

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: P478392

Luminaire Tested: **IFLD-S-SA3C-722-U-T4W**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478392
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-T4W
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

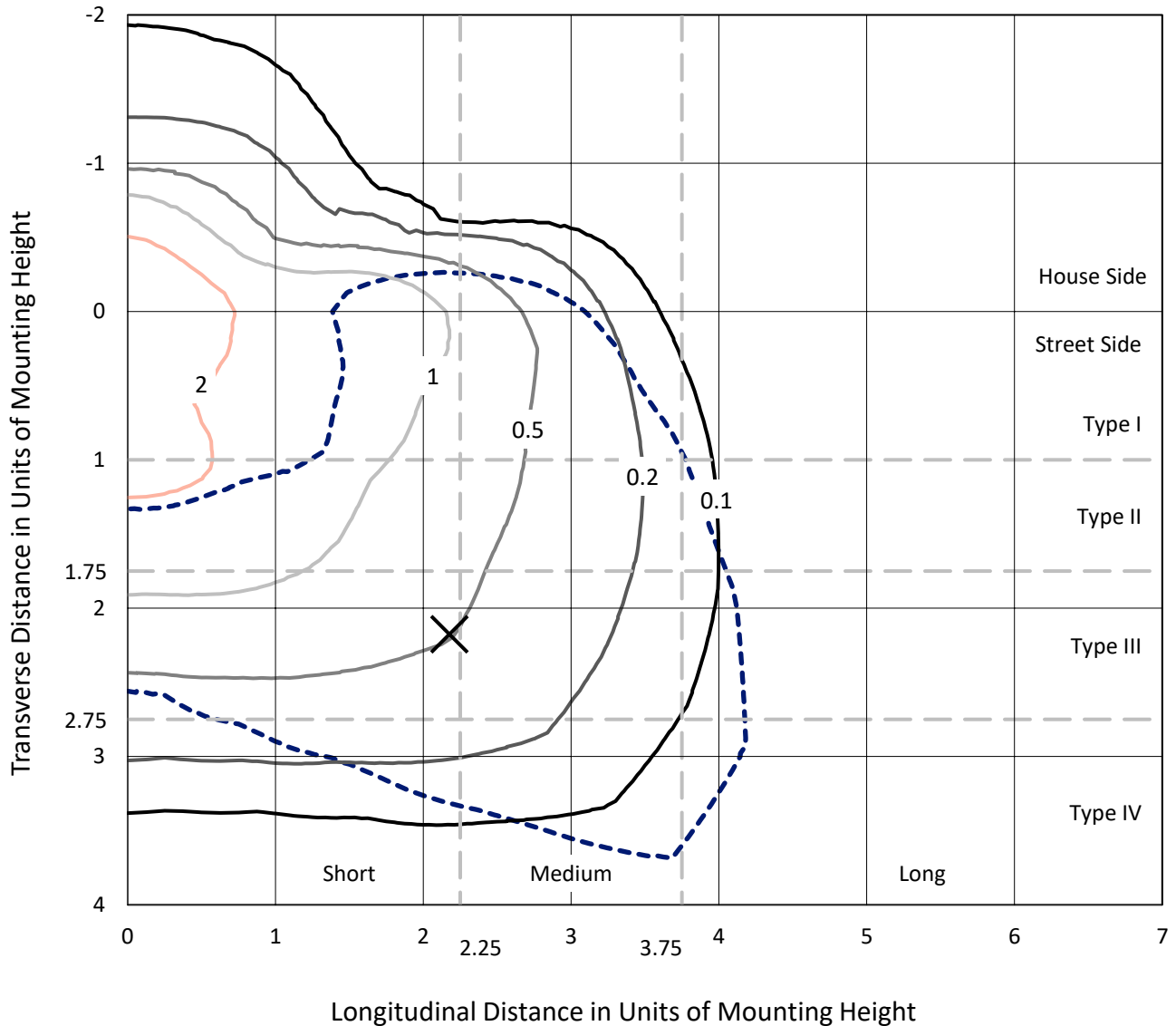
Lumens per Lamp: N/A
Luminaire Lumens: 15770.8 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

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

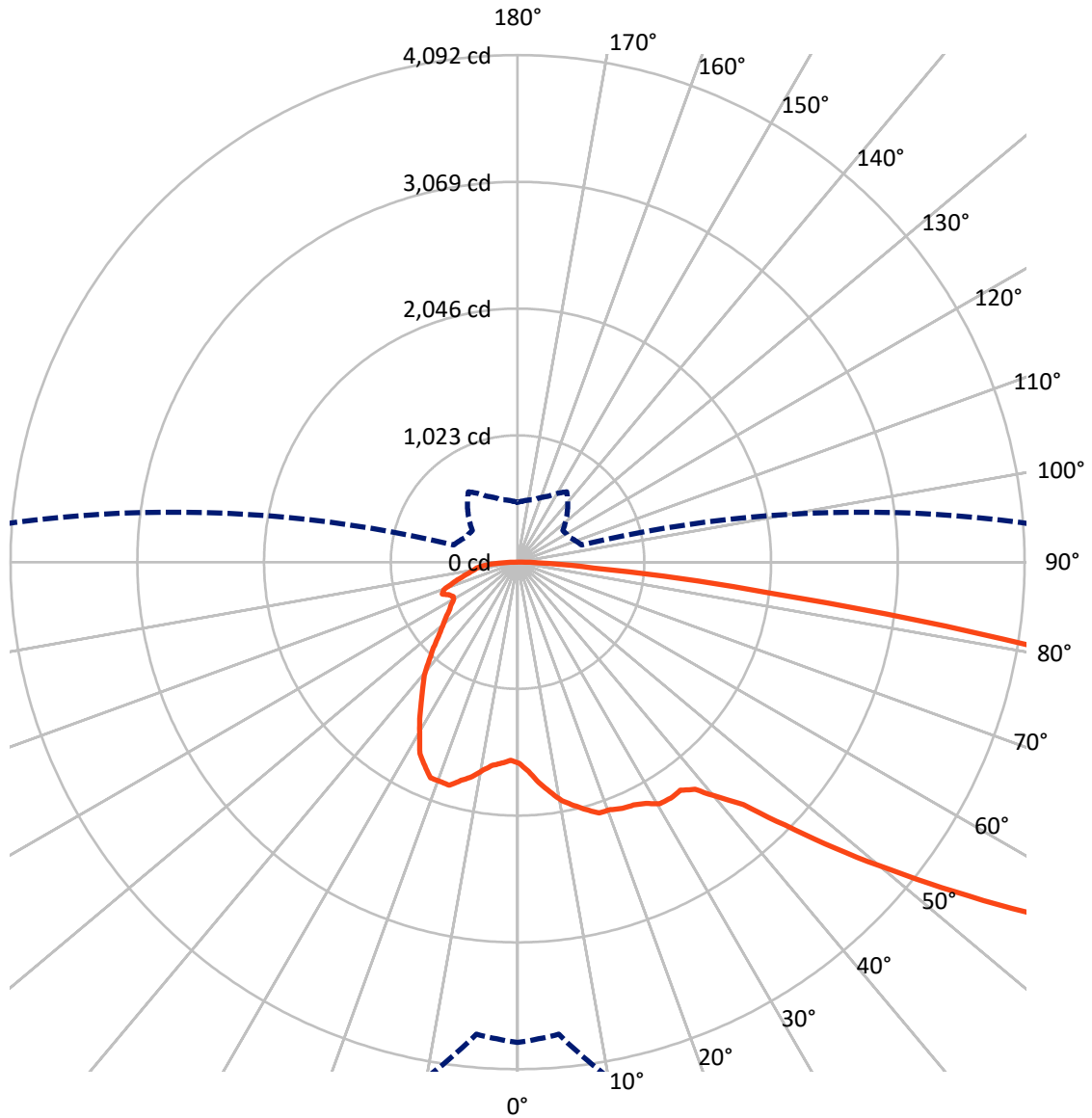
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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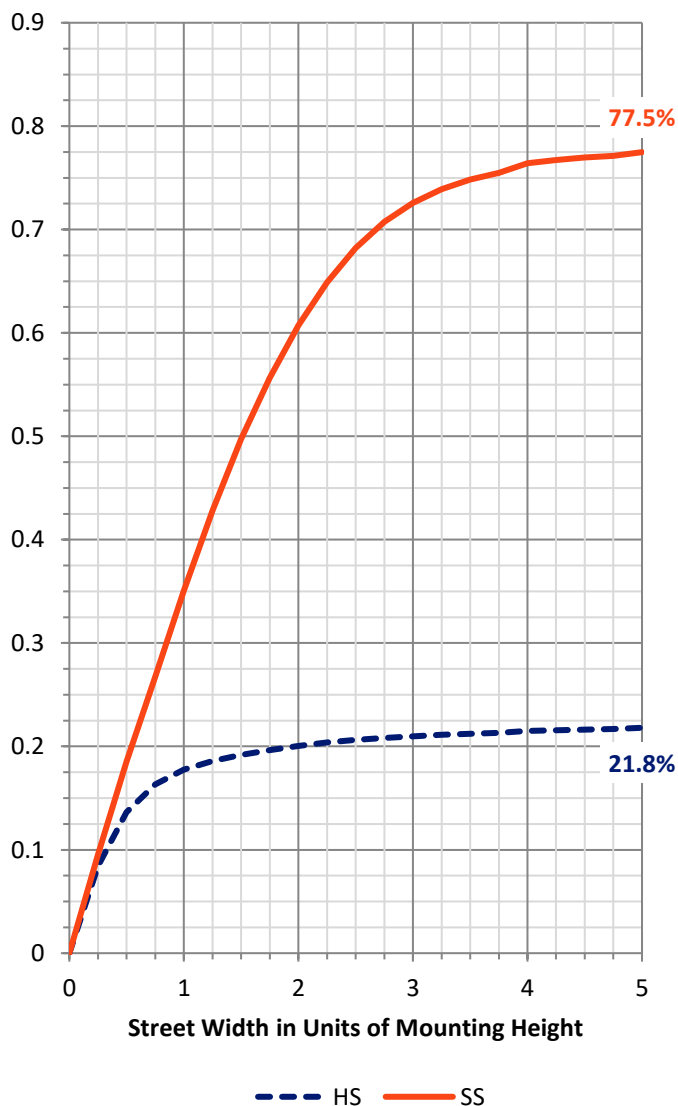
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3510.7	0.0	3510.7
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	12260.2	0.0	12260.2
	% Fixture	77.7	0.0	77.7
Total	Lumens	15770.8	0.0	15770.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	1.1
10°-20°	552.9	3.5
20°-30°	933.7	5.9
30°-40°	1292.2	8.2
40°-50°	1848.3	11.7
50°-60°	2981.1	18.9
60°-70°	4396.7	27.9
70°-80°	3192.8	20.2
80°-90°	407.0	2.6
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°	15770.8	100.0
0°-180°	15770.8	100.0

Coefficient of Utilization



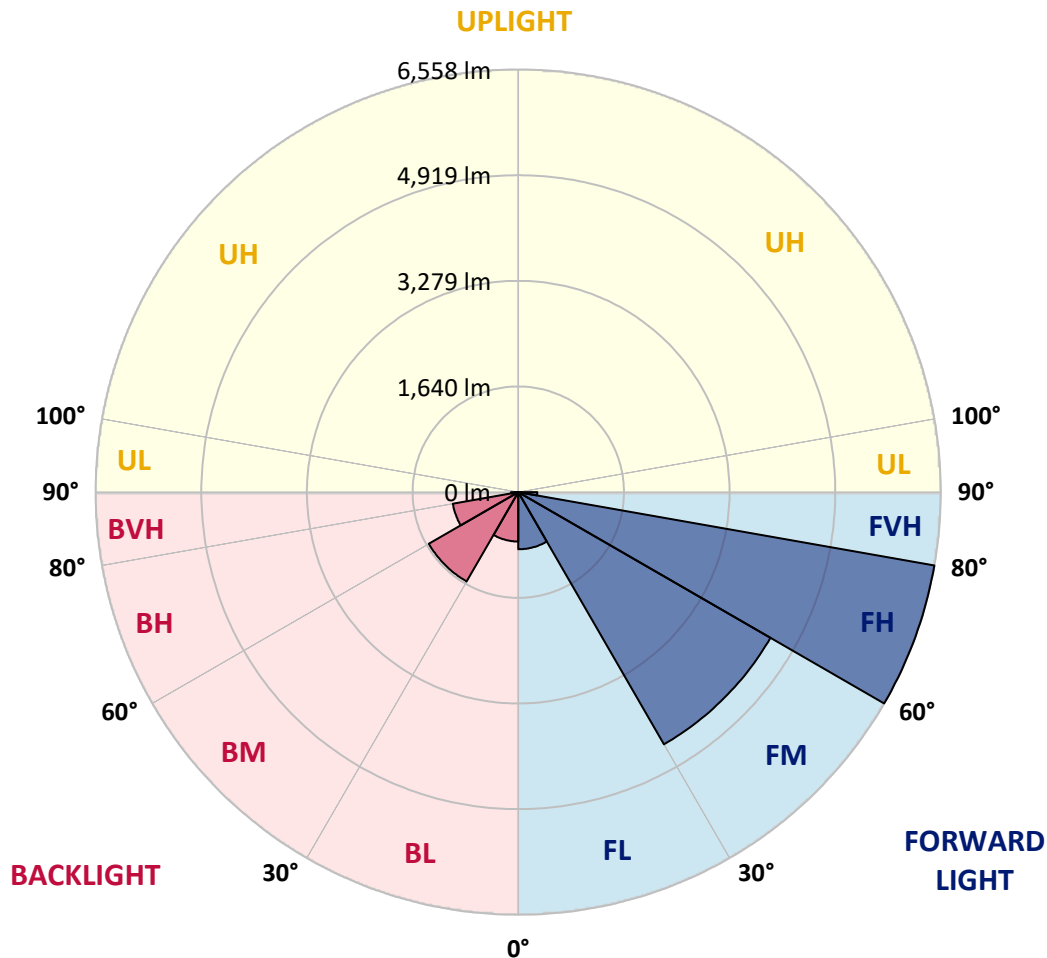
