

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: P478469

Luminaire Tested: **IFLD-S-SA3B-730-U-T4W**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478469
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-730-U-T4W
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

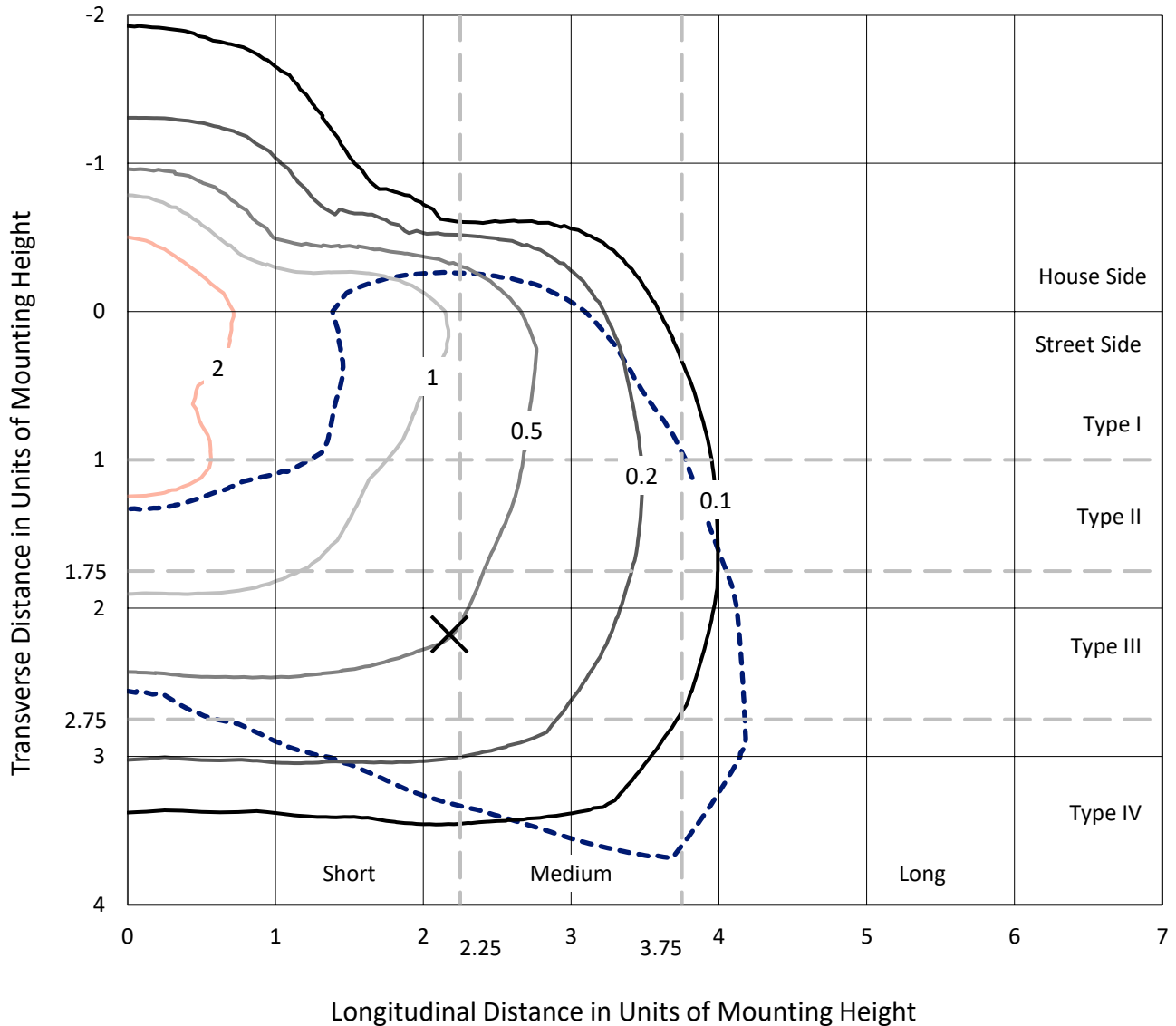
Lumens per Lamp: N/A
Luminaire Lumens: 15661.7 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 122.4
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

