

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: P476435

Luminaire Tested: **IFLD-S-SA2A-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476435
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-722-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

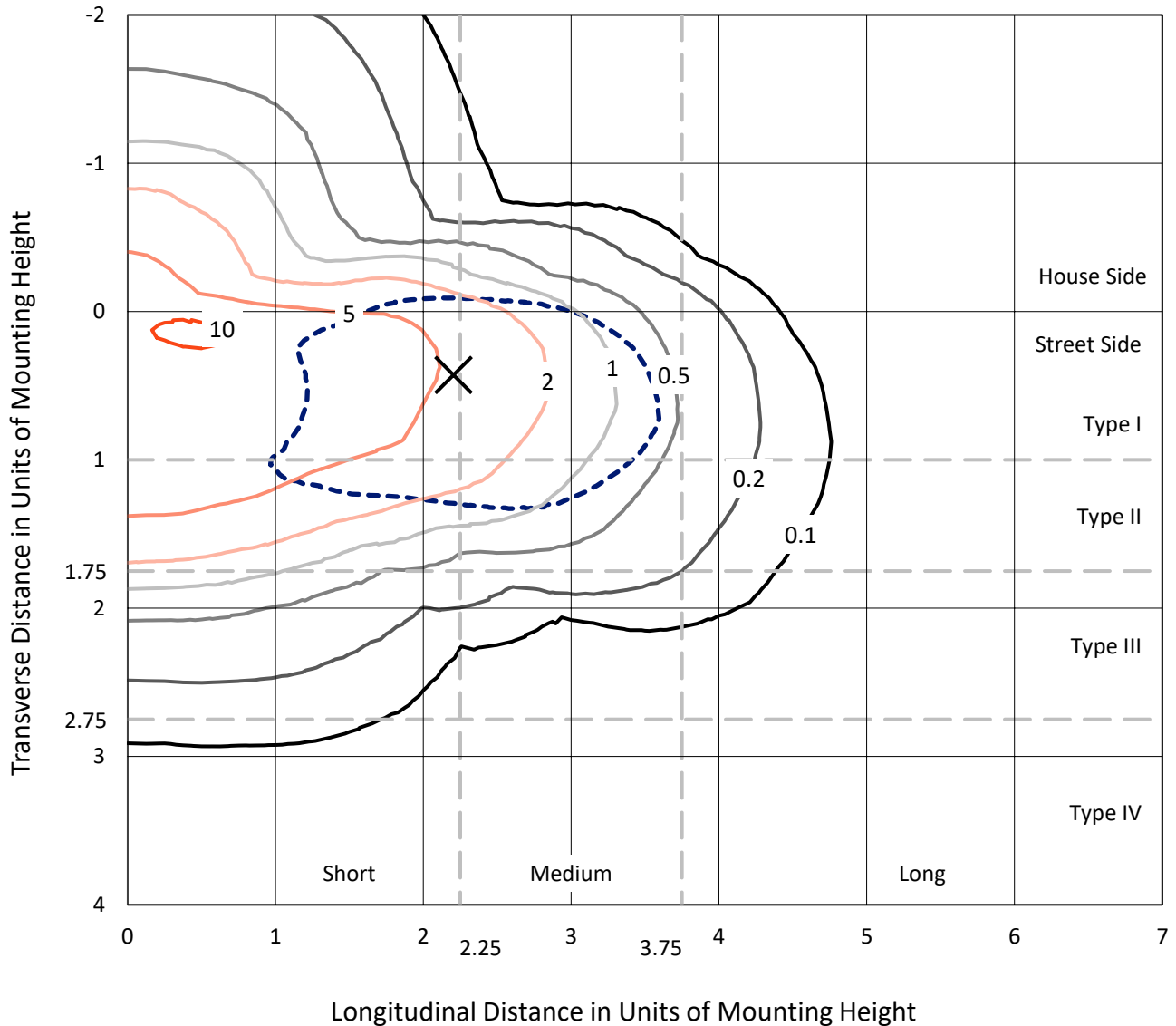
Lumens per Lamp: N/A
Luminaire Lumens: 6792.2 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

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

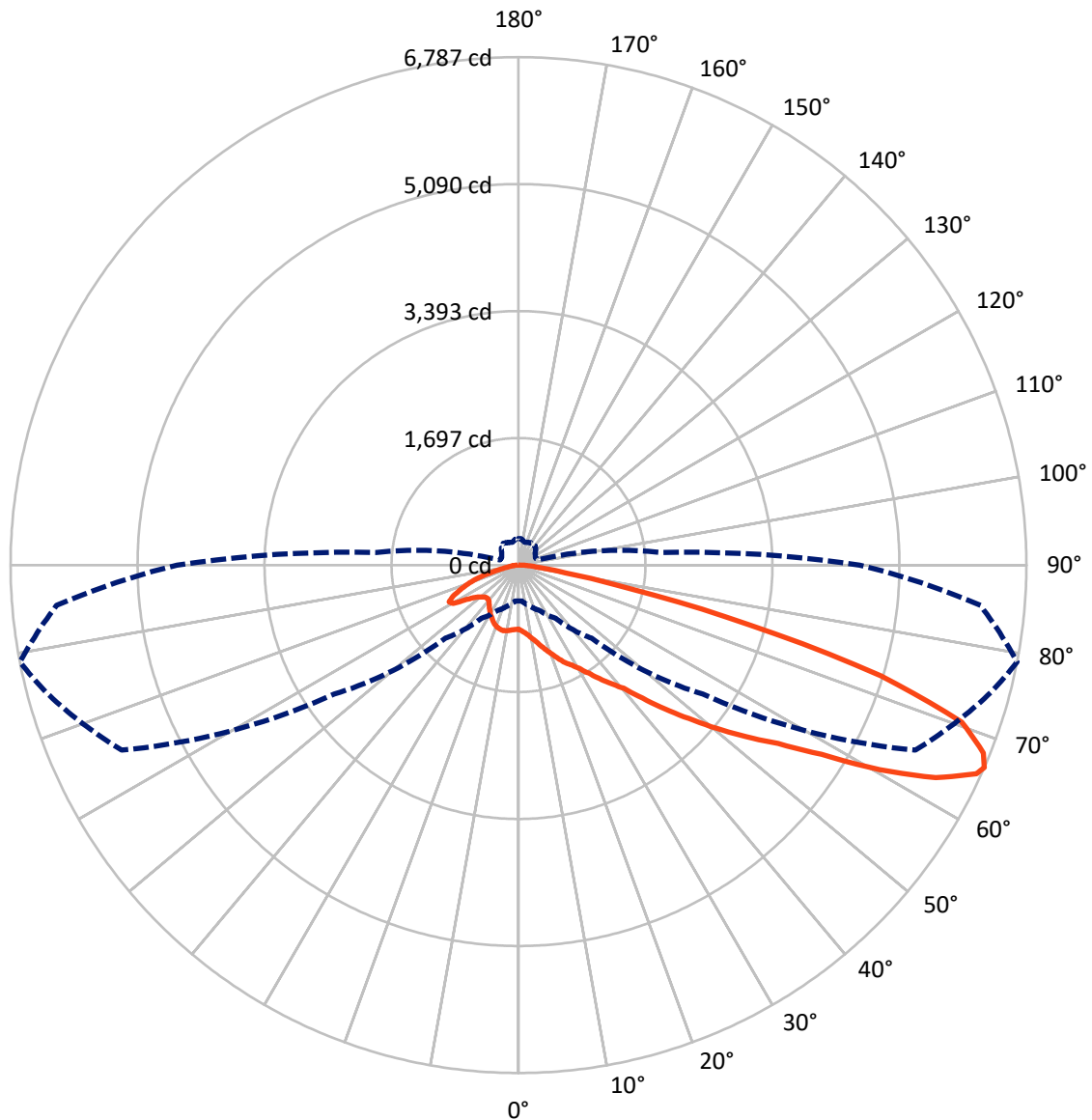
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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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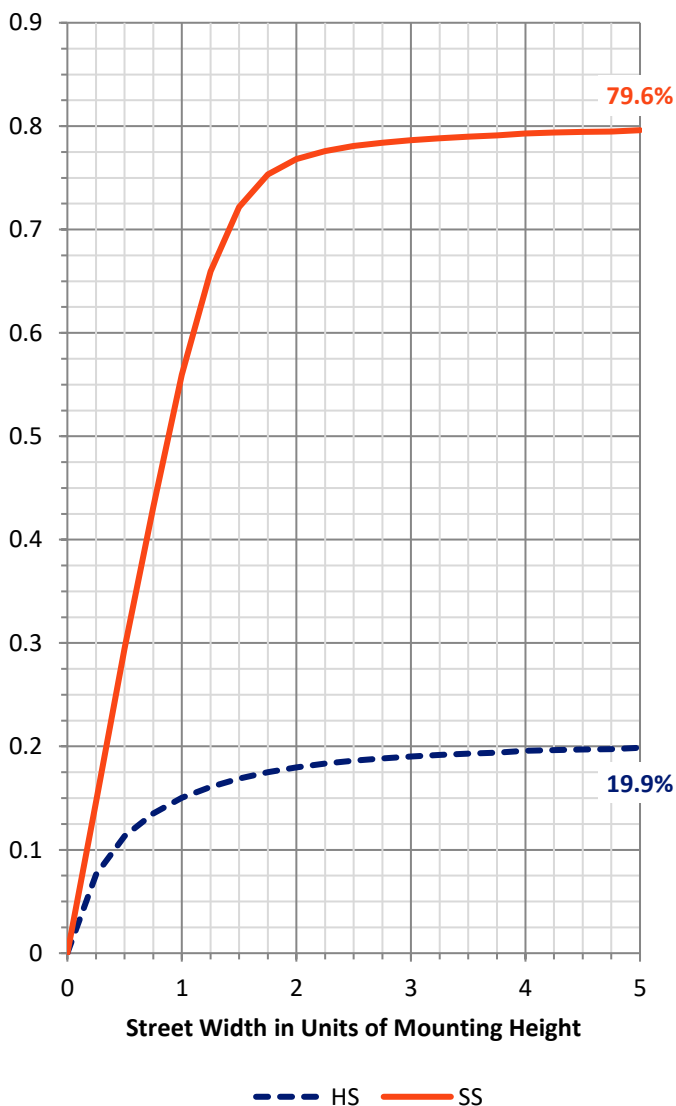
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1371.6	0.0	1371.6
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	5420.6	0.0	5420.6
	% Fixture	79.8	0.0	79.8
Total	Lumens	6792.2	0.0	6792.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.2
10°-20°	260.4	3.8
20°-30°	447.0	6.6
30°-40°	690.6	10.2
40°-50°	1106.1	16.3
50°-60°	1651.5	24.3
60°-70°	1696.9	25.0
70°-80°	752.2	11.1
80°-90°	103.2	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°	6792.2	100.0
0°-180°	6792.2	100.0

