

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: P484627

Luminaire Tested: **IFLD-S-SA2C-722-U-SL4-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484627
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-722-U-SL4-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

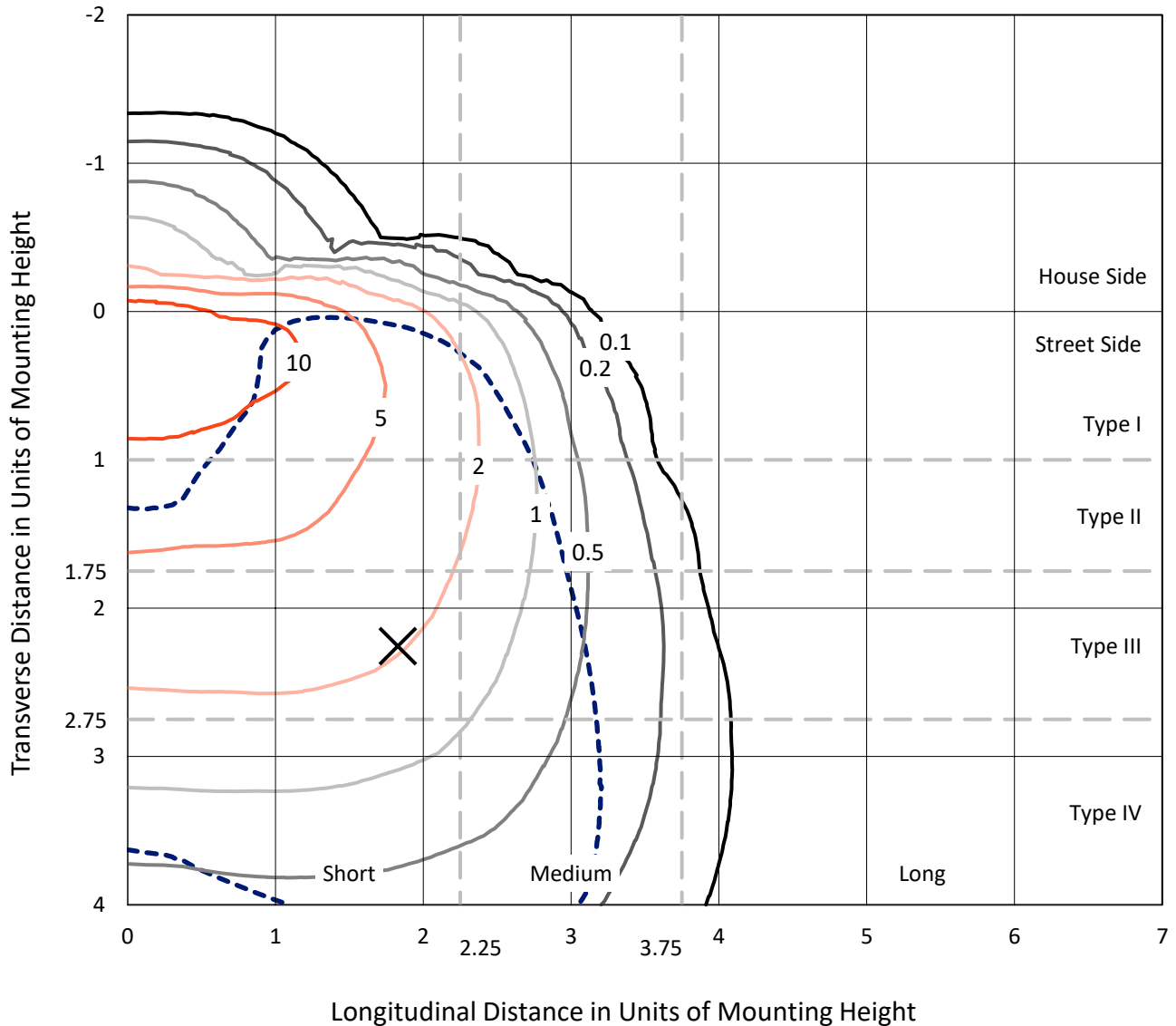
Lumens per Lamp: N/A
Luminaire Lumens: 8649.1 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2
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