REPORT NUMBER: P478469
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

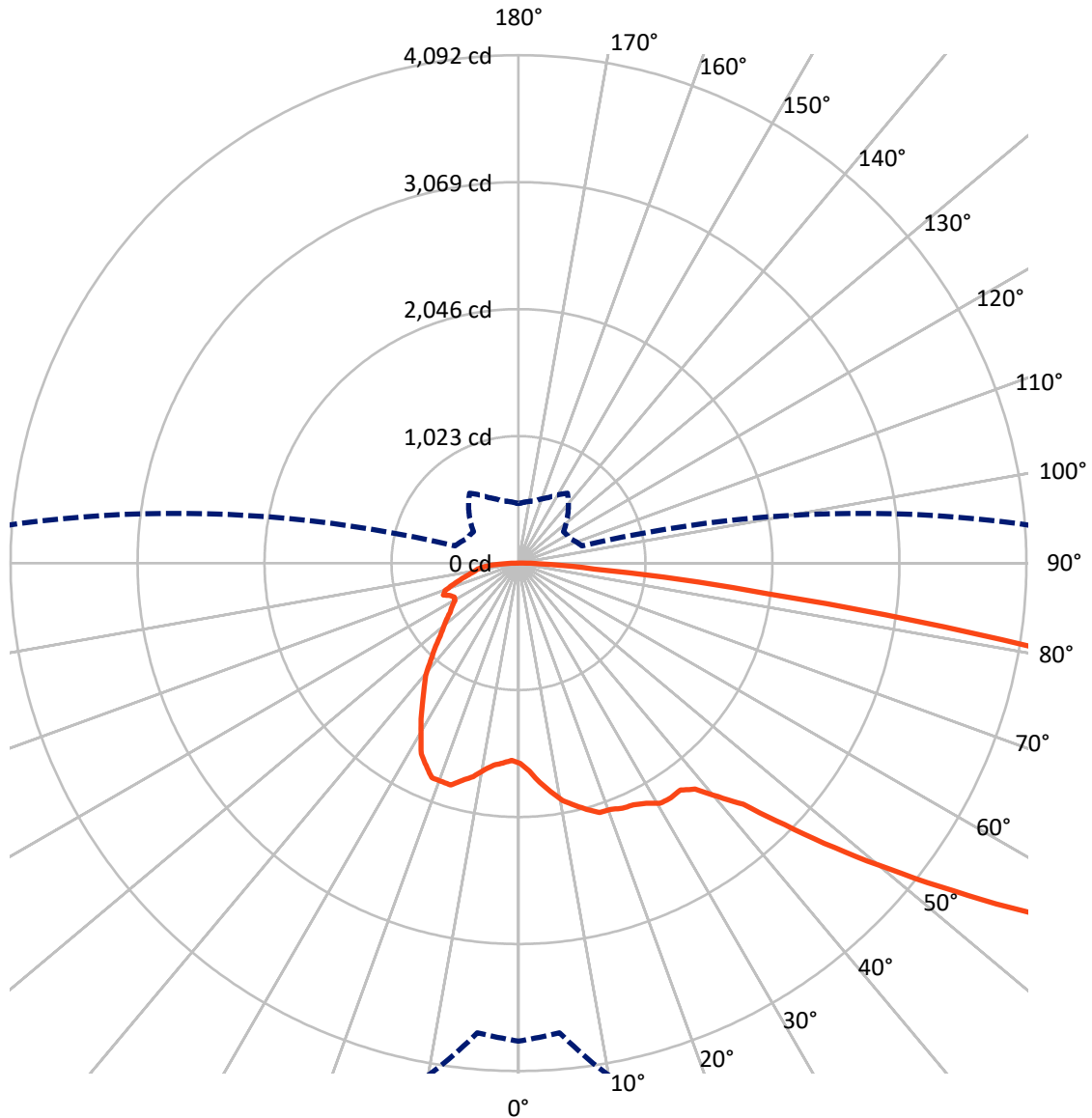
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P478469
CATALOG NUMBER: IFLD-S-SA3B-730-U-T4W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P478469

