

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: P476591

Luminaire Tested: **IFLD-S-SA2A-740-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476591
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-740-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

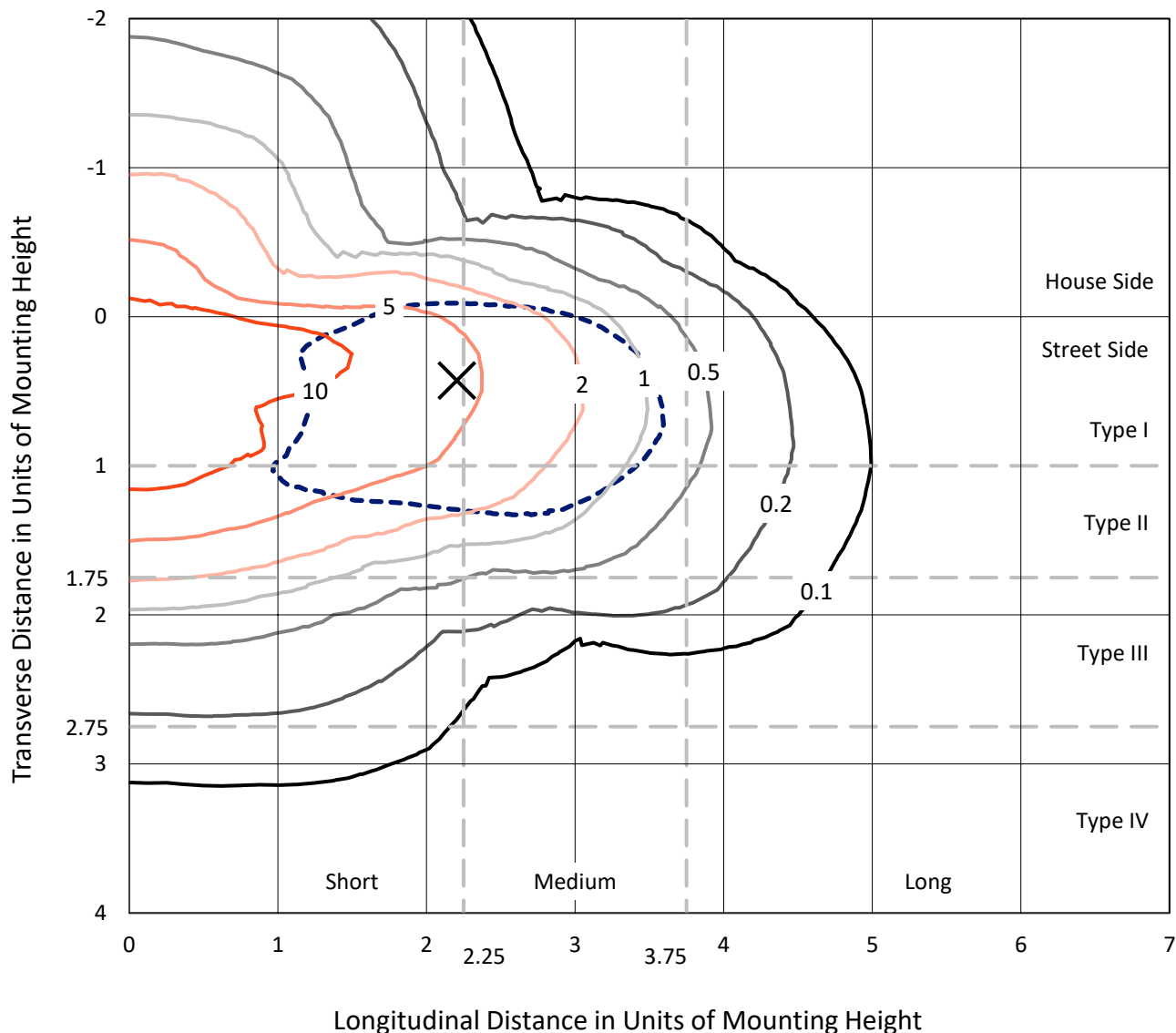
Lumens per Lamp: N/A
Luminaire Lumens: 9221.1 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.8
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

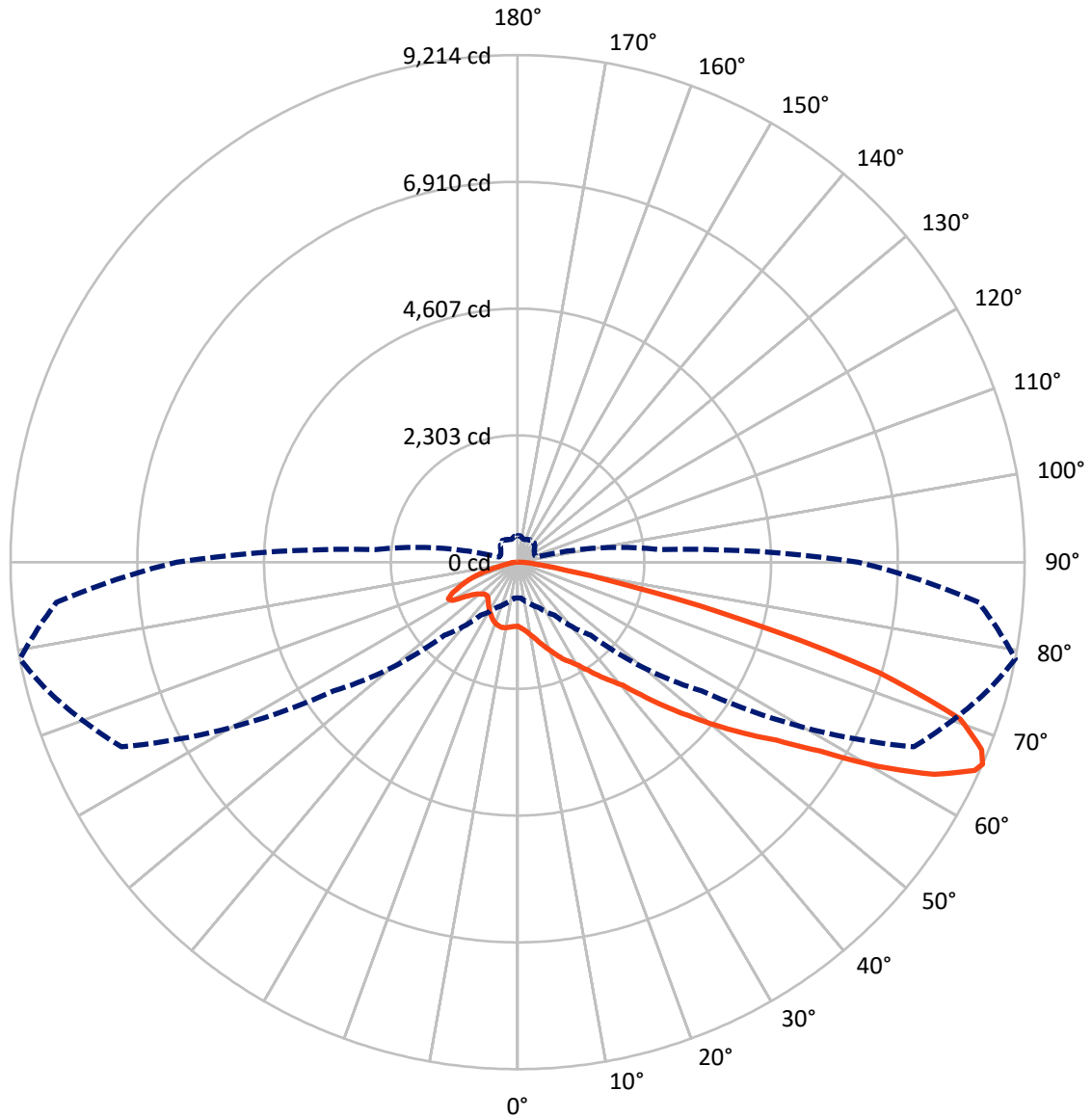
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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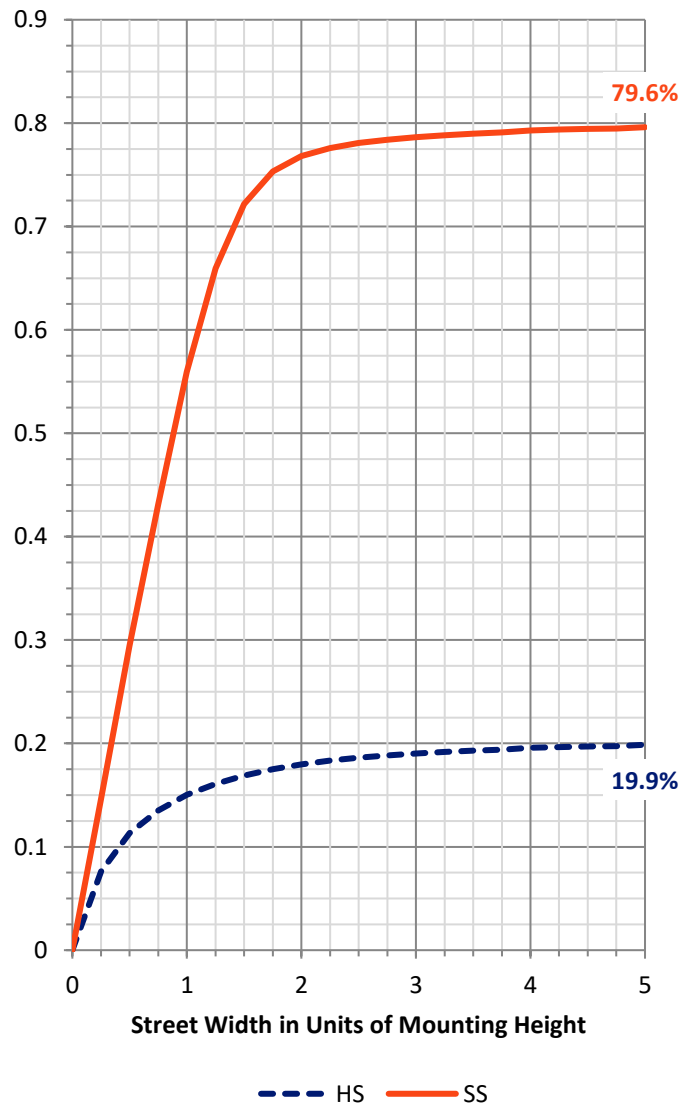
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1862.1	0.0	1862.1
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	7359.0	0.0	7359.0
	% Fixture	79.8	0.0	79.8
Total	Lumens	9221.1	0.0	9221.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.2
10°-20°	353.5	3.8
20°-30°	606.9	6.6
30°-40°	937.5	10.2
40°-50°	1501.6	16.3
50°-60°	2242.0	24.3
60°-70°	2303.7	25.0
70°-80°	1021.2	11.1
80°-90°	140.1	1.5
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°	9221.1	100.0
0°-180°	9221.1	100.0

Coefficient of Utilization

