

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209513

Luminaire Tested: UPW-SA2-130-730-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-730-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15363 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

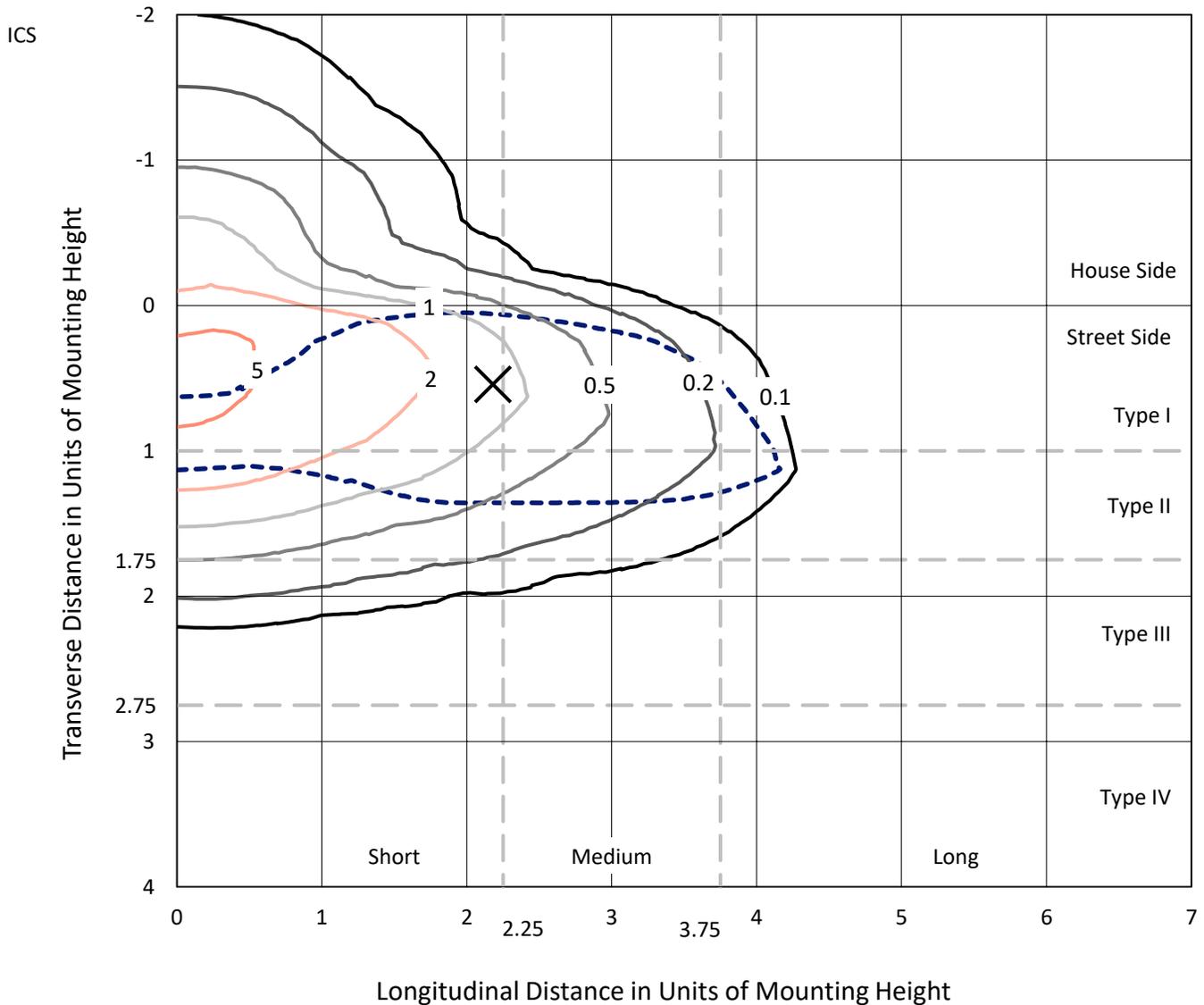
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209513
 CATALOG NUMBER: UPW-SA2-130-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