REPORT NUMBER: P484627
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

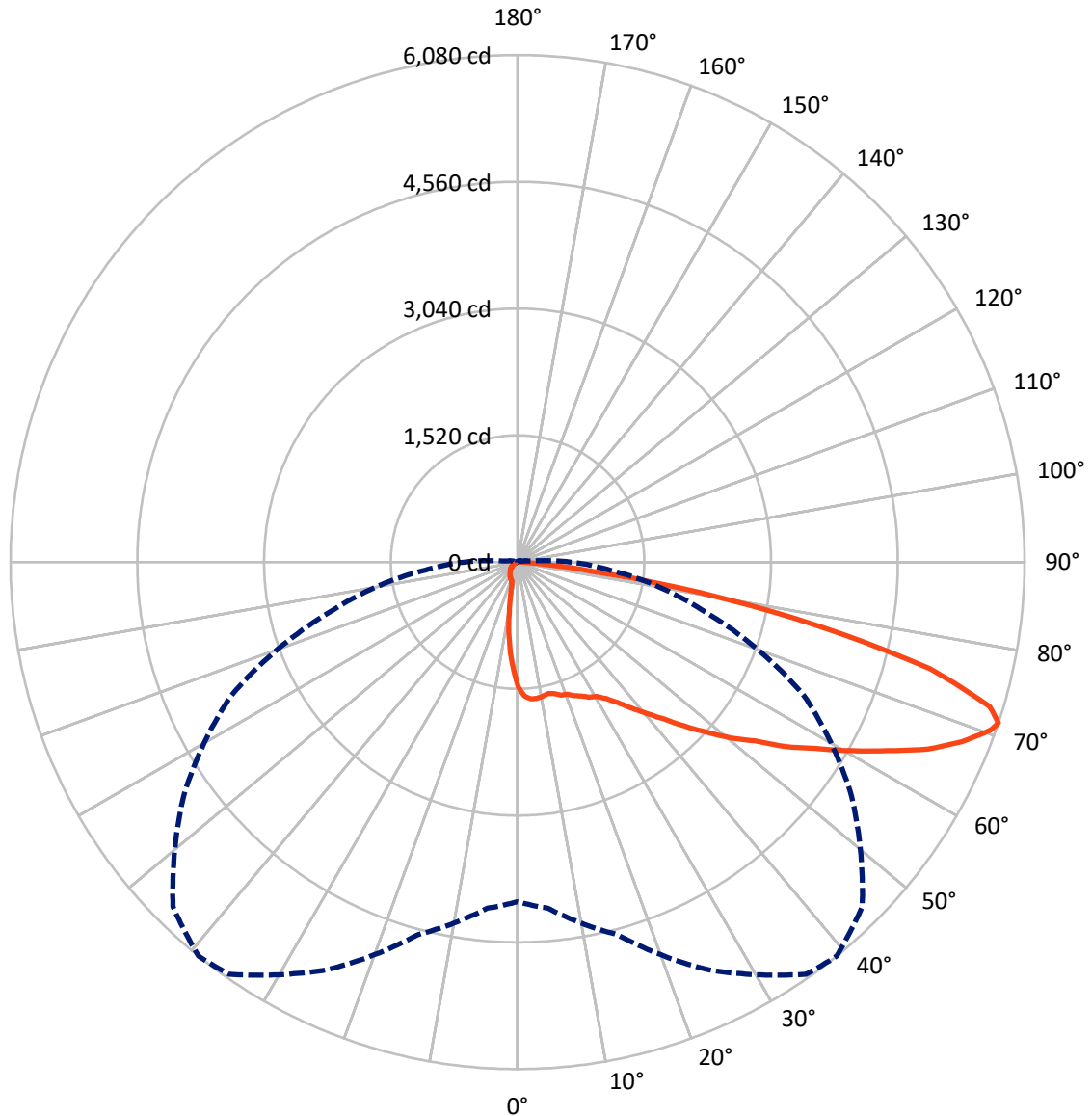
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P484627
CATALOG NUMBER: IFLD-S-SA2C-722-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P484627
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL4-HSS

