

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: P476436

Luminaire Tested: **IFLD-S-SA2B-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476436
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-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

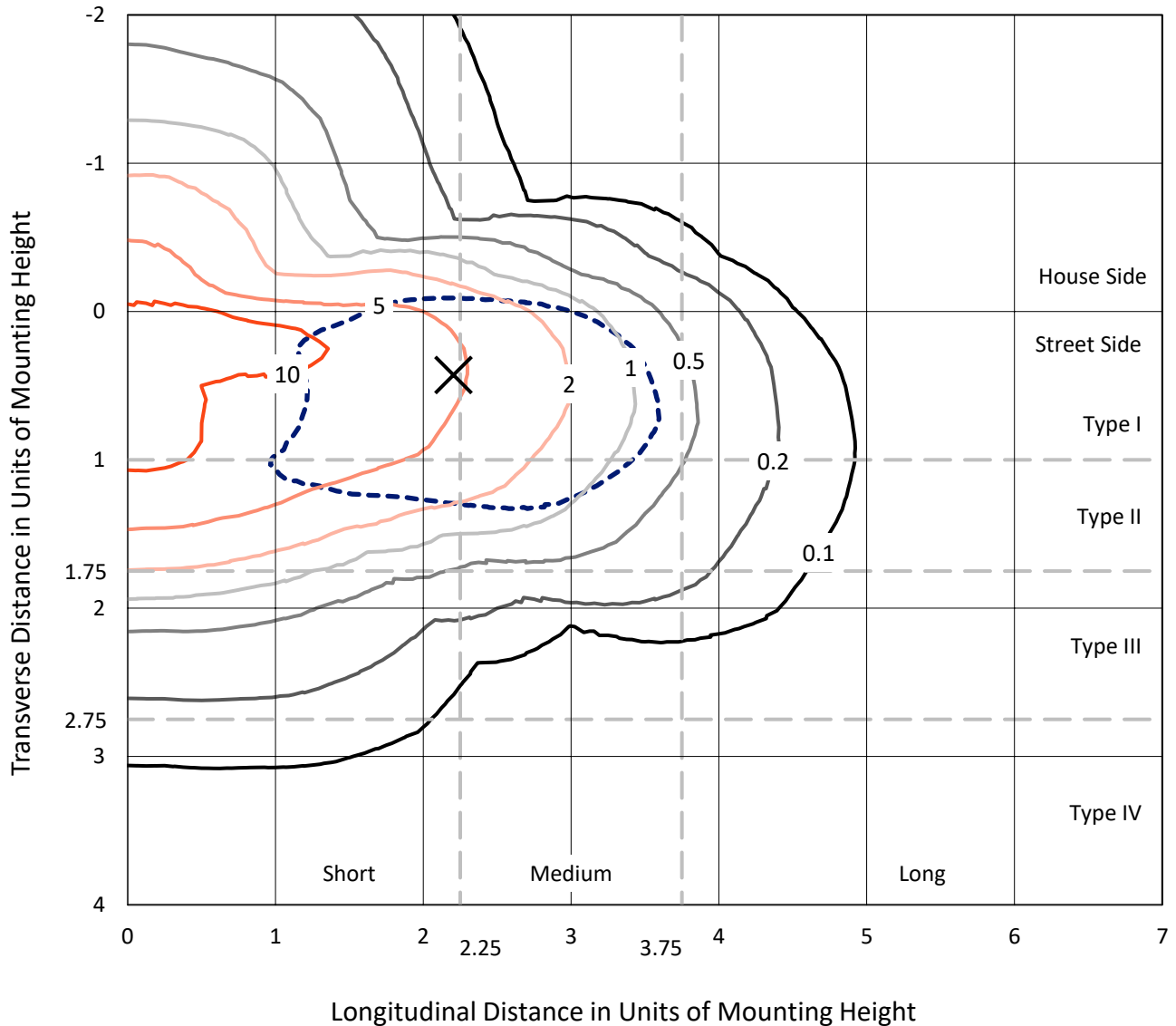
Lumens per Lamp: N/A
Luminaire Lumens: 8400.2 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 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

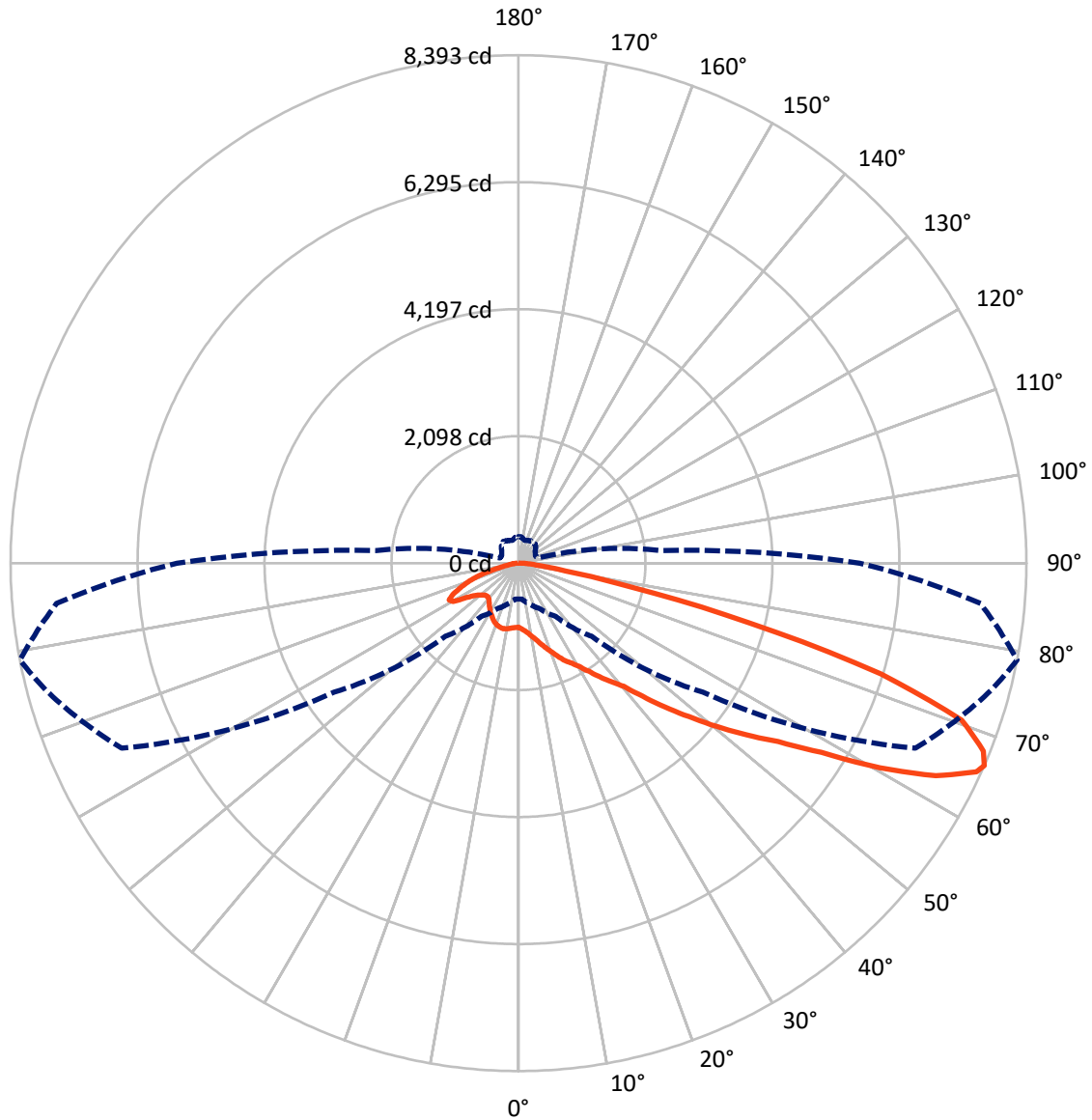
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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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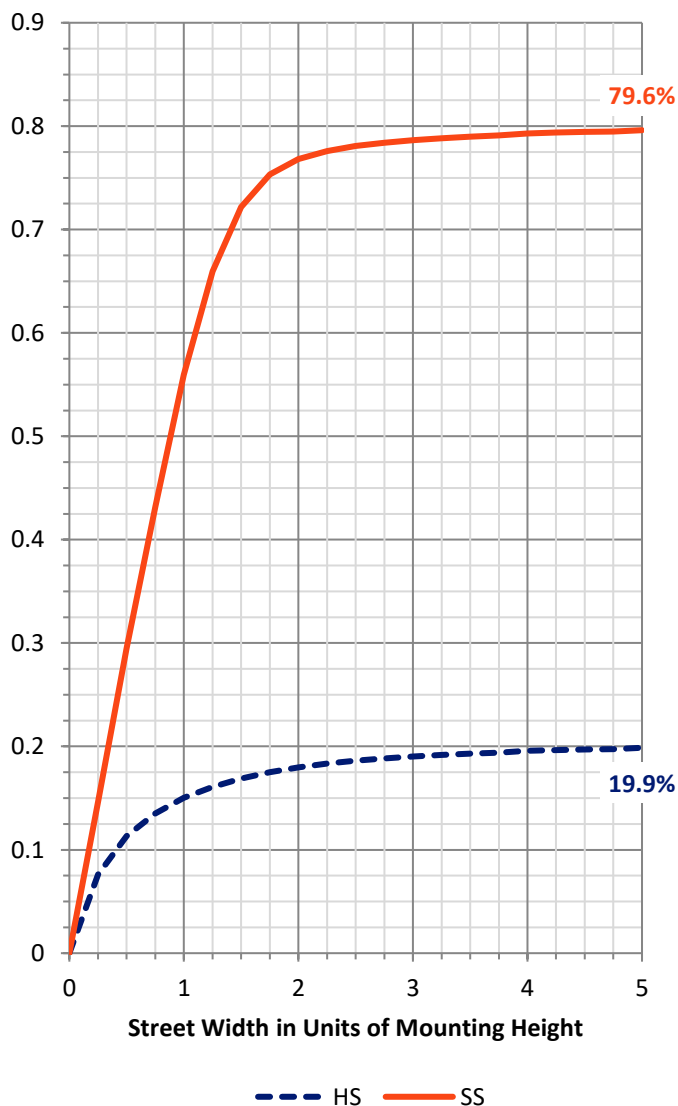
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1696.3	0.0	1696.3
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	6703.9	0.0	6703.9
	% Fixture	79.8	0.0	79.8
Total	Lumens	8400.2	0.0	8400.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	1.2
10°-20°	322.1	3.8
20°-30°	552.8	6.6
30°-40°	854.0	10.2
40°-50°	1367.9	16.3
50°-60°	2042.4	24.3
60°-70°	2098.6	25.0
70°-80°	930.3	11.1
80°-90°	127.6	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°	8400.2	100.0
0°-180°	8400.2	100.0

Coefficient of Utilization