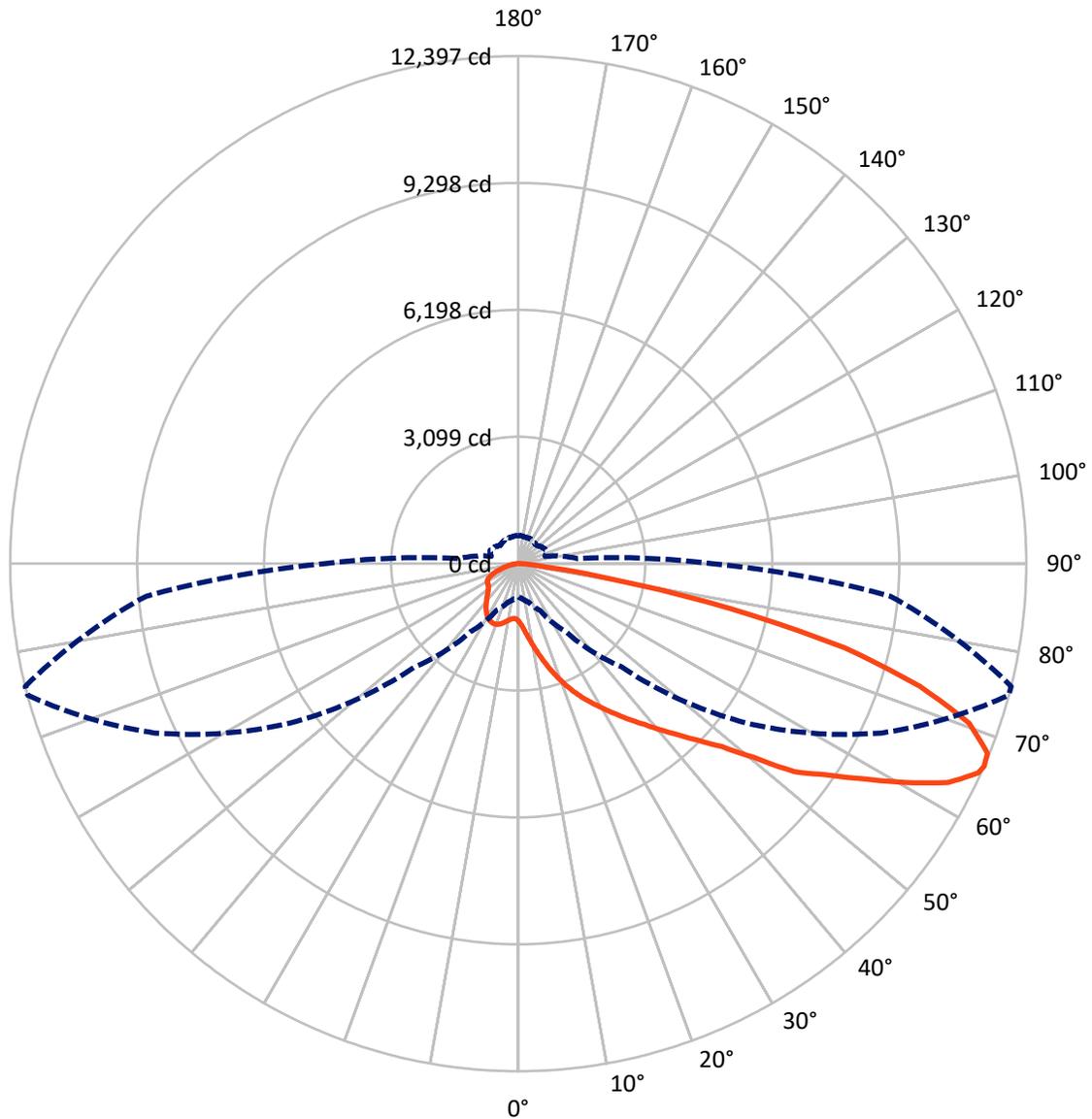
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

REPORT NUMBER: P1209513
CATALOG NUMBER: UPW-SA2-130-730-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P1209513

CATALOG NUMBER: UPW-SA2-130-730-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2585.1	0.0	2585.1
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	12777.9	0.0	12777.9
	% Fixture	83.2	0.0	83.2
Total	Lumens	15363.0	0.0	15363.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	1.1
10°-20°	670.0	4.4
20°-30°	1301.9	8.5
30°-40°	2125.0	13.8
40°-50°	2903.3	18.9
50°-60°	3381.8	22.0
60°-70°	3031.8	19.7
70°-80°	1532.2	10.0
80°-90°	247.4	1.6
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°	15363.0	100.0
0°-180°	15363.0	100.0