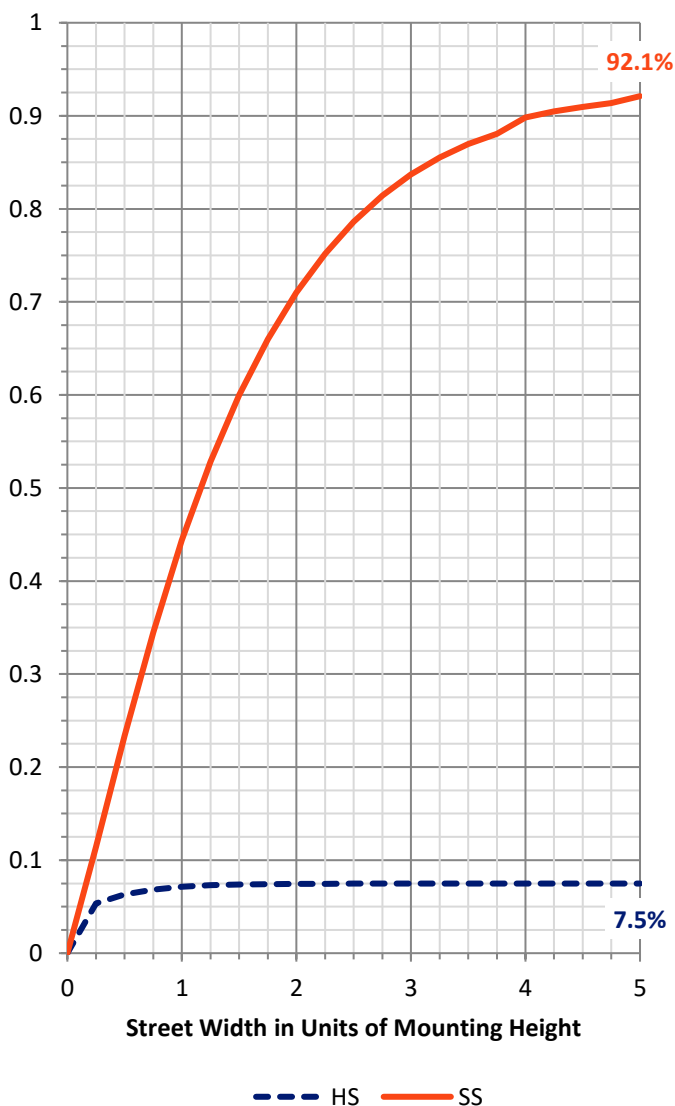
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.1	0.0	651.1
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	7998.0	0.0	7998.0
	% Fixture	92.5	0.0	92.5
Total	Lumens	8649.1	0.0	8649.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.5
10°-20°	309.8	3.6
20°-30°	497.3	5.7
30°-40°	761.3	8.8
40°-50°	1222.0	14.1
50°-60°	1794.9	20.8
60°-70°	2260.6	26.1
70°-80°	1508.7	17.4
80°-90°	168.6	1.9
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°	8649.1	100.0
0°-180°	8649.1	100.0