CATALOG NUMBER: IFLD-S-SA3B-730-U-T4W

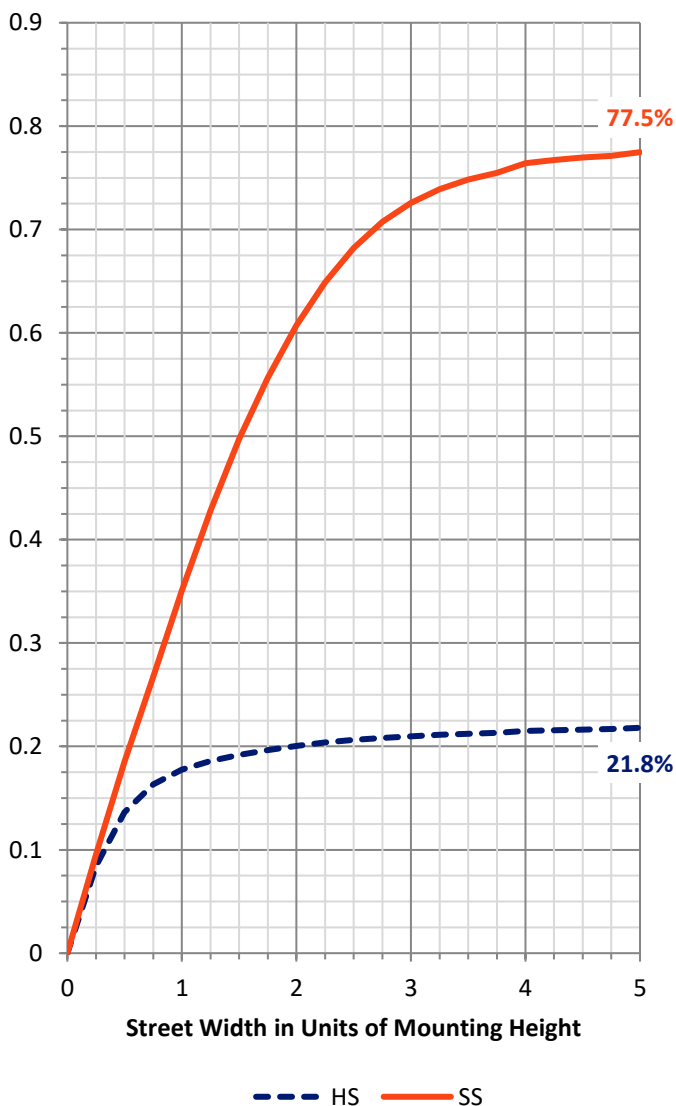
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3486.4	0.0	3486.4
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	12175.3	0.0	12175.3
	% Fixture	77.7	0.0	77.7
Total	Lumens	15661.7	0.0	15661.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	1.1
10°-20°	549.1	3.5
20°-30°	927.3	5.9
30°-40°	1283.2	8.2
40°-50°	1835.5	11.7
50°-60°	2960.5	18.9
60°-70°	4366.2	27.9
70°-80°	3170.7	20.2
80°-90°	404.2	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°	15661.7	100.0
0°-180°	15661.7	100.0