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.3	5.6			
FM (30°-60°)	4519.4	28.7			
FH (60°-80°)	6558.2	41.6			G3/7500
FVH (80°-90°)	296.2	1.9			G3/500
BL (0°-30°)	766.5	4.9	B2/1000		
BM (30°-60°)	1602.2	10.2	B2/2500		
BH (60°-80°)	1031.2	6.5	B3/2500		G3/2500
BVH (80°-90°)	110.8	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1
2.5°	1710.8	1721.0	1710.8	1709.1	1692.1	1680.2	1690.4	1675.1	1658.1	1651.3	1636.0
5°	1867.3	1869.0	1850.3	1852.0	1816.3	1778.9	1785.7	1739.8	1690.4	1671.7	1641.1
7.5°	2027.2	2008.5	1981.2	1972.7	1916.6	1875.8	1870.7	1829.9	1753.4	1710.8	1668.3
10°	2130.9	2137.7	2093.5	2056.1	2008.5	1959.1	1957.4	1880.9	1836.7	1773.8	1719.3
12.5°	2222.7	2224.4	2187.0	2127.5	2068.0	2006.8	2015.3	1981.2	1906.4	1846.9	1792.5
15°	2294.2	2284.0	2243.1	2188.7	2125.8	2078.2	2073.1	2044.2	1981.2	1931.9	1841.8
17.5°	2314.6	2309.5	2268.7	2210.8	2149.6	2113.9	2127.5	2079.9	2054.4	2010.2	1923.4
20°	2275.5	2263.6	2256.7	2192.1	2147.9	2144.5	2132.6	2142.8	2100.3	2059.5	1996.6
22.5°	2204.0	2198.9	2195.5	2144.5	2124.1	2139.4	2159.8	2175.1	2168.3	2129.2	2057.8
25°	2130.9	2154.7	2132.6	2108.8	2137.7	2176.8	2171.7	2221.0	2221.0	2209.1	2149.6
27.5°	2181.9	2166.6	2149.6	2137.7	2147.9	2209.1	2205.7	2265.3	2287.4	2265.3	2197.2