Coefficient of Utilization



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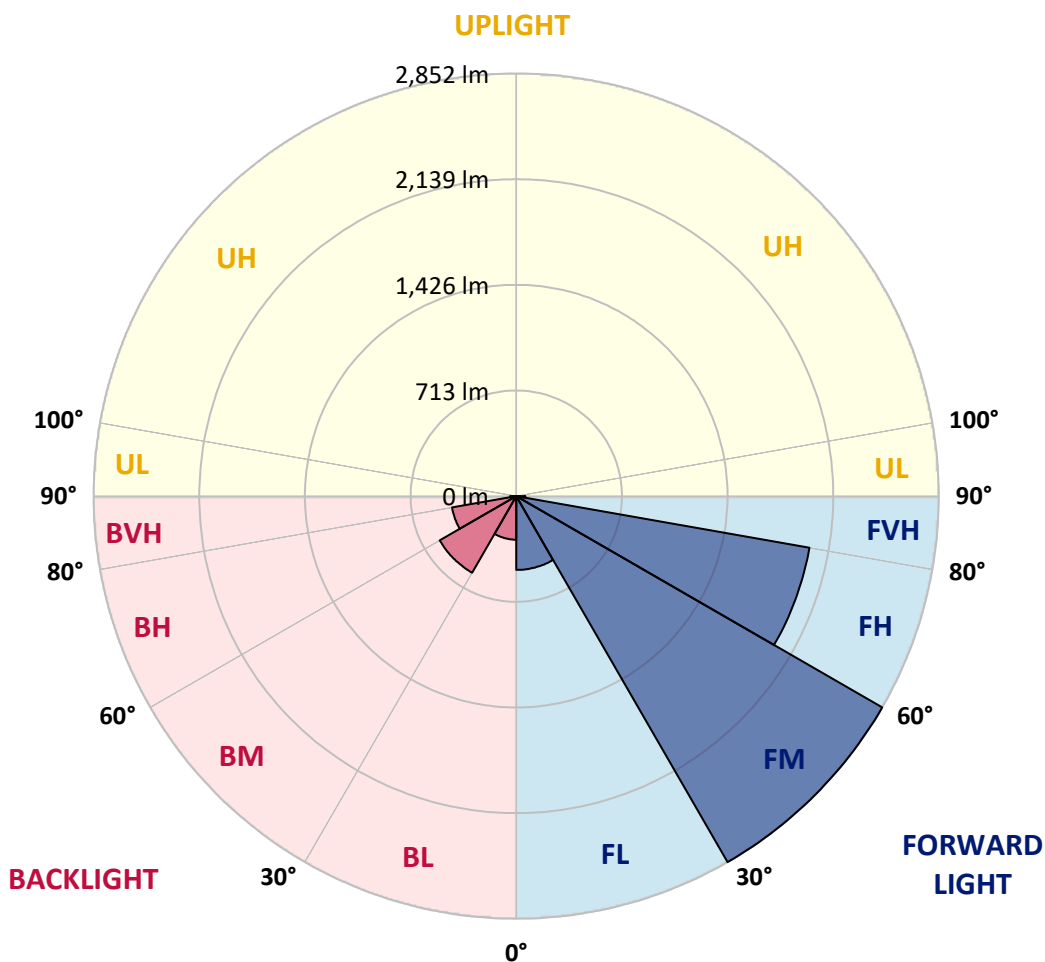
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.9	7.3			
FM (30°-60°)	2851.8	42.0			
FH (60°-80°)	2009.0	29.6			G2/5000
FVH (80°-90°)	61.9	0.9			G1/100
BL (0°-30°)	293.9	4.3	B1/500		
BM (30°-60°)	596.3	8.8	B1/1000		
BH (60°-80°)	440.1	6.5	B1/500		G1/500
BVH (80°-90°)	41.3	0.6			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7
2.5°	912.2	913.0	913.0	910.0	910.7	913.0	904.7	886.8	886.8	883.8	878.6
5°	968.2	964.5	959.3	960.0	957.0	957.0	948.1	930.9	915.9	910.0	894.3
7.5°	975.7	979.4	978.7	987.7	992.2	992.2	996.6	982.4	960.0	945.8	930.1
10°	990.7	980.9	980.2	1001.1	1007.8	1023.5	1041.5	1034.0	1015.3	995.1	974.2
12.5°	999.6	1005.6	1005.6	1016.1	1031.7	1054.9	1086.3	1100.5	1071.3	1050.4	1018.3
15°	1013.1	1004.9	1028.8	1037.7	1067.6	1084.0	1128.9	1165.5	1146.1	1120.7	1069.8
17.5°	1019.0	1013.8	1027.3	1043.7	1094.5	1119.2	1173.7	1224.5	1208.1	1191.6	1139.3
20°	1049.7	1048.9	1054.9	1068.4	1105.0	1153.5	1221.5	1291.7	1297.7	1267.8	1196.9
22.5°	1124.4	1114.7	1114.7	1109.4	1125.1	1175.2	1267.1	1364.2	1391.1	1356.0	1261.9
