

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: P1209473

Luminaire Tested: UPW-SA2-130-727-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-727-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12988 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
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

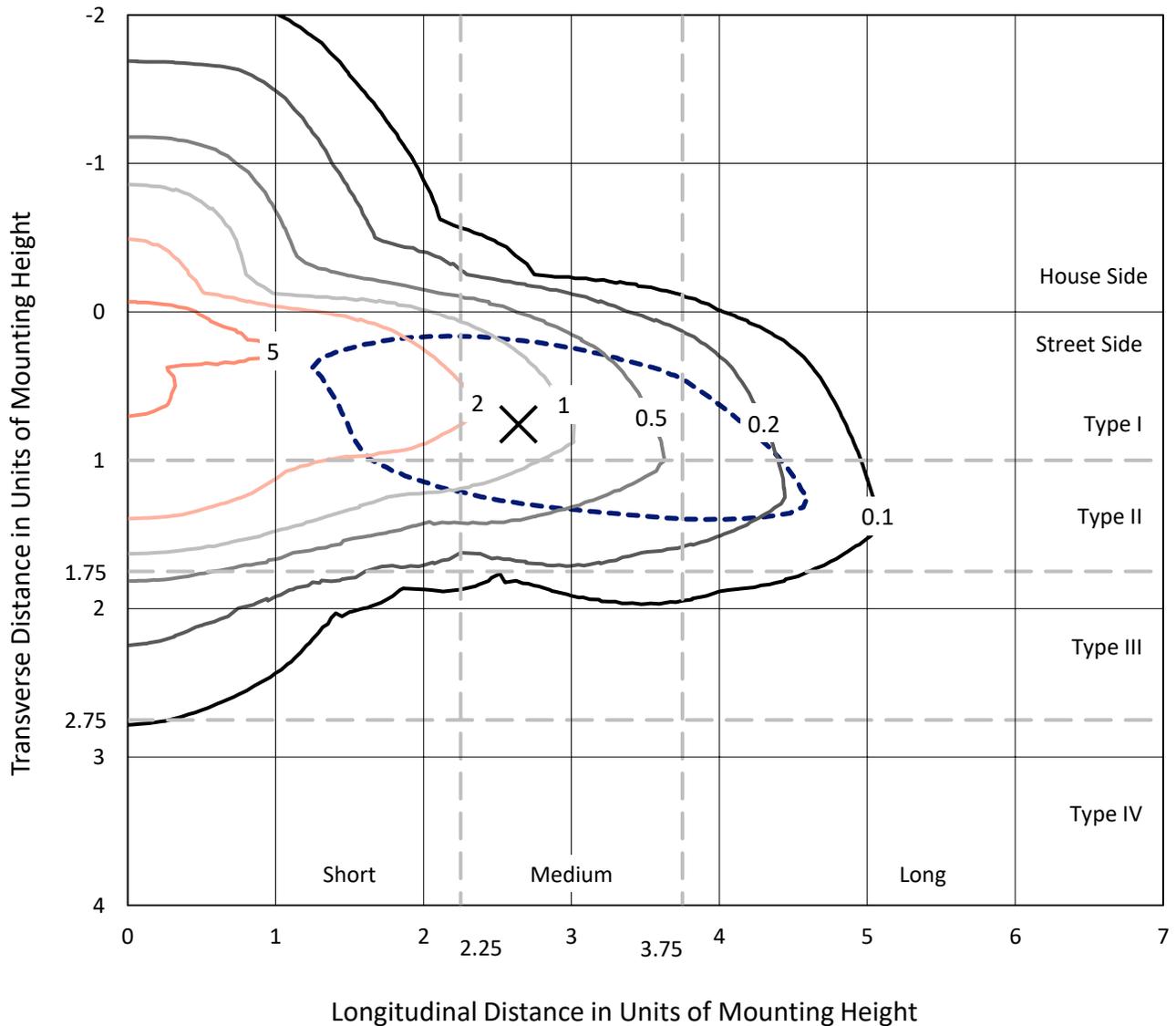


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

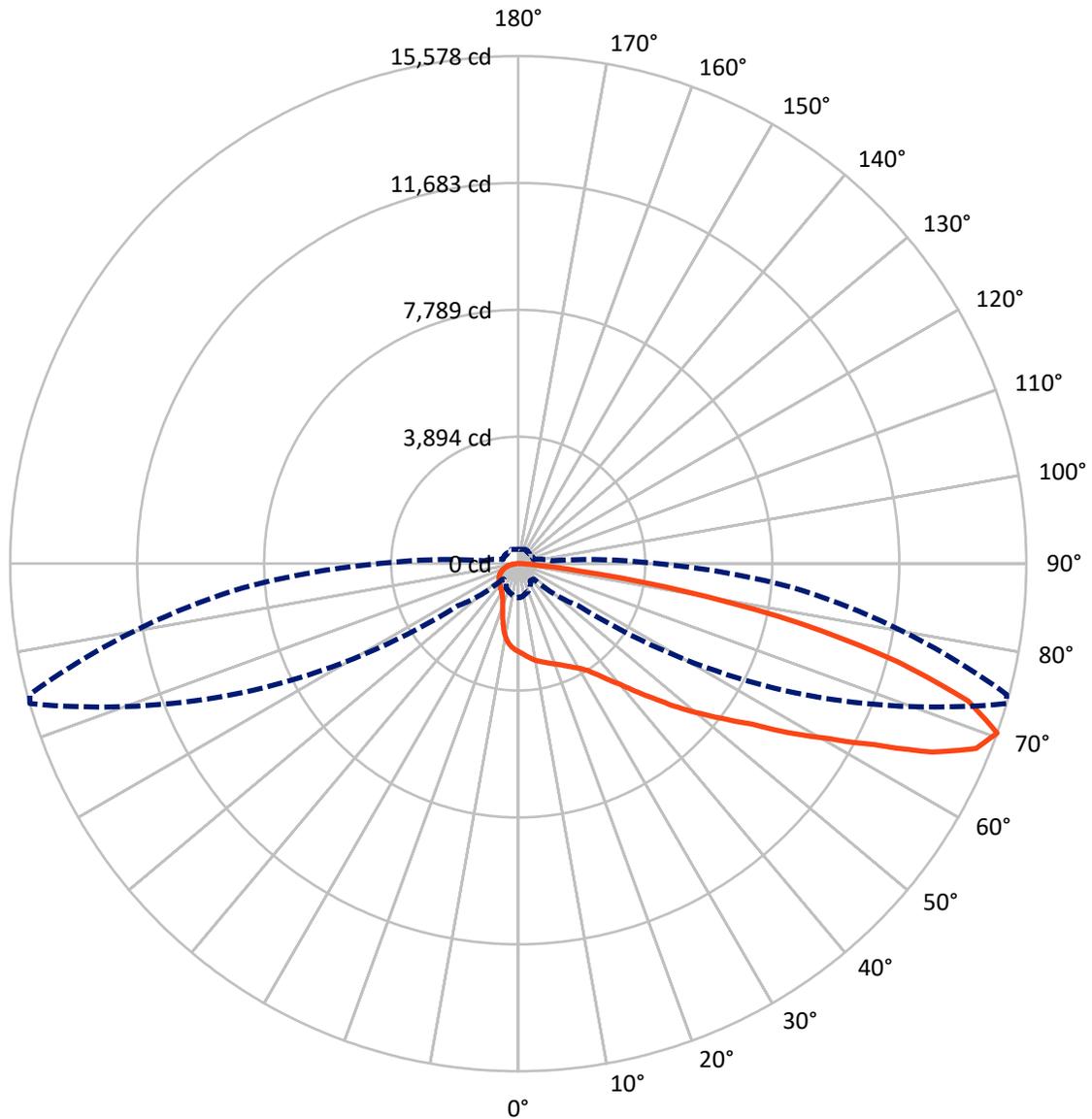


Based on 20 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2377.3	0.0	2377.3
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	10610.7	0.0	10610.7
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	12988.0	0.0	12988.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.5	1.8
10°-20°	624.9	4.8
20°-30°	989.5	7.6
30°-40°	1474.4	11.4
40°-50°	2033.1	15.7
50°-60°	2726.6	21.0
60°-70°	2829.7	21.8
70°-80°	1790.6	13.8
80°-90°	281.8	2.2
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°	12988.0	100.0
0°-180°	12988.0	100.0



