

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: P480336

Luminaire Tested: **IFLD-S-SA2B-722-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480336
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

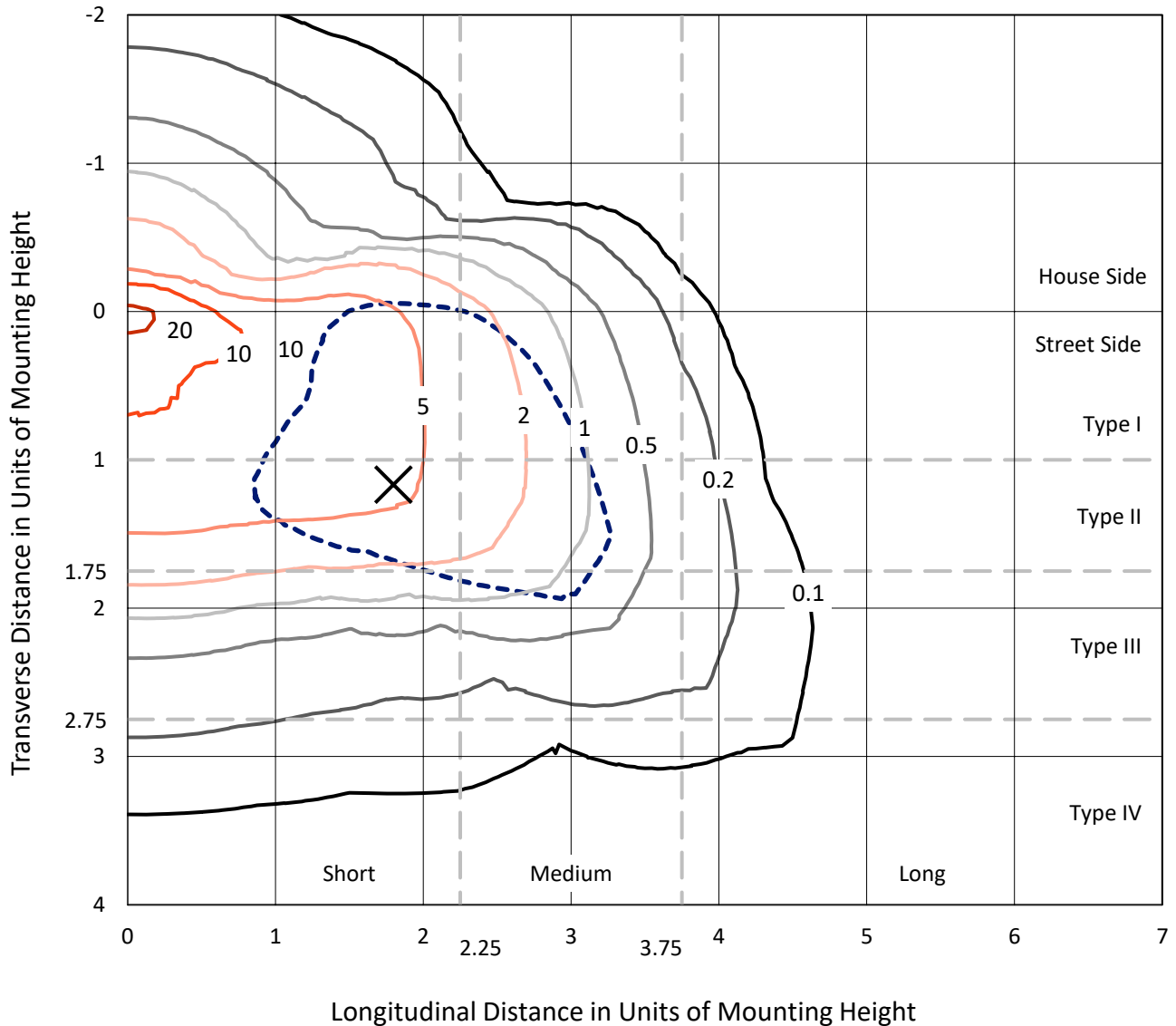
Lumens per Lamp: N/A
Luminaire Lumens: 8298.7 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
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

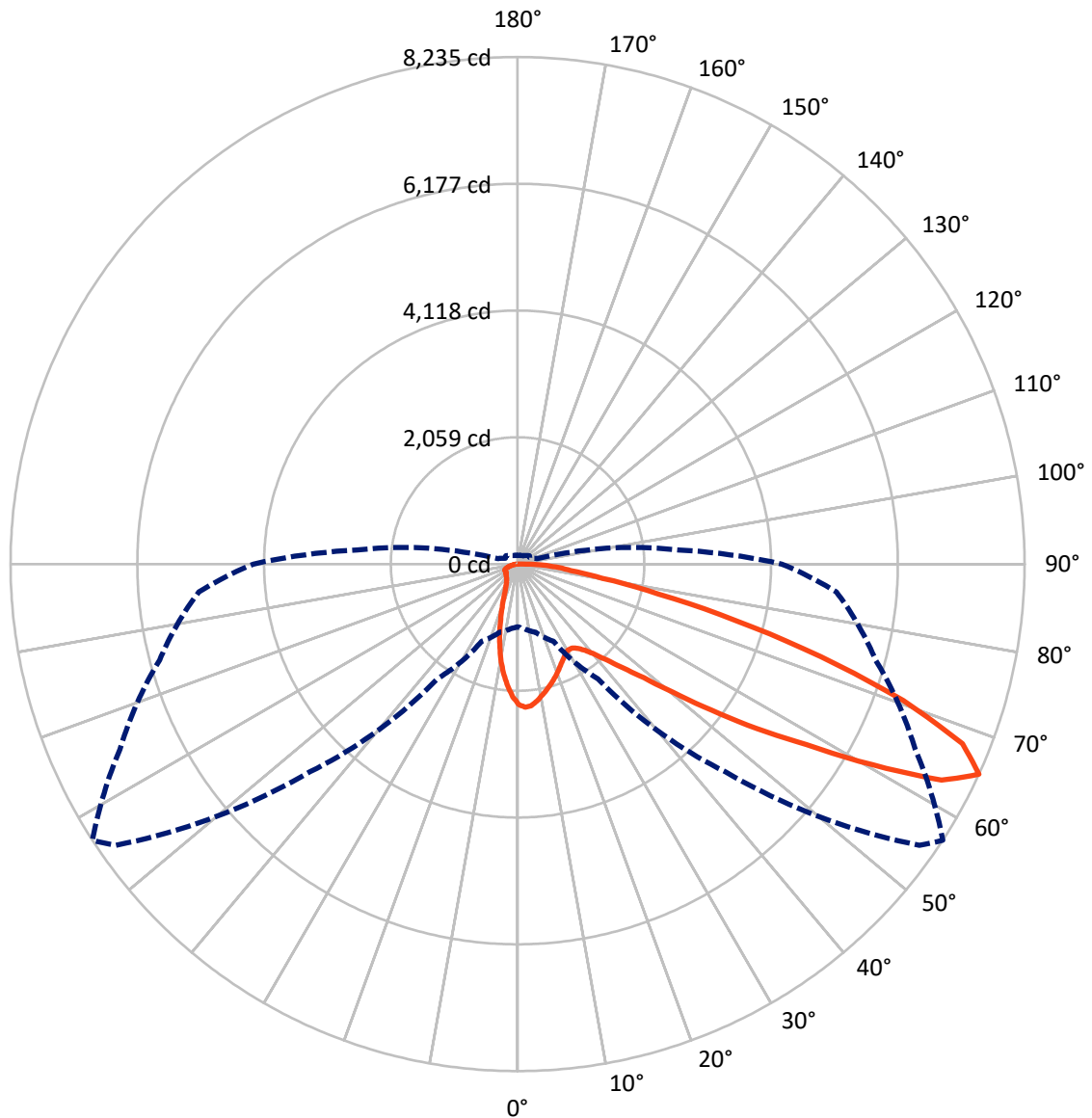
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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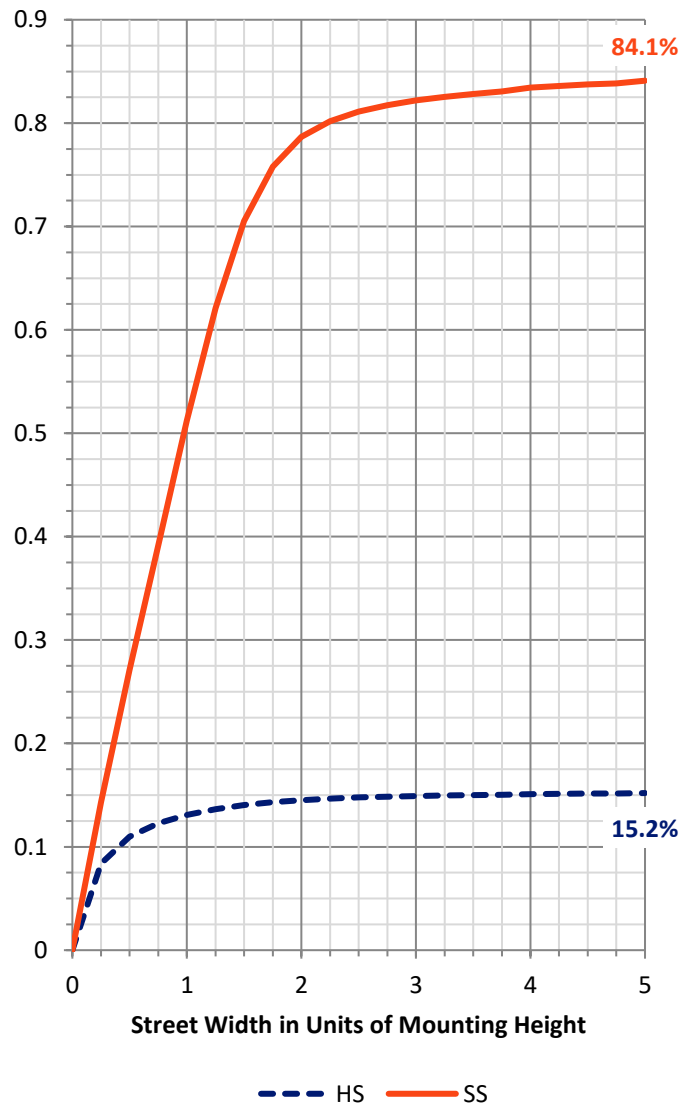
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1272.7	0.0	1272.7
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	7026.0	0.0	7026.0
	% Fixture	84.7	0.0	84.7
Total	Lumens	8298.7	0.0	8298.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.1	2.3
10°-20°	411.3	5.0
20°-30°	531.7	6.4
30°-40°	715.6	8.6
40°-50°	1141.0	13.7
50°-60°	2015.3	24.3
60°-70°	2217.1	26.7
70°-80°	927.4	11.2
80°-90°	148.2	1.8
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°	8298.7	100.0
0°-180°	8298.7	100.0

Coefficient of Utilization



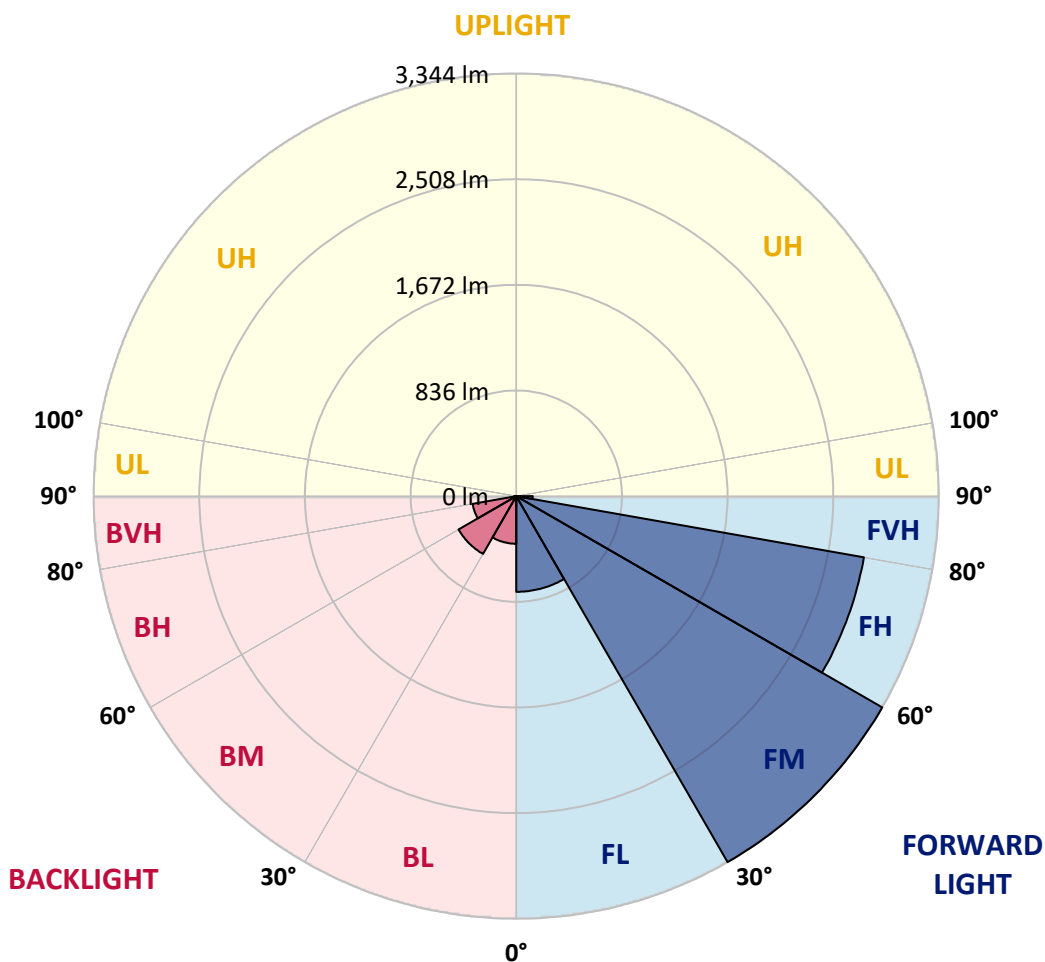