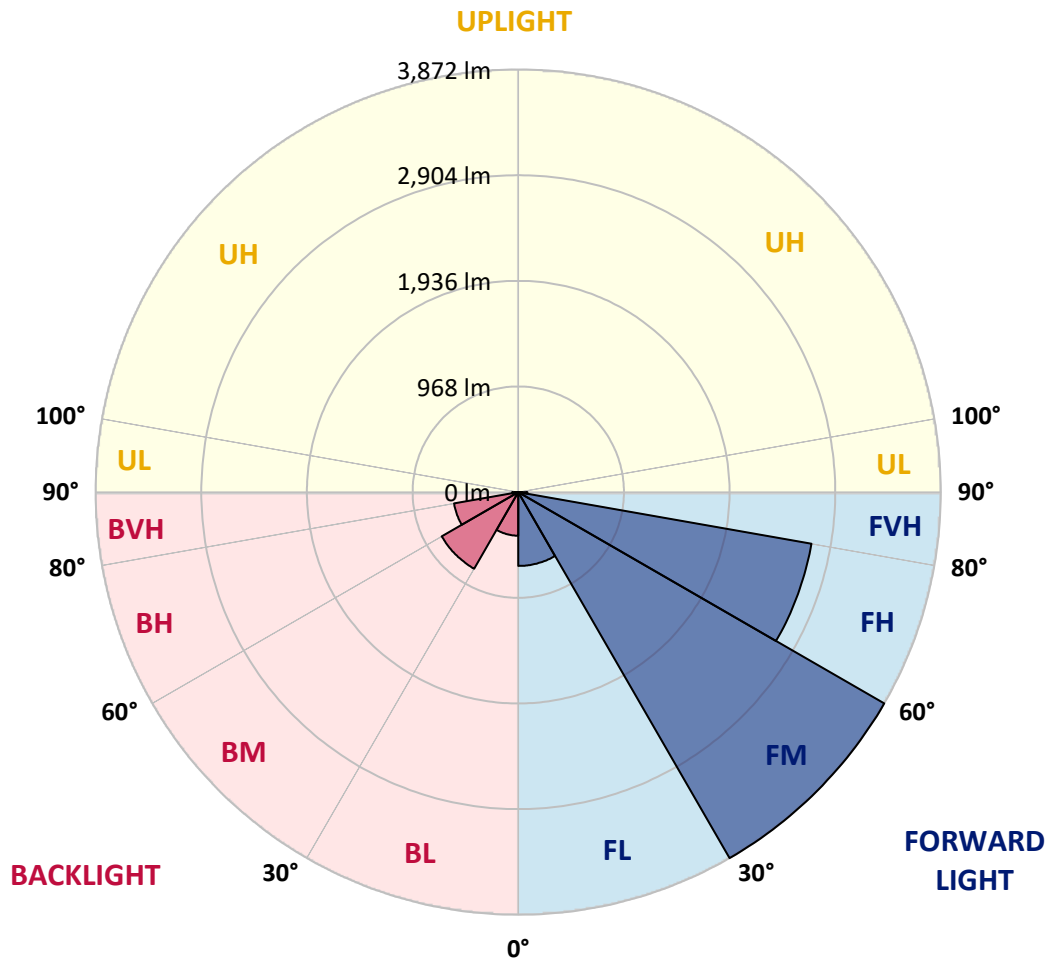


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.0	7.3			
FM (30°-60°)	3871.6	42.0			
FH (60°-80°)	2727.4	29.6			G2/5000
FVH (80°-90°)	84.0	0.9			G1/100
BL (0°-30°)	398.9	4.3	B1/500		
BM (30°-60°)	809.5	8.8	B1/1000		
BH (60°-80°)	597.5	6.5	B2/1000		G2/1000
BVH (80°-90°)	56.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4
2.5°	1238.4	1239.4	1239.4	1235.4	1236.4	1239.4	1228.3	1203.9	1203.9	1199.9	1192.8
5°	1314.5	1309.4	1302.3	1303.3	1299.3	1299.3	1287.1	1263.8	1243.5	1235.4	1214.1
7.5°	1324.6	1329.7	1328.7	1340.8	1346.9	1346.9	1353.0	1333.7	1303.3	1284.0	1262.7
10°	1344.9	1331.7	1330.7	1359.1	1368.2	1389.5	1413.9	1403.7	1378.4	1351.0	1322.6
12.5°	1357.1	1365.2	1365.2	1379.4	1400.7	1432.1	1474.7	1494.0	1454.4	1426.0	1382.4
15°	1375.3	1364.2	1396.6	1408.8	1449.4	1471.7	1532.5	1582.2	1555.9	1521.4	1452.4
17.5°	1383.4	1376.3	1394.6	1416.9	1485.9	1519.4	1593.4	1662.4	1640.1	1617.7	1546.7
20°	1425.0	1424.0	1432.1	1450.4	1500.1	1566.0	1658.3	1753.6	1761.8	1721.2	1624.8
22.5°	1526.5	1513.3	1513.3	1506.2	1527.5	1595.4	1720.2	1852.0	1888.5	1840.9	1713.1
25°	1619.8	1638.0	1626.9	1594.4	1586.3	1621.8	1764.8	1956.5	2005.2	1960.6	1832.8