30°	2309.5	2294.2	2244.8	2192.1	2178.5	2244.8	2261.9	2314.6	2324.8	2270.4	2212.5
32.5°	2549.3	2540.8	2462.5	2307.8	2224.4	2261.9	2270.4	2329.9	2321.4	2287.4	2263.6
35°	2904.7	2875.8	2766.9	2505.0	2321.4	2284.0	2261.9	2309.5	2341.8	2324.8	2302.7
37.5°	3294.1	3261.8	3127.5	2795.9	2496.5	2343.5	2326.5	2365.6	2403.0	2394.5	2348.6
40°	3666.6	3666.6	3545.8	3159.8	2756.7	2488.0	2491.4	2447.2	2481.2	2465.9	2474.4
42.5°	4033.9	4020.3	3971.0	3586.6	3035.6	2729.5	2675.1	2564.6	2625.8	2620.7	2632.6
45°	4406.4	4396.2	4382.5	3984.6	3435.3	3056.0	3027.1	2828.2	2884.3	2860.5	2911.5
47.5°	4704.0	4715.9	4715.9	4428.5	3862.2	3491.4	3448.9	3134.3	3241.4	3253.3	3265.2
50°	4957.4	4962.5	4957.4	4851.9	4338.3	3989.7	3903.0	3583.2	3690.4	3783.9	3892.8
52.5°	5307.7	5314.5	5290.7	5249.9	4984.6	4513.5	4416.6	4061.1	4280.5	4379.1	4574.7
55°	5739.7	5688.6	5644.4	5675.0	5605.3	5090.0	4989.7	4554.3	4884.2	5015.2	5406.3
57.5°	5819.6	5863.8	5976.0	6219.2	6319.6	5651.2	5593.4	5159.7	5566.2	5680.1	6333.2
60°	6101.9	6028.8	6304.3	6831.5	6943.7	6382.5	6323.0	5823.0	6244.7	6363.8	7188.6
62.5°	6287.3	6283.9	6692.0	7317.9	7572.9	7141.0	7020.2	6685.2	6977.7	7093.4	8120.6
65°	6232.8	6282.2	7006.6	7603.6	8098.4	8003.2	7933.5	7426.7	7812.7	7802.5	8727.7