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.2	9.1			
FM (30°-60°)	3344.4	40.3			
FH (60°-80°)	2793.6	33.7			G2/5000
FVH (80°-90°)	130.8	1.6			G2/225
BL (0°-30°)	376.9	4.5	B1/500		
BM (30°-60°)	527.5	6.4	B1/1000		
BH (60°-80°)	350.9	4.2	B1/500		G1/500
BVH (80°-90°)	17.4	0.2			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0
2.5°	2343.6	2347.4	2347.4	2354.9	2329.6	2341.8	2339.9	2328.7	2332.4	2312.8	2293.2
5°	2277.4	2274.6	2289.5	2291.4	2311.0	2316.6	2321.2	2313.8	2315.6	2272.7	2254.0
7.5°	2107.4	2106.5	2131.7	2153.2	2194.3	2232.5	2257.7	2250.3	2260.5	2233.5	2189.6
10°	1905.7	1927.2	1953.4	1974.8	2050.5	2099.0	2164.4	2170.9	2210.1	2203.6	2124.2
12.5°	1754.5	1763.8	1783.4	1845.0	1914.1	1994.4	2087.8	2096.2	2134.5	2153.2	2084.1
15°	1630.3	1638.7	1663.9	1709.6	1787.1	1882.4	2001.0	2022.4	2099.0	2105.5	2031.8
17.5°	1539.7	1546.2	1563.1	1608.8	1672.3	1794.6	1906.7	1944.9	2045.8	2077.5	1977.6
20°	1504.2	1490.2	1499.6	1528.5	1592.0	1686.3	1831.0	1864.6	1993.5	2056.1	1926.3
22.5°	1488.4	1476.2	1481.8	1480.0	1530.4	1597.6	1749.8	1785.3	1944.0	2030.9	1880.5
25°	1500.5	1500.5	1494.9	1490.2	1495.8	1539.7	1662.0	1717.1	1877.7	2009.4	1833.8