Coefficient of Utilization



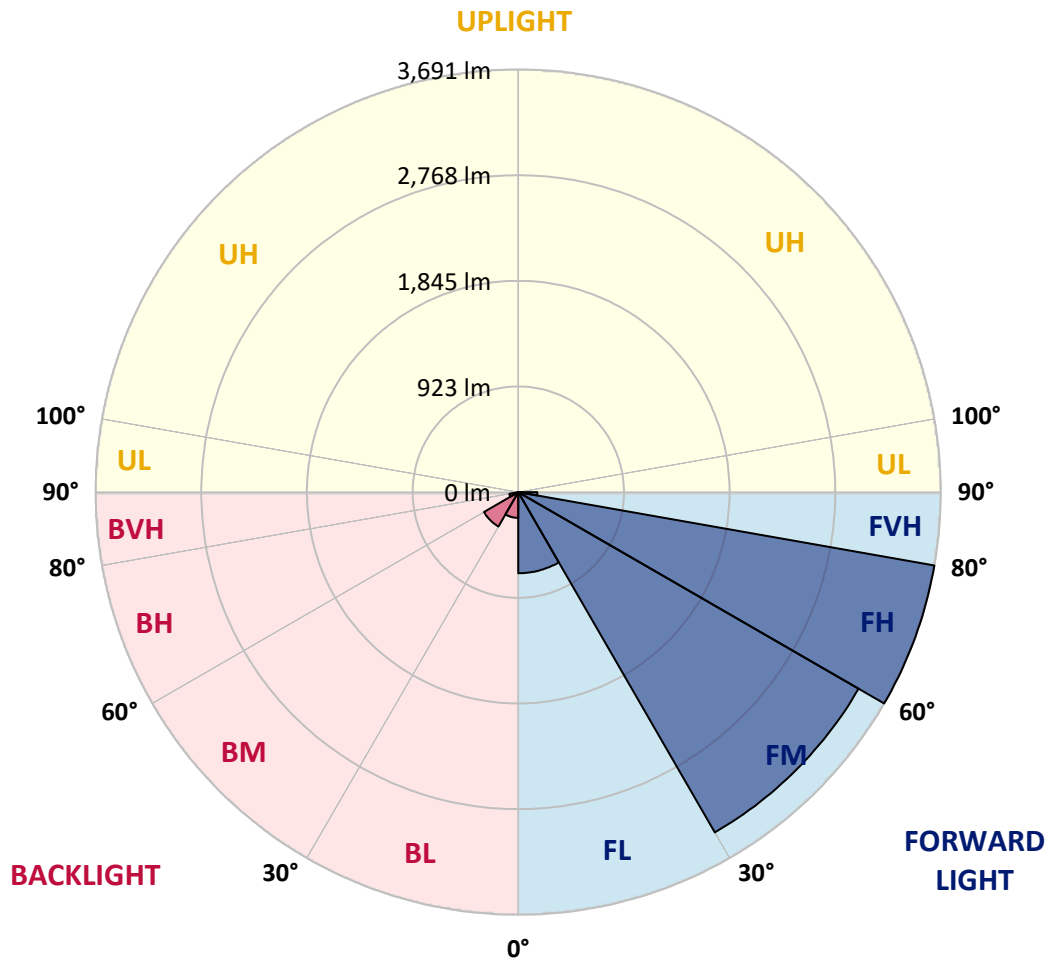
REPORT NUMBER: P484627
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.2	8.2			
FM (30°-60°)	3432.1	39.7			
FH (60°-80°)	3691.0	42.7			G2/5000
FVH (80°-90°)	166.8	1.9			G2/225
BL (0°-30°)	224.8	2.6	B1/500		
BM (30°-60°)	346.1	4.0	B1/1000		
BH (60°-80°)	78.4	0.9	B0/110		G0/110
BVH (80°-90°)	1.9	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 IV Short