25°	1193.1	1206.6	1198.4	1174.4	1168.5	1194.6	1300.0	1441.2	1477.0	1444.1	1350.0
27.5°	1281.3	1285.8	1300.0	1267.8	1226.7	1235.0	1335.8	1484.5	1558.5	1514.4	1400.1
30°	1408.3	1400.1	1397.1	1361.2	1307.4	1296.2	1376.9	1548.0	1665.3	1603.3	1459.1
32.5°	1494.2	1514.4	1513.6	1464.3	1399.3	1374.7	1427.7	1607.8	1779.6	1722.1	1568.2
35°	1664.5	1685.5	1669.0	1596.6	1520.4	1471.0	1500.9	1685.5	1910.3	1865.5	1660.8
37.5°	1881.9	1931.3	1896.1	1762.4	1654.8	1601.0	1602.5	1769.9	2044.1	2007.5	1760.2
40°	2032.1	2098.6	2050.0	1924.5	1810.2	1759.4	1739.3	1870.0	2203.9	2165.1	1915.6
42.5°	2218.1	2273.4	2248.0	2124.0	1990.3	1946.9	1906.6	2037.3	2448.3	2430.3	2115.0
45°	2421.4	2447.5	2439.3	2360.8	2212.2	2197.2	2108.3	2257.7	2735.9	2743.4	2364.6
47.5°	2610.4	2624.6	2640.3	2583.5	2490.8	2503.5	2340.7	2493.8	3015.3	3064.6	2642.5
50°	2658.9	2707.5	2744.1	2782.2	2802.4	2888.3	2596.9	2783.7	3336.6	3432.2	2951.8
52.5°	2609.6	2605.9	2717.2	2836.7	3038.5	3218.5	2945.8	3143.8	3620.5	3809.5	3234.9
55°	2385.5	2378.0	2557.3	2715.7	3109.4	3402.3	3444.1	3623.4	3963.4	4209.2	3618.2
57.5°	1993.3	1946.9	2142.7	2402.7	2955.5	3422.5	3944.7	4335.4	4490.8	4771.0	4203.2
60°	1339.6	1320.1	1507.7	1817.7	2399.7	3136.3	4244.3	5226.7	5234.2	5549.5	5110.9