REPORT NUMBER: P1209513

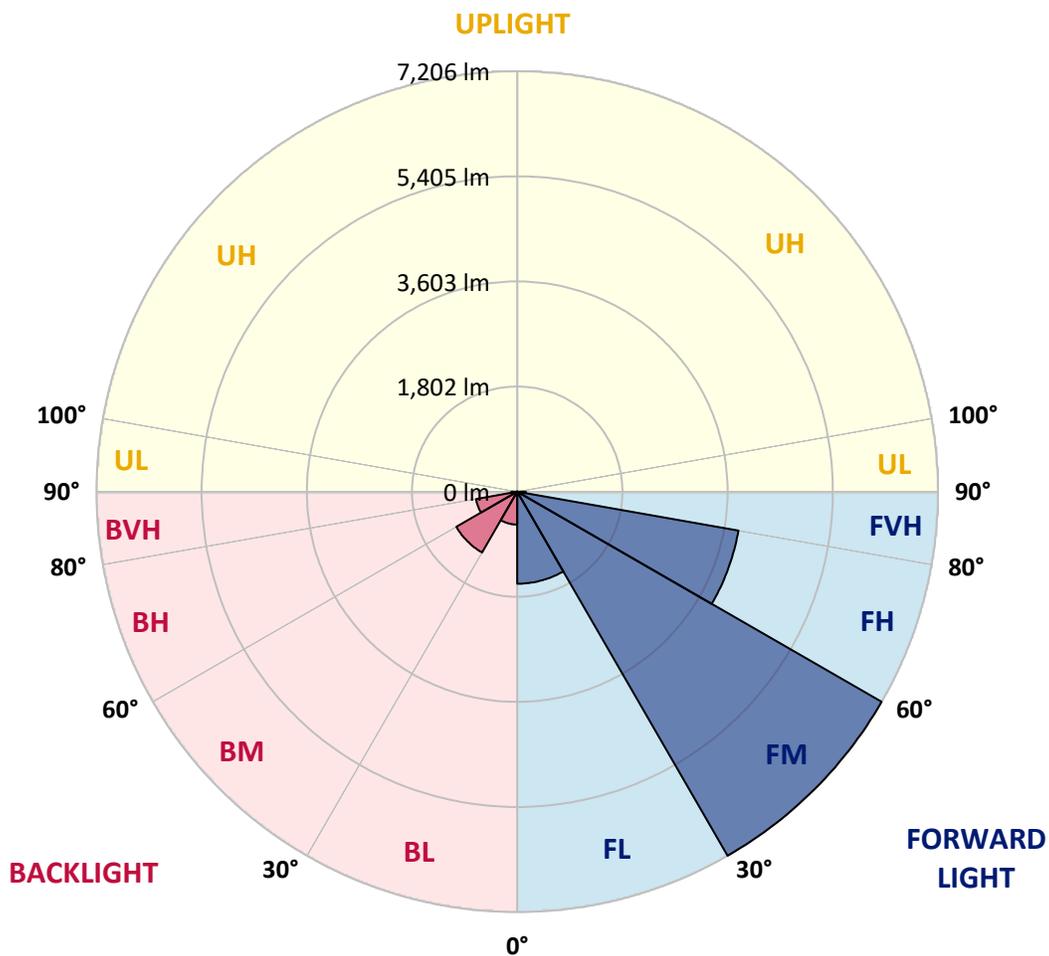
CATALOG NUMBER: UPW-SA2-130-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1577.7	10.3			
FM (30°-60°)	7206.3	46.9			
FH (60°-80°)	3847.8	25.0			G2/5000
FVH (80°-90°)	146.1	1.0			G2/225
BL (0°-30°)	563.8	3.7	B2/1000		
BM (30°-60°)	1203.8	7.8	B2/2500		
BH (60°-80°)	716.2	4.7	B2/1000		G2/1000
BVH (80°-90°)	101.3	0.7			G2/225
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