27.5°	1565.9	1540.6	1543.4	1523.8	1518.2	1518.2	1622.8	1655.5	1856.2	1997.2	1795.6
30°	1607.9	1620.0	1620.9	1592.0	1563.1	1510.8	1586.4	1618.1	1838.5	2012.2	1773.1
32.5°	1715.3	1709.6	1693.8	1688.2	1645.2	1586.4	1604.1	1625.6	1828.2	2045.8	1779.7
35°	1822.6	1819.8	1820.8	1818.0	1773.1	1686.3	1651.8	1680.7	1846.9	2104.6	1802.1
37.5°	1933.7	1941.2	1973.0	1973.0	1925.3	1831.0	1785.3	1776.9	1915.1	2200.8	1855.3
40°	2044.9	2063.5	2103.7	2167.2	2099.9	2012.2	1938.4	1925.3	1997.2	2329.6	1983.2
42.5°	2151.3	2182.1	2261.5	2355.8	2333.4	2245.6	2147.6	2132.6	2166.2	2521.1	2161.6
45°	2287.6	2313.8	2438.9	2583.6	2614.4	2536.9	2422.1	2409.9	2408.1	2801.2	2407.1
47.5°	2494.9	2522.9	2648.0	2793.7	2888.9	2901.1	2772.2	2759.2	2714.3	3179.3	2766.6
50°	2754.5	2800.2	2905.7	3075.7	3213.9	3343.7	3307.3	3269.0	3181.2	3619.1	3222.3
52.5°	2944.0	3000.1	3142.9	3360.5	3604.2	3810.5	3941.3	3941.3	3739.6	4101.9	3770.4
55°	2994.5	3028.1	3208.3	3522.9	3940.3	4462.3	4735.8	4715.3	4404.4	4609.8	4408.1
57.5°	2793.7	2837.6	3056.1	3385.7	4116.8	5072.0	5524.8	5529.5	5130.8	5199.9	5037.4
60°	2240.9	2254.9	2512.7	2953.4	3946.9	5563.1	6602.4	6620.1	5957.2	5725.6	5357.7