62.5°	824.8	828.5	948.8	1181.2	1680.2	2486.4	4115.0	5938.7	5940.2	6256.2	5858.0
65°	539.4	541.6	638.8	767.3	1049.7	1686.2	3403.0	5994.7	6431.0	6724.7	6200.2
66°	480.4	481.1	564.8	669.4	869.6	1379.9	3005.6	5849.1	6541.6	6786.7	6195.7
67.5°	404.9	414.6	481.9	562.6	678.4	991.4	2384.7	5427.7	6484.8	6700.0	6055.3
70°	316.8	322.0	375.0	457.2	508.8	573.8	1417.3	4424.3	5935.7	6284.6	5544.2
72.5°	254.0	258.5	298.8	371.3	413.1	378.0	771.8	3210.3	4688.8	5060.9	4360.8
75°	214.4	215.2	234.6	292.1	339.9	283.9	410.9	2060.5	3008.6	3181.9	2671.6
77.5°	173.3	176.3	189.8	222.6	273.4	223.4	245.0	1154.3	1510.6	1523.3	1235.0
80°	141.2	142.7	150.9	162.1	208.4	165.1	165.9	563.3	647.7	632.8	502.1
82.5°	111.3	112.8	122.5	120.3	153.2	118.0	103.1	271.2	298.1	292.1	230.9
85°	62.8	62.8	96.4	96.4	97.1	74.7	62.8	127.8	157.6	147.2	108.3
87.5°	20.2	20.9	29.1	30.6	48.6	33.6	30.6	47.8	74.7	65.7	38.8
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°	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7
2.5°	875.6	863.6	858.4	841.2	836.8	825.5	820.3	813.6	811.4	801.6	810.6
5°	882.3	878.6	857.7	836.0	819.6	812.1	800.9	786.0	784.5	771.0	769.5
7.5°	910.7	898.0	861.4	838.2	805.4	786.7	762.0	754.6	744.9	740.4	750.1