27.5°	1739.4	1745.5	1764.8	1721.2	1665.4	1676.6	1813.5	2015.3	2115.7	2055.9	1900.7
30°	1911.9	1900.7	1896.7	1848.0	1774.9	1759.7	1869.3	2101.5	2260.8	2176.6	1980.8
32.5°	2028.5	2055.9	2054.9	1987.9	1899.7	1866.2	1938.2	2182.7	2416.0	2337.9	2128.9
35°	2259.8	2288.2	2265.8	2167.5	2064.0	1997.1	2037.6	2288.2	2593.5	2532.6	2254.7
37.5°	2554.9	2621.9	2574.2	2392.6	2246.6	2173.6	2175.6	2402.8	2775.0	2725.3	2389.6
40°	2758.8	2849.0	2783.1	2612.7	2457.5	2388.6	2361.2	2538.7	2992.1	2939.3	2600.6
42.5°	3011.3	3086.4	3051.9	2883.5	2702.0	2643.2	2588.4	2765.9	3323.7	3299.4	2871.4
45°	3287.2	3322.7	3311.5	3205.0	3003.2	2982.9	2862.2	3065.1	3714.2	3724.3	3210.1
47.5°	3543.8	3563.1	3584.4	3507.3	3381.5	3398.8	3177.7	3385.6	4093.5	4160.5	3587.4
50°	3609.7	3675.7	3725.4	3777.1	3804.5	3921.1	3525.6	3779.1	4529.7	4659.5	4007.3
52.5°	3542.8	3537.7	3688.9	3851.1	4125.0	4369.4	3999.2	4268.0	4915.1	5171.7	4391.7
55°	3238.5	3228.4	3471.8	3686.8	4221.3	4618.9	4675.7	4919.1	5380.6	5714.3	4912.0
57.5°	2706.0	2643.2	2908.9	3261.8	4012.4	4646.3	5355.3	5885.7	6096.7	6477.0	5706.2
60°	1818.6	1792.2	2046.8	2467.7	3257.8	4257.8	5762.0	7095.7	7105.9	7533.9	6938.5
62.5°	1119.7	1124.8	1288.1	1603.5	2281.1	3375.4	5586.5	8062.3	8064.4	8493.4	7952.8