REPORT NUMBER: P1209513

CATALOG NUMBER: UPW-SA2-130-730-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0
2.5°	1862.5	1834.3	1831.7	1790.5	1781.1	1702.4	1644.5	1584.0	1515.1	1501.6	1447.3
5°	2392.4	2389.8	2353.8	2286.5	2233.8	2099.3	1966.3	1825.4	1671.1	1646.0	1524.0
7.5°	2869.1	2864.9	2837.3	2764.8	2688.6	2523.3	2333.4	2117.5	1867.2	1830.1	1627.8
10°	3231.0	3229.5	3220.1	3166.9	3102.2	2943.7	2734.0	2439.3	2095.1	2044.5	1757.6
12.5°	3510.6	3513.7	3520.0	3501.2	3470.4	3335.4	3120.5	2780.4	2338.1	2288.1	1902.1
15°	3699.9	3709.3	3741.7	3768.2	3784.4	3701.5	3493.4	3129.3	2610.4	2550.4	2062.2
17.5°	3795.4	3805.8	3861.6	3941.9	4016.0	4007.6	3842.3	3462.1	2871.7	2813.8	2234.4
20°	3877.8	3885.6	3948.2	4044.7	4175.6	4233.5	4140.6	3782.3	3158.0	3089.2	2416.9
22.5°	4116.6	4126.6	4145.3	4200.1	4315.9	4422.3	4377.4	4085.4	3420.4	3356.2	2590.1
25°	4577.7	4589.7	4549.0	4502.6	4524.5	4598.6	4606.9	4361.8	3686.4	3613.9	2776.2
27.5°	5133.2	5150.4	5081.0	4961.6	4857.3	4828.6	4818.7	4588.1	3940.4	3856.4	2960.4
30°	5677.1	5706.9	5616.6	5461.7	5270.3	5135.8	5036.2	4809.8	4190.7	4110.4	3134.0
32.5°	6208.6	6196.6	6065.7	5914.5	5690.2	5521.7	5280.8	5047.6	4472.4	4380.0	3306.7
35°	6572.7	6576.8	6455.3	6275.9	6062.1	5932.7	5608.3	5304.2	4759.7	4674.7	3502.8
37.5°	6882.5	6863.2	6725.5	6558.1	6373.9	6318.7	5991.6	5586.9	5071.1	4978.3	3711.4
40°	6985.7	6963.3	6873.1	6752.6	6605.0	6600.3	6414.6	5907.2	5423.1	5331.4	3946.6
42.5°	6923.1	6894.5	6857.4	6824.6	6779.2	6800.1	6812.1	6282.7	5810.1	5707.4	4218.9
45°	6692.1	6648.8	6674.9	6746.3	6844.9	6962.8	7170.9	6698.4	6243.6	6157.5	4538.6
47.5°	6336.9	6297.8	6379.2	6532.0	6800.1	7098.4	7510.4	7157.3	6760.9	6675.4	4993.9
50°	5837.3	5848.7	5965.0	6243.0	6648.3	7161.0	7928.7	7764.9	7513.0	7433.2	5615.1
52.5°	5017.4	5019.5	5347.0	5803.4	6379.2	7128.6	8160.8	8541.5	8540.0	8443.5	6206.5
55°	4255.9	4302.3	4561.5	5168.1	5943.1	6999.3	8323.0	8919.1	9214.3	9101.2	6757.8
57.5°	3512.2	3539.3	3784.9	4394.1	5320.9	6654.5	8489.4	9372.4	9991.5	9920.0	7443.1
60°	2666.2	2707.9	2961.9	3524.7	4525.0	6042.8	8505.0	9845.4	10920.4	10848.4	8208.3
62.5°	1730.5	1802.5	2040.3	2567.6	3562.2	5162.9	8142.0	10154.7	11800.7	11775.2	8887.3
65°	994.6	1048.9	1214.2	1621.0	2457.6	4058.2	7278.8	10035.8	12342.6	12328.0	9141.3
66°	812.6	846.5	973.2	1266.9	2027.8	3563.8	6777.1	9784.9	12396.4	12396.9	9112.1
67.5°	649.9	665.0	721.8	907.0	1496.3	2824.8	5880.6	9231.6	12329.6	12347.9	8923.8
70°	537.7	545.5	563.3	608.1	816.8	1703.4	4174.0	7793.6	11659.4	11673.5	8189.0
72.5°	482.4	487.1	493.9	500.2	576.3	951.8	2549.4	6234.7	10222.5	10240.8	7069.2
75°	437.1	439.7	438.6	439.2	483.5	606.6	1317.5	4654.9	8265.6	8229.1	5415.3
77.5°	383.9	386.5	381.3	382.3	427.7	466.3	655.6	3258.7	5578.1	5320.4	3051.1
80°	324.4	326.5	324.4	328.1	372.4	352.1	381.3	1833.3	2466.4	2332.9	1084.8
82.5°	245.1	254.0	260.3	274.9	306.7	250.3	255.0	714.0	751.0	715.1	332.8
85°	107.4	130.9	196.1	210.2	230.5	150.2	167.4	291.0	305.6	296.2	121.0
87.5°	28.2	30.8	97.0	122.0	127.8	67.8	87.1	132.5	139.8	132.5	40.2
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: P1209513