62.5°	1549.0	1593.9	1788.1	2174.6	3269.9	5508.0	7641.6	7729.4	6619.2	6002.9	5408.1
65°	1019.6	1046.7	1150.3	1385.6	2276.4	4774.1	7964.7	8235.4	7125.2	6018.8	5197.1
67.5°	739.5	744.2	775.0	896.4	1367.9	3433.3	7412.8	7794.7	7314.8	5886.2	4702.2
70°	597.6	601.3	612.5	690.0	883.3	2148.5	6045.9	6644.4	6746.2	5257.8	3787.2
72.5°	485.5	490.2	504.2	577.0	728.3	1195.2	4421.2	5150.4	5487.5	3889.9	2517.3
75°	381.9	385.6	419.2	491.1	684.4	820.7	2932.8	3647.1	3692.9	2273.6	1178.4
77.5°	261.4	268.0	309.1	416.4	644.3	718.0	1828.2	2336.2	2096.2	889.8	405.2
80°	166.2	175.5	199.8	315.6	569.6	685.4	1137.3	1395.0	917.9	304.4	195.1
82.5°	98.0	107.4	131.7	204.5	447.3	635.9	801.1	873.0	430.4	155.9	117.6
85°	54.2	60.7	79.4	123.3	262.4	564.9	641.5	626.5	246.5	83.1	73.8
87.5°	17.7	20.5	28.9	49.5	108.3	266.1	384.7	361.4	127.9	38.3	28.9
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°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0
2.5°	2280.2	2277.4	2235.3	2203.6	2149.4	2104.6	2086.9	2062.6	2061.7	2043.9	2039.3
5°	2225.1	2196.1	2131.7	2070.1	1973.9	1909.5	1850.6	1809.6	1792.8	1756.3	1747.9
7.5°	2154.1	2115.8	2016.8	1901.1	1788.1	1687.2	1595.7	1504.2	1452.9	1435.1	1415.5