65°	732.3	735.3	867.2	1041.6	1425.0	2289.2	4619.9	8138.4	8730.7	9129.3	8417.3
66°	652.2	653.2	766.8	908.8	1180.6	1873.3	4080.4	7940.6	8880.8	9213.5	8411.2
67.5°	549.7	562.9	654.2	763.7	920.9	1345.9	3237.5	7368.6	8803.7	9095.9	8220.5
70°	430.0	437.1	509.2	620.7	690.7	778.9	1924.0	6006.4	8058.3	8531.9	7526.8
72.5°	344.8	350.9	405.7	504.1	560.9	513.2	1047.7	4358.3	6365.5	6870.6	5920.2
75°	291.1	292.1	318.5	396.6	461.5	385.4	557.8	2797.3	4084.4	4319.7	3627.0
77.5°	235.3	239.4	257.6	302.2	371.2	303.3	332.7	1567.0	2050.8	2068.1	1676.6
80°	191.7	193.7	204.9	220.1	283.0	224.2	225.2	764.7	879.4	859.1	681.6
82.5°	151.1	153.2	166.3	163.3	207.9	160.3	140.0	368.2	404.7	396.6	313.4
85°	85.2	85.2	130.8	130.8	131.9	101.4	85.2	173.4	214.0	199.8	147.1
87.5°	27.4	28.4	39.6	41.6	65.9	45.6	41.6	64.9	101.4	89.3	52.7
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°	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4
2.5°	1188.7	1172.5	1165.4	1142.1	1136.0	1120.8	1113.7	1104.5	1101.5	1088.3	1100.5
5°	1197.8	1192.8	1164.4	1135.0	1112.6	1102.5	1087.3	1067.0	1065.0	1046.7	1044.7
7.5°	1236.4	1219.1	1169.4	1138.0	1093.4	1068.0	1034.5	1024.4	1011.2	1005.1	1018.3
10°	1296.2	1252.6	1178.6	1099.5	1044.7	1014.3	989.9	982.8	983.8	979.8	973.7