CATALOG NUMBER: UPW-SA2-130-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0
2.5°	1418.6	1393.1	1347.2	1306.5	1275.7	1254.9	1234.0	1223.6	1217.3	1211.1	1212.1
5°	1464.0	1412.4	1333.6	1277.8	1246.5	1226.7	1216.3	1212.1	1209.5	1203.2	1203.2
7.5°	1532.3	1459.3	1350.8	1293.5	1268.9	1253.8	1247.6	1245.5	1242.3	1235.0	1236.1
10°	1618.4	1516.2	1386.8	1331.0	1308.6	1291.9	1283.0	1279.9	1274.2	1265.8	1266.9
12.5°	1719.6	1586.6	1434.3	1375.9	1348.7	1326.3	1311.7	1302.8	1292.9	1282.0	1282.5
15°	1830.1	1663.2	1485.4	1416.0	1379.0	1347.7	1324.2	1309.1	1293.5	1279.9	1279.4
17.5°	1942.3	1737.3	1524.5	1437.9	1387.9	1346.7	1314.8	1291.4	1272.1	1255.4	1253.8
20°	2063.3	1804.1	1546.4	1435.8	1371.2	1322.1	1279.9	1250.7	1229.3	1212.6	1210.0
22.5°	2186.4	1866.7	1550.1	1414.5	1334.1	1274.2	1229.8	1197.5	1175.6	1158.4	1152.1
25°	2299.0	1915.2	1534.9	1373.3	1282.5	1217.8	1174.5	1141.7	1124.0	1103.6	1097.4
27.5°	2401.8	1949.1	1504.7	1320.6	1224.6	1161.0	1120.3	1092.1	1072.8	1057.2	1052.0
30°	2494.1	1967.3	1455.1	1258.0	1165.2	1107.3	1072.8	1053.5	1036.9	1017.0	1013.4
32.5°	2581.7	1967.3	1391.5	1189.7	1106.2	1059.8	1039.5	1027.5	1008.7	989.4	984.2
35°	2669.3	1955.3	1316.4	1118.2	1052.0	1025.9	1024.9	1010.8	982.1	956.0	949.2
37.5°	2761.6	1930.8	1231.9	1051.5	1007.6	1010.8	1019.6	988.4	947.7	910.6	900.7
40°	2866.0	1896.9	1144.3	993.6	970.6	1004.0	1005.6	956.0	876.7	842.8	834.0
42.5°	2988.5	1863.0	1062.9	942.5	941.4	983.7	979.0	886.1	838.7	821.5	816.8
45°	3149.7	1843.7	985.7	893.9	918.5	950.8	933.6	847.5	827.7	817.8	813.6
47.5°	3403.7	1853.6	914.8	855.4	895.5	917.9	849.1	831.9	817.8	805.8	801.6
50°	3721.8	1847.9	857.4	828.8	869.4	883.5	811.0	811.5	804.2	790.7	784.4
52.5°	3961.2	1803.0	820.4	813.6	846.5	822.5	787.0	791.7	788.1	768.3	761.5
55°	4192.3	1764.4	801.6	807.9	829.8	746.3	758.9	770.3	766.7	747.4	744.3
57.5°	4479.7	1757.1	790.2	809.5	815.7	708.3	731.7	746.9	744.3	735.9	734.4
60°	4831.7	1759.2	779.7	812.1	800.1	680.1	706.2	725.5	727.1	725.5	724.4
62.5°	5025.2	1702.4	753.6	804.8	772.4	655.6	679.6	707.8	708.3	711.4	710.9
65°	4860.9	1532.3	705.1	779.2	726.0	635.3	656.6	687.4	679.6	693.7	693.7
66°	4701.3	1434.3	681.2	762.5	706.2	627.4	649.3	677.0	667.1	686.4	686.4
67.5°	4375.3	1268.9	637.9	727.1	678.0	616.5	641.0	659.8	646.2	674.9	672.8
70°	3779.7	981.6	550.8	646.7	631.6	600.3	629.5	625.3	605.5	649.3	641.0
72.5°	3186.7	745.8	442.3	541.4	561.2	580.0	613.4	581.5	556.5	587.3	569.0
75°	2472.7	560.7	349.4	420.9	474.1	548.2	594.1	530.9	495.0	491.8	481.9
77.5°	1336.8	384.9	276.9	321.3	376.6	508.5	581.0	476.7	422.5	409.9	402.1
80°	529.4	250.3	201.3	243.6	263.4	451.1	549.7	413.6	348.4	335.9	323.9
82.5°	218.5	148.1	129.9	163.2	171.6	386.0	493.4	339.0	269.1	372.4	395.3
85°	93.9	81.4	77.2	84.5	97.0	270.7	392.7	258.7	290.5	259.2	206.0
87.5°	28.2	34.4	32.9	32.3	35.5	64.7	209.1	143.9	213.3	80.8	60.5
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)