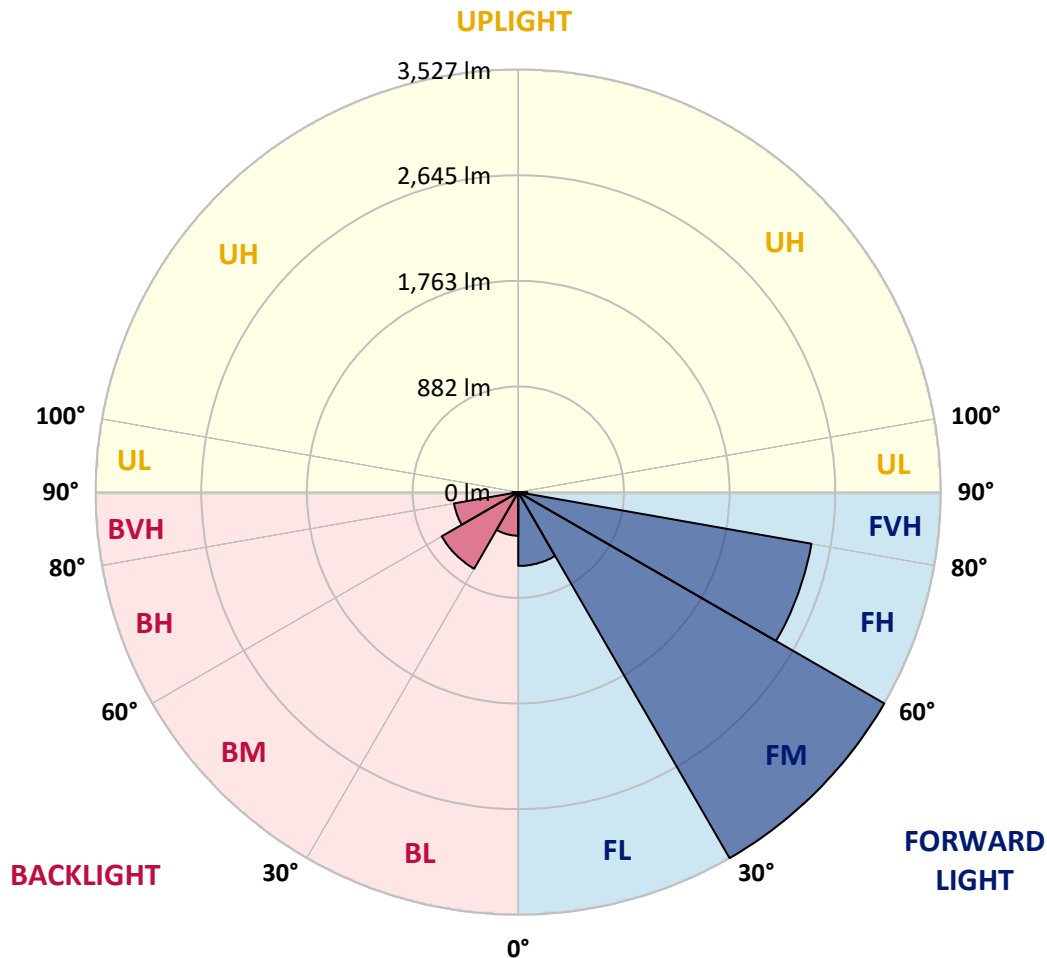
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.8	7.3			
FM (30°-60°)	3527.0	42.0			
FH (60°-80°)	2484.6	29.6			G2/5000
FVH (80°-90°)	76.6	0.9			G1/100
BL (0°-30°)	363.4	4.3	B1/500		
BM (30°-60°)	737.5	8.8	B1/1000		
BH (60°-80°)	544.3	6.5	B2/1000		G2/1000
BVH (80°-90°)	51.1	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°	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7
2.5°	1128.2	1129.1	1129.1	1125.4	1126.3	1129.1	1118.9	1096.7	1096.7	1093.0	1086.6
5°	1197.5	1192.8	1186.4	1187.3	1183.6	1183.6	1172.5	1151.3	1132.8	1125.4	1106.0
7.5°	1206.7	1211.3	1210.4	1221.5	1227.0	1227.0	1232.6	1215.0	1187.3	1169.7	1150.3
10°	1225.2	1213.2	1212.2	1238.1	1246.4	1265.8	1288.0	1278.8	1255.7	1230.7	1204.8
12.5°	1236.3	1243.7	1243.7	1256.6	1276.0	1304.6	1343.4	1361.0	1325.0	1299.1	1259.4
15°	1252.9	1242.7	1272.3	1283.4	1320.3	1340.7	1396.1	1441.4	1417.4	1385.9	1323.1
17.5°	1260.3	1253.8	1270.4	1290.8	1353.6	1384.1	1451.5	1514.4	1494.0	1473.7	1409.0
20°	1298.2	1297.2	1304.6	1321.3	1366.5	1426.6	1510.7	1597.5	1604.9	1568.0	1480.2
22.5°	1390.6	1378.6	1378.6	1372.1	1391.5	1453.4	1567.0	1687.2	1720.4	1677.0	1560.6