12.5°	1338.8	1297.2	1163.4	1067.0	996.0	966.6	964.6	971.7	982.8	977.7	984.8
15°	1399.7	1321.6	1152.2	1013.2	956.4	948.3	947.3	968.6	967.6	967.6	966.6
17.5°	1456.5	1345.9	1111.6	966.6	914.9	920.9	928.0	927.0	937.2	941.2	948.3
20°	1528.5	1374.3	1054.8	919.9	883.4	881.4	880.4	881.4	891.5	897.6	892.5
22.5°	1591.4	1380.4	1007.2	875.3	845.9	837.8	824.6	837.8	832.7	834.7	840.8
25°	1646.1	1381.4	939.2	841.8	808.4	790.1	780.0	778.9	769.8	768.8	768.8
27.5°	1691.8	1346.9	879.4	795.2	763.7	746.5	745.5	734.3	711.0	695.8	697.8
30°	1727.3	1320.6	837.8	754.6	724.2	721.1	712.0	686.7	656.2	637.0	637.0
32.5°	1790.2	1267.8	781.0	713.0	697.8	693.8	672.5	650.1	621.7	603.5	600.4
35°	1836.8	1219.1	743.4	677.5	670.4	662.3	644.1	619.7	611.6	607.5	610.6
37.5°	1889.6	1164.4	697.8	647.1	654.2	639.0	617.7	606.5	634.9	627.8	630.9
40°	1973.7	1125.8	653.2	628.8	635.9	618.7	591.3	587.3	622.8	597.4	591.3
42.5°	2127.9	1124.8	625.8	601.5	606.5	593.3	569.0	567.0	581.2	550.7	541.6
45°	2319.6	1160.3	605.5	581.2	577.1	575.1	567.0	557.8	545.7	506.1	496.0
47.5°	2548.8	1218.1	601.5	550.7	555.8	573.1	562.9	539.6	508.1	482.8	477.7
50°	2826.7	1337.8	591.3	528.4	537.6	564.9	556.8	524.4	496.0	479.7	476.7
