7	350.3	231.1	205.0	197.5	197.5	197.5	201.2	201.2	201.2
37.5°	1382.6	1017.4	290.7	212.4	193.8	190.1	190.1	190.1	186.3	186.3	190.1
40°	1405.0	983.8	264.6	201.2	190.1	182.6	182.6	178.9	178.9	178.9	182.6
42.5°	1468.3	983.8	242.2	193.8	186.3	175.2	175.2	171.4	171.4	175.2	175.2
45°	1595.0	980.1	227.3	190.1	178.9	171.4	164.0	164.0	167.7	171.4	171.4
47.5°	1766.5	987.6	219.9	186.3	171.4	164.0	156.5	156.5	160.2	171.4	171.4
50°	1937.9	1036.0	216.1	178.9	167.7	156.5	152.8	152.8	160.2	167.7	167.7
52.5°	2183.8	1132.9	219.9	178.9	167.7	152.8	149.1	149.1	152.8	160.2	160.2
55°	2418.6	1278.3	227.3	178.9	164.0	152.8	145.3	141.6	145.3	149.1	152.8
57.5°	2754.0	1494.4	231.1	175.2	160.2	152.8	141.6	134.2	137.9	141.6	141.6
60°	3175.1	1818.6	249.7	178.9	160.2	145.3	134.2	123.0	126.7	126.7	123.0
62.5°	3756.5	2351.5	279.5	186.3	160.2	137.9	123.0	115.5	111.8	111.8	111.8
65°	4382.6	2739.1	290.7	197.5	171.4	134.2	111.8	100.6	100.6	100.6	100.6
67.5°	4807.4	2906.8	264.6	201.2	190.1	130.4	104.3	93.2	89.4	85.7	85.7
70°	4472.0	2403.7	231.1	190.1	193.8	126.7	96.9	85.7	78.3	78.3	74.5
72.5°	3313.0	1408.7	201.2	178.9	175.2	119.3	93.2	82.0	74.5	67.1	67.1
75°	1609.9	521.7	178.9	160.2	145.3	100.6	85.7	74.5	67.1	59.6	59.6
77.5°	409.9	227.3	137.9	134.2	111.8	82.0	74.5	67.1	59.6	52.2	48.4
80°	208.7	160.2	104.3	100.6	78.3	67.1	59.6	52.2	44.7	41.0	41.0
82.5°	130.4	104.3	82.0	70.8	52.2	48.4	44.7	37.3	33.5	26.1	26.1
85°	67.1	59.6	52.2	41.0	29.8	26.1	22.4	18.6	18.6	11.2	11.2
87.5°	29.8	26.1	22.4	14.9	7.5	7.5	3.7	3.7	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)