25°	1475.6	1492.2	1482.0	1452.5	1445.1	1477.4	1607.7	1782.3	1826.7	1786.0	1669.6
27.5°	1584.6	1590.1	1607.7	1568.0	1517.1	1527.3	1652.0	1835.9	1927.4	1872.9	1731.5
30°	1741.7	1731.5	1727.8	1683.5	1616.9	1603.1	1702.9	1914.5	2059.5	1982.8	1804.5
32.5°	1847.9	1872.9	1871.9	1811.0	1730.6	1700.1	1765.7	1988.4	2200.9	2129.7	1939.4
35°	2058.6	2084.5	2064.1	1974.5	1880.3	1819.3	1856.2	2084.5	2362.6	2307.1	2054.0
37.5°	2327.5	2388.4	2345.0	2179.6	2046.6	1980.1	1981.9	2188.9	2528.0	2482.7	2176.9
40°	2513.2	2595.4	2535.4	2380.1	2238.8	2175.9	2151.0	2312.7	2725.7	2677.6	2369.0
42.5°	2743.2	2811.6	2780.2	2626.8	2461.4	2407.8	2358.0	2519.6	3027.8	3005.7	2615.7
45°	2994.6	3026.9	3016.7	2919.7	2735.9	2717.4	2607.4	2792.2	3383.6	3392.8	2924.3
47.5°	3228.3	3245.9	3265.3	3195.1	3080.5	3096.2	2894.8	3084.2	3729.1	3790.1	3268.1
50°	3288.4	3348.4	3393.7	3440.8	3465.8	3572.0	3211.7	3442.7	4126.4	4244.7	3650.6
52.5°	3227.4	3222.8	3360.5	3508.3	3757.8	3980.4	3643.2	3888.0	4477.5	4711.3	4000.8
55°	2950.2	2941.0	3162.7	3358.6	3845.5	4207.7	4259.5	4481.2	4901.6	5205.6	4474.8
57.5°	2465.1	2407.8	2649.9	2971.5	3655.2	4232.7	4878.5	5361.8	5553.9	5900.4	5198.2
60°	1656.7	1632.6	1864.6	2248.0	2967.8	3878.8	5249.0	6464.0	6473.3	6863.2	6320.8