10°	2080.3	2013.1	1866.5	1736.7	1578.9	1423.9	1280.1	1151.3	1081.3	1031.8	1010.3
12.5°	2021.5	1931.9	1745.1	1550.9	1342.7	1135.4	968.3	832.9	753.5	716.2	699.4
15°	1955.2	1836.6	1612.5	1367.0	1107.4	872.1	708.7	602.3	570.5	552.8	550.0
17.5°	1885.2	1747.9	1468.7	1185.8	877.7	656.4	550.9	507.9	493.9	486.5	482.7
20°	1819.8	1668.6	1321.2	984.1	687.2	526.6	477.1	454.7	453.8	457.5	456.6
22.5°	1727.4	1564.9	1175.6	797.4	549.0	458.5	426.7	421.1	426.7	431.4	433.2
25°	1675.1	1480.0	1013.1	633.1	453.8	407.1	396.8	395.0	403.4	409.0	408.0
27.5°	1620.9	1392.2	861.8	507.0	397.8	370.7	368.8	370.7	379.1	387.5	386.6
30°	1578.9	1322.2	719.9	423.9	354.8	344.5	342.7	344.5	349.2	350.1	350.1
32.5°	1544.4	1239.1	599.5	367.9	328.7	320.3	322.1	321.2	322.1	323.1	324.0
35°	1523.8	1189.6	500.5	333.3	307.2	300.7	299.7	296.9	297.9	298.8	297.9
37.5°	1567.7	1165.3	422.0	309.1	292.3	286.7	284.8	282.9	280.1	280.1	280.1
40°	1634.0	1152.2	374.4	293.2	281.1	274.5	268.9	267.0	267.0	268.0	268.9
42.5°	1765.7	1173.7	341.7	281.1	267.0	259.6	254.0	254.9	257.7	260.5	258.6
45°	1956.2	1239.1	326.8	271.7	258.6	248.4	244.6	243.7	246.5	251.2	254.9
47.5°	2205.5	1340.8	321.2	263.3	253.0	239.0	234.4	237.2	240.9	247.4	244.6