REPORT NUMBER: P484627

CATALOG NUMBER: IFLD-S-SA2C-722-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4
2.5°	1622.3	1638.2	1622.3	1615.5	1608.7	1609.8	1591.7	1595.1	1573.5	1545.1	1522.5
5°	1673.3	1694.9	1677.9	1669.9	1668.8	1647.2	1638.2	1616.6	1590.5	1546.3	1519.0
7.5°	1668.8	1664.3	1672.2	1665.4	1650.6	1650.6	1640.4	1609.8	1583.7	1533.8	1487.3
10°	1634.8	1648.4	1641.6	1633.6	1637.0	1638.2	1618.9	1597.3	1589.4	1539.5	1463.5
12.5°	1631.4	1608.7	1633.6	1634.8	1620.0	1618.9	1616.6	1610.9	1586.0	1540.6	1469.1
15°	1620.0	1610.9	1635.9	1637.0	1640.4	1637.0	1640.4	1635.9	1610.9	1584.8	1494.1
17.5°	1629.1	1618.9	1654.0	1671.1	1663.1	1679.0	1673.3	1652.9	1631.4	1600.7	1517.9
20°	1631.4	1646.1	1684.7	1691.5	1716.4	1690.4	1689.2	1667.7	1654.0	1621.1	1532.7
22.5°	1673.3	1680.1	1727.8	1742.5	1743.7	1740.3	1711.9	1686.9	1681.3	1640.4	1536.1
25°	1736.9	1760.7	1782.2	1791.3	1794.7	1778.8	1749.3	1717.6	1704.0	1677.9	1571.2
27.5°	1849.2	1834.4	1853.7	1867.3	1828.8	1834.4	1797.0	1769.8	1750.5	1727.8	1612.1
30°	1949.0	1935.4	1936.5	1934.3	1901.4	1870.7	1860.5	1812.9	1789.0	1798.1	1675.6
32.5°	2038.6	2009.1	2034.1	2022.7	1961.5	1952.4	1944.5	1884.3	1888.9	1930.9	1770.9
35°	2121.4	2111.2	2131.7	2111.2	2070.4	2068.1	2060.2	2008.0	2033.0	2093.1	1934.3
37.5°	2197.5	2200.9	2225.8	2215.6	2219.0	2221.3	2216.7	2161.2	2232.6	2367.6	2124.9
40°	2267.8	2263.3	2324.5	2356.3	2363.1	2388.0	2388.0	2374.4	2484.5	2636.5	2389.2
42.5°	2342.7	2354.0	2433.4	2486.7	2551.4	2573.0	2602.5	2609.3	2779.4	2953.0	2659.2
45°	2465.2	2445.9	2546.9	2672.8	2729.5	2805.5	2850.9	2889.5	3094.8	3333.1	2929.2
47.5°	2620.6	2582.0	2670.5	2853.2	2984.8	3047.2	3128.9	3179.9	3380.7	3626.9	3184.4
50°	2793.0	2753.3	2796.5	3048.3	3201.5	3314.9	3419.3	3483.9	3726.7	3955.9	3370.5
52.5°	2988.2	2951.9	2958.7	3251.4	3477.1	3559.9	3697.2	3793.6	4035.3	4154.4	3436.3
55°	3195.8	3186.7	3165.2	3449.9	3718.8	3904.8	3987.6	4103.4	4351.8	4262.2	3507.8
57.5°	3404.5	3376.2	3406.8	3713.1	4106.8	4217.9	4332.5	4401.7	4527.6	4356.3	3480.5
60°	3600.8	3603.1	3646.2	3999.0	4436.9	4594.6	4697.8	4655.8	4708.0	4397.2	3418.1
62.5°	3766.4	3761.9	3870.8	4320.0	4873.7	4980.3	5057.4	4870.3	4792.0	4436.9	3309.2
65°	3915.0	3966.1	4137.4	4702.4	5284.3	5406.9	5360.3	5073.3	4873.7	4320.0	3002.9
67.5°	4027.3	4103.4	4400.6	5062.0	5661.0	5747.2	5682.5	5227.6	4777.2	3861.7	2445.9
70°	4093.1	4170.3	4588.9	5361.5	5961.6	6024.0	5872.0	5108.5	4214.5	2796.5	1525.9
71°	4072.7	4166.9	4625.2	5393.2	6033.1	6079.6	5843.6	4888.4	3790.2	2341.5	1112.9
72.5°	3887.8	3976.3	4474.3	5370.6	5946.9	5918.5	5622.4	4359.7	2983.6	1493.0	575.2
75°	2856.6	2951.9	3840.2	4645.6	5308.2	5113.0	4550.3	3059.6	1556.5	457.2	167.9
77.5°	1422.6	1438.5	2383.5	3372.8	3893.5	3699.5	3049.4	1706.2	582.0	135.0	84.0
80°	655.7	660.3	894.0	1747.1	2354.0	2215.6	1708.5	841.8	263.2	71.5	65.8
82.5°	447.0	453.8	538.9	723.8	1022.2	862.2	692.0	538.9	150.9	43.1	64.7
85°	81.7	74.9	301.8	383.4	394.8	267.7	239.4	466.3	56.7	25.0	56.7
87.5°	0.0	1.1	42.0	156.6	140.7	62.4	81.7	113.4	5.7	7.9	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P484627