62.5°	1020.1	1024.7	1173.4	1460.8	2078.0	3074.9	5089.2	7344.6	7346.4	7737.3	7244.8
65°	667.1	669.9	790.0	948.9	1298.2	2085.4	4208.7	7413.9	7953.5	8316.6	7668.0
66°	594.1	595.0	698.5	827.9	1075.5	1706.6	3717.1	7233.7	8090.2	8393.3	7662.4
67.5°	500.8	512.8	596.0	695.7	839.0	1226.1	2949.3	6712.6	8020.0	8286.1	7488.7
70°	391.8	398.2	463.8	565.5	629.2	709.6	1752.8	5471.7	7340.9	7772.4	6856.7
72.5°	314.1	319.7	369.6	459.2	511.0	467.5	954.5	3970.3	5798.8	6258.9	5393.2
75°	265.2	266.1	290.1	361.3	420.4	351.1	508.2	2548.3	3720.8	3935.2	3304.1
77.5°	214.4	218.1	234.7	275.3	338.2	276.3	303.1	1427.5	1868.3	1884.0	1527.3
80°	174.6	176.5	186.6	200.5	257.8	204.2	205.1	696.7	801.1	782.6	620.9
82.5°	137.7	139.5	151.5	148.8	189.4	146.0	127.5	335.4	368.7	361.3	285.5
85°	77.6	77.6	119.2	119.2	120.1	92.4	77.6	158.0	195.0	182.0	134.0
87.5°	24.9	25.9	36.0	37.9	60.1	41.6	37.9	59.1	92.4	81.3	48.0
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°	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7	1060.7
2.5°	1082.9	1068.1	1061.6	1040.4	1034.8	1021.0	1014.5	1006.2	1003.4	991.4	1002.5
5°	1091.2	1086.6	1060.7	1033.9	1013.6	1004.3	990.5	972.0	970.2	953.5	951.7
7.5°	1126.3	1110.6	1065.3	1036.7	996.0	972.9	942.4	933.2	921.2	915.6	927.7