67.5°	5736.3	5875.7	6807.7	7809.3	8880.7	9054.2	9032.1	8469.2	8491.3	8275.3	8998.1
70°	5047.5	4999.9	5965.8	7595.1	9271.9	10300.8	10295.7	9244.7	9101.8	8379.1	8222.6
72°	3877.5	3824.7	4618.9	6522.0	9066.1	10799.1	10952.1	9782.1	9095.0	7948.8	6792.4
72.5°	3520.3	3474.4	4265.2	6139.3	8838.2	10928.3	10856.9	9802.5	9023.6	7746.4	6345.1
75°	1620.7	1568.0	2130.9	3758.4	6894.4	9683.4	9926.6	9173.3	7880.8	6166.5	3800.9
77.5°	483.0	467.7	685.4	1517.0	4006.7	7134.2	7227.7	6921.6	5501.6	3377.5	1409.8
80°	268.7	270.4	353.7	568.0	1761.9	4124.1	4460.8	4275.4	2698.9	1115.6	469.4
82.5°	149.7	158.2	221.1	336.7	809.5	1892.8	2037.4	1964.2	976.2	523.8	256.8
85°	78.2	81.6	115.6	180.3	459.2	598.6	615.6	659.8	506.8	357.1	137.8
87.5°	30.6	30.6	42.5	74.8	170.1	185.4	166.7	202.4	290.8	231.3	68.0
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°	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1
2.5°	1649.6	1636.0	1634.3	1612.2	1619.0	1600.3	1602.0	1598.6	1600.3	1596.9	1588.4
5°	1641.1	1630.9	1602.0	1620.7	1603.7	1627.5	1646.2	1639.4	1644.5	1642.8	1644.5
7.5°	1653.0	1639.4	1636.0	1625.8	1641.1	1651.3	1666.6	1709.1	1705.7	1710.8	1721.0
10°	1688.7	1673.4	1663.2	1678.5	1670.0	1702.3	1719.3	1741.5	1780.6	1782.3	1761.9