Coefficient of Utilization



REPORT NUMBER: P478469

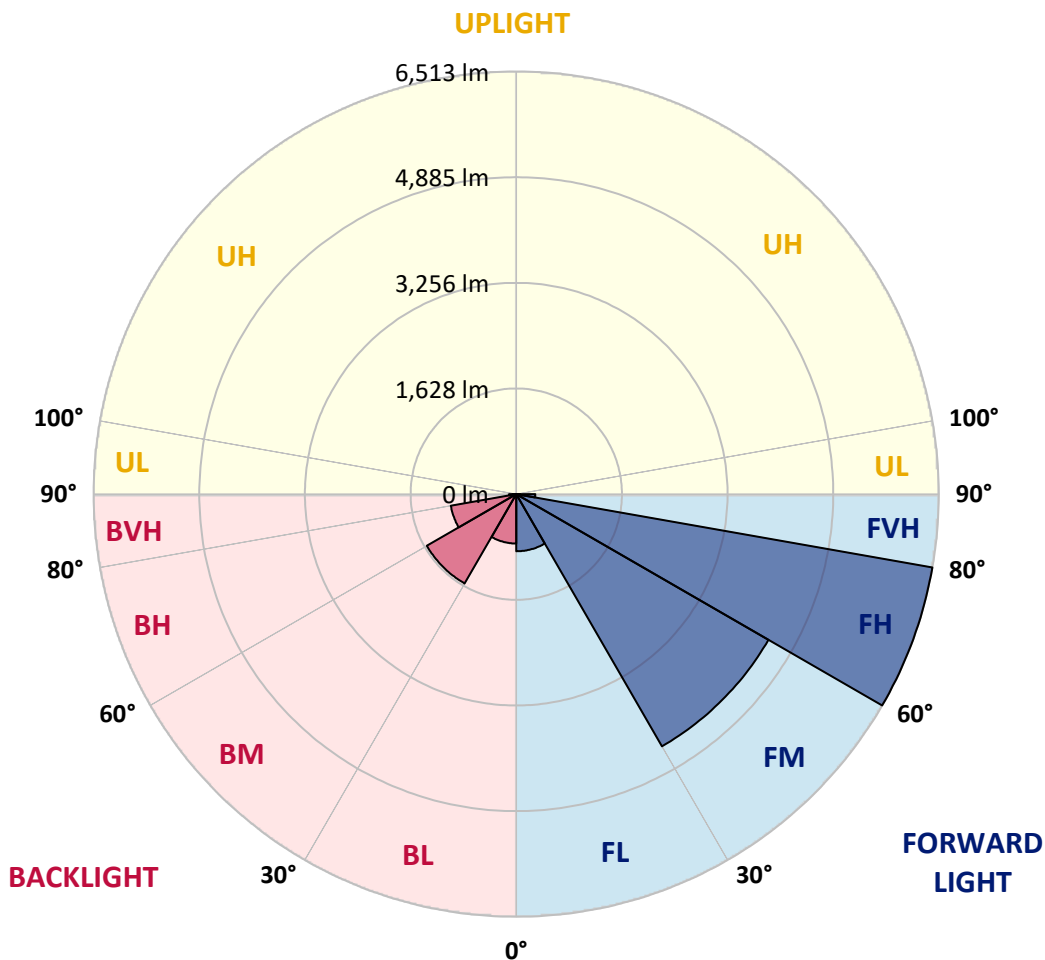
CATALOG NUMBER: IFLD-S-SA3B-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.2	5.6			
FM (30°-60°)	4488.1	28.7			
FH (60°-80°)	6512.8	41.6			G3/7500
FVH (80°-90°)	294.2	1.9			G3/500
BL (0°-30°)	761.2	4.9	B2/1000		
BM (30°-60°)	1591.1	10.2	B2/2500		
BH (60°-80°)	1024.1	6.5	B3/2500		G3/2500
BVH (80°-90°)	110.0	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