10°	1180.8	1141.1	1073.6	1001.6	951.7	924.0	901.8	895.3	896.2	892.5	887.0
12.5°	1219.6	1181.7	1059.8	972.0	907.3	880.5	878.7	885.2	895.3	890.7	897.2
15°	1275.1	1203.9	1049.6	923.0	871.3	863.9	863.0	882.4	881.5	881.5	880.5
17.5°	1326.8	1226.1	1012.7	880.5	833.4	839.0	845.4	844.5	853.7	857.4	863.9
20°	1392.4	1252.0	960.9	838.0	804.8	802.9	802.0	802.9	812.2	817.7	813.1
22.5°	1449.7	1257.5	917.5	797.4	770.6	763.2	751.2	763.2	758.6	760.4	766.0
25°	1499.6	1258.4	855.6	766.9	736.4	719.8	710.5	709.6	701.3	700.4	700.4
27.5°	1541.2	1227.0	801.1	724.4	695.7	680.0	679.1	668.9	647.7	633.8	635.7
30°	1573.5	1203.0	763.2	687.4	659.7	656.9	648.6	625.5	597.8	580.2	580.2
32.5°	1630.8	1155.0	711.5	649.5	635.7	632.0	612.6	592.3	566.4	549.8	547.0
35°	1673.3	1110.6	677.3	617.2	610.7	603.3	586.7	564.5	557.1	553.5	556.2
37.5°	1721.3	1060.7	635.7	589.5	596.0	582.1	562.7	552.5	578.4	571.9	574.7
40°	1798.0	1025.6	595.0	572.9	579.3	563.6	538.7	535.0	567.3	544.2	538.7
42.5°	1938.5	1024.7	570.1	547.9	552.5	540.5	518.3	516.5	529.4	501.7	493.4
45°	2113.1	1057.0	551.6	529.4	525.7	523.9	516.5	508.2	497.1	461.1	451.8
47.5°	2321.9	1109.7	547.9	501.7	506.3	522.0	512.8	491.5	462.9	439.8	435.2
50°	2575.1	1218.7	538.7	481.4	489.7	514.6	507.3	477.7	451.8	437.0	434.3