12.5°	1758.5	1748.3	1727.8	1731.3	1760.2	1770.4	1780.6	1794.2	1819.7	1814.6	1833.3
15°	1838.4	1816.3	1804.4	1801.0	1807.8	1819.7	1818.0	1831.6	1845.2	1857.1	1852.0
17.5°	1896.2	1867.3	1870.7	1887.7	1886.0	1882.6	1860.5	1853.7	1860.5	1867.3	1863.9
20°	1955.7	1959.1	1933.6	1918.3	1911.5	1877.5	1860.5	1840.1	1819.7	1829.9	1845.2
22.5°	2030.6	2015.3	1977.8	1931.9	1897.9	1877.5	1824.8	1789.1	1789.1	1799.3	1794.2
25°	2115.6	2083.3	2018.7	1935.3	1892.8	1806.1	1768.7	1763.6	1750.0	1765.3	1772.1
27.5°	2181.9	2153.0	2064.6	1923.4	1806.1	1736.4	1714.2	1707.4	1729.6	1731.3	1758.5
30°	2209.1	2200.6	2071.4	1892.8	1717.6	1605.4	1591.8	1622.4	1646.2	1681.9	1683.6
32.5°	2244.8	2248.2	2081.6	1821.4	1602.0	1489.8	1469.4	1506.8	1574.8	1603.7	1625.8
35°	2304.4	2321.4	2073.1	1733.0	1479.6	1372.4	1369.0	1379.2	1445.5	1496.6	1525.5
37.5°	2408.1	2404.7	2071.4	1627.5	1382.6	1270.4	1243.2	1246.6	1290.8	1333.3	1328.2
40°	2547.6	2534.0	2066.3	1489.8	1256.8	1183.6	1137.7	1120.7	1117.3	1105.4	1108.8
42.5°	2738.0	2710.8	2064.6	1350.3	1142.8	1064.6	1032.3	988.1	955.8	894.5	897.9
45°	3003.3	2955.7	2020.4	1219.4	1030.6	966.0	916.6	884.3	814.6	738.1	738.1
47.5°	3413.2	3258.4	2022.1	1074.8	921.7	869.0	835.0	778.9	704.1	642.8	636.0
50°	4016.9	3663.2	1964.2	960.9	833.3	797.6	761.9	697.3	625.8	583.3	588.4