10°	954.8	922.7	868.1	809.9	769.5	747.1	729.2	723.9	724.7	721.7	717.2
12.5°	986.2	955.5	856.9	786.0	733.7	712.0	710.5	715.7	723.9	720.2	725.4
15°	1031.0	973.5	848.7	746.4	704.5	698.5	697.8	713.5	712.7	712.7	712.0
17.5°	1072.8	991.4	818.8	712.0	673.9	678.4	683.6	682.9	690.3	693.3	698.5
20°	1125.9	1012.3	777.0	677.6	650.7	649.2	648.5	649.2	656.7	661.2	657.4
22.5°	1172.2	1016.8	741.9	644.7	623.1	617.1	607.4	617.1	613.4	614.9	619.3
25°	1212.5	1017.6	691.8	620.1	595.4	582.0	574.5	573.8	567.0	566.3	566.3
27.5°	1246.2	992.2	647.7	585.7	562.6	549.9	549.1	540.9	523.7	512.5	514.0
30°	1272.3	972.7	617.1	555.8	533.4	531.2	524.5	505.8	483.4	469.2	469.2
32.5°	1318.6	933.9	575.3	525.2	514.0	511.0	495.3	478.9	458.0	444.5	442.3
35°	1353.0	898.0	547.6	499.1	493.8	487.9	474.4	456.5	450.5	447.5	449.8
37.5°	1391.8	857.7	514.0	476.7	481.9	470.7	455.0	446.8	467.7	462.5	464.7
40°	1453.9	829.3	481.1	463.2	468.4	455.7	435.6	432.6	458.7	440.0	435.6
42.5°	1567.4	828.5	461.0	443.0	446.8	437.1	419.1	417.6	428.1	405.7	399.0
45°	1708.6	854.7	446.0	428.1	425.1	423.6	417.6	410.9	401.9	372.8	365.3
47.5°	1877.5	897.3	443.0	405.7	409.4	422.1	414.6	397.5	374.3	355.6	351.9
50°	2082.2	985.4	435.6	389.2	396.0	416.1	410.2	386.3	365.3	353.4	351.1