CATALOG NUMBER: IFLD-S-SA2C-722-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4	1505.4
2.5°	1503.2	1490.7	1448.7	1402.2	1360.2	1327.3	1285.3	1266.1	1235.4	1218.4	1217.3
5°	1481.6	1447.6	1375.0	1296.7	1209.3	1136.7	1056.2	1010.8	958.6	942.7	939.3
7.5°	1445.3	1396.5	1289.9	1179.8	1046.0	917.8	819.1	713.6	648.9	621.7	611.5
10°	1422.6	1363.6	1218.4	1053.9	866.7	686.4	547.9	435.6	376.6	348.3	341.5
12.5°	1422.6	1359.1	1160.6	933.7	685.2	469.7	339.2	274.5	255.3	248.4	248.4
15°	1419.2	1350.0	1105.0	810.0	507.1	315.4	253.0	239.4	237.1	236.0	234.8
17.5°	1436.2	1334.1	1048.2	677.3	358.5	248.4	232.6	230.3	228.0	228.0	225.8
20°	1448.7	1325.1	980.2	536.6	267.7	230.3	223.5	220.1	219.0	217.8	220.1
22.5°	1438.5	1311.4	896.2	401.6	233.7	219.0	214.4	211.0	208.7	208.7	209.9
25°	1457.8	1299.0	812.3	302.9	219.0	208.7	204.2	201.9	200.8	199.7	197.4
27.5°	1483.9	1304.6	712.4	243.9	206.5	198.5	194.0	191.7	190.6	188.3	190.6
30°	1515.6	1303.5	602.4	213.3	195.1	187.2	182.6	181.5	179.2	178.1	179.2
32.5°	1570.1	1333.0	489.0	197.4	182.6	175.8	171.3	170.2	169.0	167.9	166.8
35°	1686.9	1369.3	382.3	184.9	171.3	163.4	160.0	157.7	156.6	155.4	154.3
37.5°	1831.0	1449.8	291.6	173.6	160.0	152.0	148.6	147.5	142.9	141.8	140.7
40°	2011.4	1536.1	224.6	161.1	149.7	141.8	138.4	135.0	129.3	127.1	124.8
42.5°	2236.0	1620.0	184.9	149.7	138.4	132.7	127.1	121.4	116.8	112.3	110.0
45°	2460.7	1717.6	162.2	139.5	129.3	122.5	118.0	110.0	102.1	95.3	94.2
47.5°	2647.8	1752.7	148.6	128.2	120.3	114.6	107.8	97.6	86.2	79.4	78.3
50°	2787.4	1732.3	135.0	116.8	110.0	104.4	95.3	82.8	71.5	64.7	62.4
52.5°	2814.6	1642.7	122.5	107.8	99.8	93.0	82.8	69.2	56.7	49.9	48.8
55°	2795.3	1494.1	112.3	99.8	90.8	80.5	69.2	55.6	44.2	37.4	36.3
57.5°	2755.6	1318.2	101.0	89.6	79.4	69.2	56.7	45.4	32.9	26.1	26.1
60°	2620.6	1078.9	89.6	78.3	68.1	59.0	46.5	32.9	22.7	17.0	15.9
62.5°	2432.3	829.3	78.3	66.9	59.0	48.8	36.3	23.8	13.6	9.1	9.1
65°	2088.5	580.8	65.8	55.6	48.8	39.7	27.2	14.7	7.9	3.4	3.4
67.5°	1587.1	359.6	54.5	46.5	42.0	31.8	19.3	9.1	3.4	1.1	0.0
70°	911.0	187.2	43.1	37.4	32.9	23.8	13.6	4.5	2.3	0.0	0.0
71°	636.4	138.4	38.6	32.9	29.5	21.6	11.3	3.4	1.1	0.0	0.0
72.5°	318.8	91.9	32.9	27.2	23.8	17.0	9.1	3.4	1.1	0.0	0.0
75°	113.4	59.0	22.7	18.2	17.0	12.5	5.7	2.3	1.1	0.0	0.0
77.5°	78.3	47.6	15.9	11.3	11.3	7.9	3.4	1.1	1.1	0.0	0.0
80°	71.5	26.1	10.2	6.8	5.7	4.5	2.3	1.1	0.0	0.0	0.0
82.5°	71.5	19.3	5.7	4.5	3.4	2.3	1.1	0.0	0.0	0.0	0.0
85°	49.9	10.2	3.4	3.4	2.3	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	7.9	3.4	2.3	1.1	1.1	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)