52.5°	3134.1	1488.9	578.1	493.9	514.2	557.8	561.9	531.5	489.9	475.7	473.7
55°	3496.1	1712.1	562.9	456.4	486.8	550.7	561.9	511.2	481.8	481.8	479.7
57.5°	4211.2	2113.7	531.5	421.9	462.5	537.6	545.7	512.2	482.8	482.8	478.7
60°	5259.9	2740.5	471.6	395.6	439.2	519.3	533.5	497.0	471.6	477.7	476.7
62.5°	6080.5	2931.2	420.9	370.2	415.8	485.8	517.3	480.8	458.4	480.8	482.8
65°	6255.9	2738.5	369.2	342.8	383.4	453.4	493.9	457.4	439.2	482.8	484.8
66°	6193.0	2588.4	350.9	334.7	369.2	437.1	479.7	449.3	429.0	480.8	481.8
67.5°	5913.1	2363.2	330.6	317.5	349.9	413.8	463.5	438.2	412.8	474.7	465.5
70°	5304.6	2004.2	296.2	287.0	322.5	375.3	426.0	409.8	387.4	437.1	420.9
72.5°	4085.4	1601.5	259.6	260.7	291.1	335.7	388.5	377.3	358.0	383.4	373.2
75°	2488.0	1023.4	226.2	228.2	253.6	298.2	353.0	344.8	321.5	335.7	330.6
77.5°	1102.5	507.1	190.7	194.7	215.0	262.7	307.3	294.1	269.8	272.8	270.8
80°	428.0	240.4	155.2	160.3	173.4	210.0	254.6	242.4	221.1	217.1	215.0
82.5°	205.9	133.9	119.7	121.7	126.8	167.4	219.1	203.9	175.5	157.2	157.2
85°	103.5	83.2	84.2	77.1	84.2	113.6	148.1	123.7	102.4	91.3	93.3
87.5°	41.6	41.6	41.6	35.5	37.5	53.8	69.0	46.7	42.6	25.4	25.4
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)