52.5°	4795.8	4266.9	1962.5	858.8	763.6	738.1	699.0	641.1	588.4	561.2	551.0
55°	5724.4	5066.2	2023.8	775.5	692.2	678.6	661.5	613.9	562.9	539.1	537.4
57.5°	6675.0	5846.8	2122.4	716.0	630.9	641.1	629.2	591.8	551.0	523.8	520.4
60°	7520.2	6465.8	1923.4	644.5	576.5	598.6	615.6	583.3	561.2	559.5	547.6
62.5°	8158.0	6731.1	1462.6	590.1	547.6	588.4	634.3	654.7	644.5	658.1	659.8
65°	8391.0	6571.3	1006.8	561.2	525.5	612.2	714.3	707.5	647.9	622.4	636.0
67.5°	8064.4	5923.3	746.6	527.2	510.2	661.5	760.2	675.2	585.0	581.6	571.4
70°	6935.2	5020.3	608.8	491.5	484.7	634.3	739.8	625.8	551.0	528.9	518.7
72°	5525.4	3909.8	534.0	466.0	443.9	566.3	692.2	586.7	522.1	494.9	483.0
72.5°	5044.1	3624.1	523.8	454.1	435.4	551.0	668.4	574.8	515.3	491.5	472.8
75°	2766.9	1855.4	460.9	416.7	367.3	476.2	619.0	539.1	486.4	452.4	449.0
77.5°	1028.9	719.4	397.9	369.0	318.0	411.6	562.9	511.9	442.2	399.7	391.1
80°	394.5	379.2	324.8	311.2	267.0	360.5	518.7	459.2	375.8	333.3	319.7
82.5°	239.8	221.1	246.6	243.2	204.1	328.2	488.1	430.3	333.3	270.4	261.9
85°	130.9	130.9	171.8	165.0	142.9	261.9	369.0	285.7	210.9	173.5	176.9
87.5°	57.8	68.0	91.8	86.7	78.2	148.0	180.3	151.4	105.4	71.4	76.5
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)