52.5°	2308.5	1096.7	425.8	363.8	378.8	410.9	413.9	391.5	360.8	350.4	348.9
55°	2575.3	1261.1	414.6	336.2	358.6	405.7	413.9	376.5	354.9	354.9	353.4
57.5°	3102.0	1557.0	391.5	310.8	340.7	396.0	401.9	377.3	355.6	355.6	352.6
60°	3874.5	2018.7	347.4	291.4	323.5	382.5	393.0	366.1	347.4	351.9	351.1
62.5°	4478.9	2159.1	310.0	272.7	306.3	357.9	381.0	354.1	337.7	354.1	355.6
65°	4608.1	2017.2	271.9	252.5	282.4	334.0	363.8	336.9	323.5	355.6	357.1
66°	4561.8	1906.6	258.5	246.5	271.9	322.0	353.4	331.0	316.0	354.1	354.9
67.5°	4355.6	1740.7	243.6	233.8	257.7	304.8	341.4	322.7	304.1	349.6	342.9
70°	3907.3	1476.3	218.2	211.4	237.6	276.4	313.8	301.8	285.4	322.0	310.0
72.5°	3009.3	1179.7	191.3	192.0	214.4	247.3	286.1	277.9	263.7	282.4	274.9
75°	1832.6	753.8	166.6	168.1	186.8	219.6	260.0	254.0	236.8	247.3	243.6
77.5°	812.1	373.6	140.5	143.4	158.4	193.5	226.4	216.7	198.7	201.0	199.5
80°	315.3	177.1	114.3	118.0	127.8	154.6	187.5	178.6	162.9	159.9	158.4
82.5°	151.7	98.6	88.2	89.7	93.4	123.3	161.4	150.2	129.2	115.8	115.8
85°	76.2	61.3	62.0	56.8	62.0	83.7	109.1	91.1	75.5	67.2	68.7
87.5°	30.6	30.6	30.6	26.1	27.6	39.6	50.8	34.4	31.4	18.7	18.7
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)