52.5°	2855.0	1356.4	526.7	450.0	468.4	508.2	511.9	484.2	446.3	433.3	431.5
55°	3184.9	1559.6	512.8	415.8	443.5	501.7	511.9	465.7	438.9	438.9	437.0
57.5°	3836.3	1925.5	484.2	384.4	421.3	489.7	497.1	466.6	439.8	439.8	436.1
60°	4791.7	2496.5	429.6	360.3	400.1	473.1	486.0	452.7	429.6	435.2	434.3
62.5°	5539.2	2670.3	383.4	337.2	378.8	442.6	471.2	438.0	417.6	438.0	439.8
65°	5699.0	2494.7	336.3	312.3	349.3	413.0	450.0	416.7	400.1	439.8	441.7
66°	5641.7	2358.0	319.7	304.9	336.3	398.2	437.0	409.3	390.8	438.0	438.9
67.5°	5386.7	2152.8	301.2	289.2	318.8	377.0	422.3	399.2	376.1	432.4	424.1
70°	4832.3	1825.8	269.8	261.5	293.8	341.9	388.1	373.3	353.0	398.2	383.4
72.5°	3721.7	1458.9	236.5	237.5	265.2	305.8	353.9	343.7	326.2	349.3	340.0
75°	2266.5	932.3	206.0	207.9	231.0	271.6	321.5	314.1	292.9	305.8	301.2
77.5°	1004.3	462.0	173.7	177.4	195.9	239.3	280.0	267.9	245.8	248.5	246.7
80°	389.9	219.0	141.4	146.0	158.0	191.3	231.9	220.8	201.4	197.7	195.9
82.5°	187.6	122.0	109.0	110.9	115.5	152.5	199.6	185.7	159.8	143.2	143.2
85°	94.2	75.8	76.7	70.2	76.7	103.5	134.9	112.7	93.3	83.2	85.0
87.5°	37.9	37.9	37.9	32.3	34.2	49.0	62.8	42.5	38.8	23.1	23.1
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)