REPORT NUMBER: P478469

CATALOG NUMBER: IFLD-S-SA3B-730-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9
2.5°	1699.0	1709.1	1699.0	1697.3	1680.4	1668.6	1678.7	1663.5	1646.6	1639.9	1624.7
5°	1854.4	1856.1	1837.5	1839.2	1803.7	1766.6	1773.3	1727.7	1678.7	1660.2	1629.8
7.5°	2013.1	1994.6	1967.5	1959.1	1903.4	1862.8	1857.8	1817.2	1741.2	1699.0	1656.8
10°	2116.2	2122.9	2079.0	2041.8	1994.6	1945.6	1943.9	1867.9	1824.0	1761.5	1707.4
12.5°	2207.4	2209.0	2171.9	2112.8	2053.7	1992.9	2001.3	1967.5	1893.2	1834.1	1780.1
15°	2278.3	2268.1	2227.6	2173.6	2111.1	2063.8	2058.7	2030.0	1967.5	1918.6	1829.0
17.5°	2298.5	2293.5	2252.9	2195.5	2134.7	2099.3	2112.8	2065.5	2040.2	1996.2	1910.1
20°	2259.7	2247.9	2241.1	2177.0	2133.0	2129.7	2117.8	2128.0	2085.8	2045.2	1982.7
22.5°	2188.8	2183.7	2180.3	2129.7	2109.4	2124.6	2144.9	2160.1	2153.3	2114.5	2043.5
25°	2116.2	2139.8	2117.8	2094.2	2122.9	2161.8	2156.7	2205.7	2205.7	2193.8	2134.7
27.5°	2166.8	2151.6	2134.7	2122.9	2133.0	2193.8	2190.5	2249.6	2271.5	2249.6	2182.0
30°	2293.5	2278.3	2229.3	2177.0	2163.4	2229.3	2246.2	2298.5	2308.7	2254.6	2197.2
32.5°	2531.6	2523.2	2445.5	2291.8	2209.0	2246.2	2254.6	2313.7	2305.3	2271.5	2247.9
35°	2884.6	2855.9	2747.8	2487.7	2305.3	2268.1	2246.2	2293.5	2325.6	2308.7	2286.7
37.5°	3271.3	3239.2	3105.8	2776.5	2479.3	2327.3	2310.4	2349.2	2386.4	2377.9	2332.3
40°	3641.2	3641.2	3521.3	3137.9	2737.7	2470.8	2474.2	2430.3	2464.1	2448.9	2457.3
42.5°	4006.0	3992.5	3943.5	3561.8	3014.6	2710.6	2656.6	2546.8	2607.6	2602.5	2614.4
45°	4375.9	4365.7	4352.2	3957.0	3411.5	3034.9	3006.2	2808.6	2864.3	2840.7	2891.3
47.5°	4671.4	4683.2	4683.2	4397.8	3835.4	3467.2	3425.0	3112.6	3219.0	3230.8	3242.6
50°	4923.1	4928.1	4923.1	4818.3	4308.3	3962.1	3876.0	3558.4	3664.8	3757.7	3865.8
52.5°	5271.0	5277.7	5254.1	5213.5	4950.1	4482.3	4386.0	4033.0	4250.9	4348.8	4543.1
55°	5699.9	5649.3	5605.4	5635.8	5566.5	5054.8	4955.1	4522.8	4850.4	4980.5	5368.9
57.5°	5779.3	5823.2	5934.7	6176.2	6275.8	5612.1	5554.7	5124.0	5527.7	5640.8	6289.3
60°	6059.7	5987.0	6260.6	6784.2	6895.6	6338.3	6279.2	5782.7	6201.5	6319.7	7138.8
62.5°	6243.7	6240.4	6645.7	7267.2	7520.5	7091.6	6971.6	6638.9	6929.4	7044.3	8064.3
65°	6189.7	6238.7	6958.1	7550.9	8042.4	7947.8	7878.6	7375.3	7758.7	7748.5	8667.3
67.5°	5696.6	5835.0	6760.5	7755.3	8819.3	8991.5	8969.6	8410.6	8432.5	8218.0	8935.8
70°	5012.6	4965.3	5924.5	7542.5	9207.7	10229.5	10224.4	9180.7	9038.8	8321.1	8165.7
72°	3850.6	3798.3	4587.0	6476.8	9003.4	10724.3	10876.3	9714.4	9032.1	7893.8	6745.3
72.5°	3496.0	3450.4	4235.7	6096.8	8777.0	10852.7	10781.7	9734.6	8961.1	7692.8	6301.2
75°	1609.5	1557.1	2116.2	3732.4	6846.7	9616.4	9857.9	9109.8	7826.2	6123.8	3774.6
77.5°	479.6	464.4	680.6	1506.5	3979.0	7084.8	7177.7	6873.7	5463.5	3354.1	1400.1
80°	266.8	268.5	351.3	564.1	1749.7	4095.5	4429.9	4245.8	2680.2	1107.9	466.1
82.5°	148.6	157.1	219.6	334.4	803.9	1879.7	2023.3	1950.6	969.4	520.2	255.0
85°	77.7	81.1	114.8	179.0	456.0	594.5	611.4	655.3	503.3	354.7	136.8