50°	2613.5	1569.6	325.9	255.8	244.6	234.4	228.8	226.0	228.8	233.4	235.3
52.5°	3146.7	1985.1	343.6	252.1	239.0	230.6	221.3	216.6	219.4	223.2	223.2
55°	3784.4	2552.8	393.1	247.4	229.7	225.0	214.8	205.4	207.3	207.3	206.4
57.5°	4346.5	2981.4	451.9	240.9	224.1	217.6	204.5	193.3	191.4	192.3	193.3
60°	4598.6	3095.3	479.9	239.0	224.1	208.2	190.5	179.3	176.5	174.6	174.6
62.5°	4554.7	2898.3	423.0	230.6	229.7	200.8	177.4	165.3	161.5	157.8	158.7
65°	4289.5	2617.2	333.3	219.4	230.6	196.1	164.3	152.2	145.7	141.0	140.1
67.5°	3804.9	2234.4	264.2	211.0	221.3	187.7	153.1	139.1	133.5	128.9	127.0
70°	2976.7	1751.7	229.7	199.8	198.9	167.1	140.1	127.9	119.5	113.9	113.9
72.5°	1930.0	1107.4	197.0	177.4	171.8	140.1	121.4	113.9	107.4	102.7	102.7
75°	874.0	514.5	158.7	148.5	140.1	112.0	102.7	99.0	93.4	88.7	88.7
77.5°	313.7	219.4	118.6	116.7	104.6	86.8	83.1	80.3	76.6	71.9	71.9
80°	175.5	139.1	88.7	85.0	72.8	64.4	59.8	59.8	57.9	55.1	54.2
82.5°	111.1	90.6	65.4	57.0	47.6	43.0	41.1	40.2	39.2	35.5	34.5
85°	70.0	61.6	43.0	33.6	28.0	21.5	20.5	19.6	17.7	15.9	15.9
87.5°	31.7	35.5	16.8	10.3	7.5	4.7	2.8	0.9	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)