87.5°	30.4	30.4	42.2	74.3	168.9	184.1	165.5	201.0	288.8	229.7	67.6
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: P478469
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9	1612.9
2.5°	1638.2	1624.7	1623.0	1601.0	1607.8	1589.2	1590.9	1587.5	1589.2	1585.8	1577.4
5°	1629.8	1619.6	1590.9	1609.5	1592.6	1616.2	1634.8	1628.1	1633.1	1631.4	1633.1
7.5°	1641.6	1628.1	1624.7	1614.6	1629.8	1639.9	1655.1	1697.3	1693.9	1699.0	1709.1
10°	1677.0	1661.8	1651.7	1666.9	1658.5	1690.6	1707.4	1729.4	1768.2	1769.9	1749.7
12.5°	1746.3	1736.2	1715.9	1719.3	1748.0	1758.1	1768.2	1781.8	1807.1	1802.0	1820.6
15°	1825.7	1803.7	1791.9	1788.5	1795.3	1807.1	1805.4	1818.9	1832.4	1844.2	1839.2
17.5°	1883.1	1854.4	1857.8	1874.6	1873.0	1869.6	1847.6	1840.9	1847.6	1854.4	1851.0
20°	1942.2	1945.6	1920.2	1905.0	1898.3	1864.5	1847.6	1827.4	1807.1	1817.2	1832.4
22.5°	2016.5	2001.3	1964.2	1918.6	1884.8	1864.5	1812.2	1776.7	1776.7	1786.8	1781.8
25°	2101.0	2068.9	2004.7	1921.9	1879.7	1793.6	1756.4	1751.4	1737.8	1753.0	1759.8
27.5°	2166.8	2138.1	2050.3	1910.1	1793.6	1724.3	1702.4	1695.6	1717.6	1719.3	1746.3
30°	2193.8	2185.4	2057.0	1879.7	1705.8	1594.3	1580.8	1611.2	1634.8	1670.3	1672.0
32.5°	2229.3	2232.7	2067.2	1808.8	1590.9	1479.4	1459.2	1496.3	1563.9	1592.6	1614.6
35°	2288.4	2305.3	2058.7	1721.0	1469.3	1362.9	1359.5	1369.7	1435.5	1486.2	1514.9
37.5°	2391.4	2388.1	2057.0	1616.2	1373.0	1261.6	1234.6	1237.9	1281.9	1324.1	1319.0
40°	2529.9	2516.4	2052.0	1479.4	1248.1	1175.5	1129.9	1113.0	1109.6	1097.8	1101.1
42.5°	2719.1	2692.1	2050.3	1341.0	1134.9	1057.2	1025.1	981.2	949.1	888.3	891.7
45°	2982.5	2935.3	2006.4	1210.9	1023.5	959.3	910.3	878.2	809.0	733.0	733.0
47.5°	3389.6	3235.9	2008.1	1067.4	915.4	863.0	829.2	773.5	699.2	638.4	631.6
50°	3989.1	3637.8	1950.6	954.2	827.5	792.1	756.6	692.4	621.5	579.3	584.3
52.5°	4762.6	4237.4	1949.0	852.9	758.3	733.0	694.1	636.7	584.3	557.3	547.2
55°	5684.7	5031.1	2009.8	770.1	687.4	673.9	657.0	609.7	559.0	535.4	533.7
57.5°	6628.8	5806.3	2107.7	711.0	626.6	636.7	624.9	587.7	547.2	520.2	516.8
60°	7468.2	6421.1	1910.1	640.1	572.5	594.5	611.4	579.3	557.3	555.6	543.8
62.5°	8101.5	6684.5	1452.4	586.0	543.8	584.3	629.9	650.2	640.1	653.6	655.3
65°	8332.9	6525.8	999.8	557.3	521.9	608.0	709.3	702.6	643.5	618.1	631.6
67.5°	8008.6	5882.3	741.4	523.5	506.7	657.0	754.9	670.5	581.0	577.6	567.5
70°	6887.2	4985.5	604.6	488.1	481.3	629.9	734.7	621.5	547.2	525.2	515.1
72°	5487.1	3882.7	530.3	462.7	440.8	562.4	687.4	582.7	518.5	491.5	479.6
72.5°	5009.2	3599.0	520.2	450.9	432.4	547.2	663.7	570.8	511.7	488.1	469.5
75°	2747.8	1842.6	457.7	413.8	364.8	472.9	614.7	535.4	483.0	449.2	445.9
77.5°	1021.8	714.4	395.2	366.5	315.8	408.7	559.0	508.3	439.1	396.9	388.4
80°	391.8	376.6	322.6	309.1	265.2	358.0	515.1	456.0	373.2	331.0	317.5
82.5°	238.1	219.6	244.9	241.5	202.7	326.0	484.7	427.3	331.0	268.5	260.1
85°	130.0	130.0	170.6	163.8	141.9	260.1	366.5	283.7	209.4	172.3	175.6
87.5°	57.4	67.6	91.2	86.1	77.7	146.9	179.0	150.3	104.7	70.9	76.0
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)