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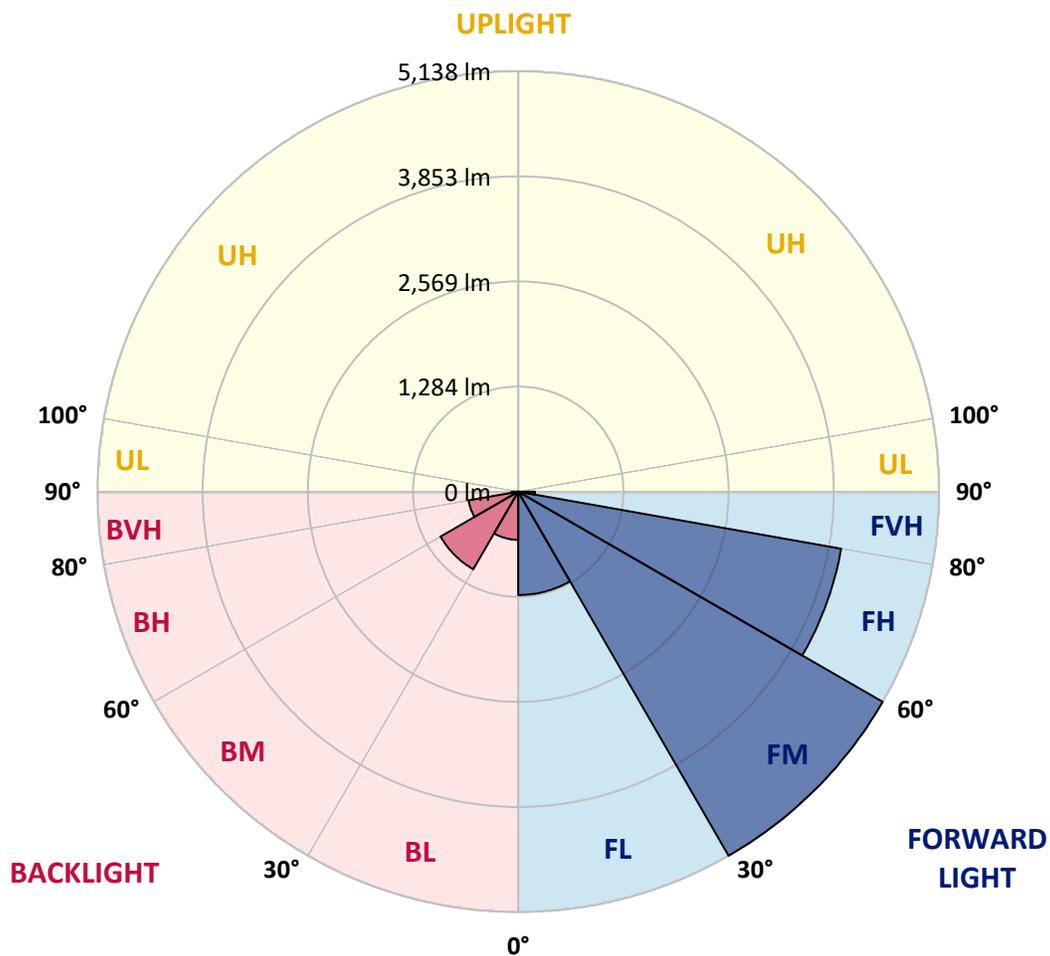
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1263.5	9.7			
FM	(30°-60°)	5137.9	39.6			
FH	(60°-80°)	4004.6	30.8			G2/5000
FVH	(80°-90°)	204.8	1.6			G2/225
BL	(0°-30°)	588.4	4.5	B2/1000		
BM	(30°-60°)	1096.2	8.4	B2/2500		
BH	(60°-80°)	615.7	4.7	B2/1000		G2/1000
BVH	(80°-90°)	77.0	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6
2.5°	2892.0	2887.7	2877.5	2877.5	2873.2	2863.0	2833.9	2803.4	2774.3	2771.4	2733.6
5°	3011.2	3003.9	3002.5	3002.5	2996.7	2986.5	2947.3	2905.1	2863.0	2854.3	2786.0
7.5°	3067.9	3062.1	3063.5	3070.8	3082.4	3073.7	3038.8	3002.5	2945.8	2938.6	2836.8
10°	3037.4	3041.7	3059.2	3099.9	3128.9	3144.9	3115.9	3082.4	3024.3	3015.6	2877.5
12.5°	2844.1	2857.2	2912.4	3017.0	3127.5	3188.5	3187.1	3152.2	3082.4	3075.2	2909.5
15°	2552.0	2536.0	2637.7	2804.8	3005.4	3178.3	3235.0	3219.0	3149.3	3139.1	2947.3
17.5°	2408.1	2409.6	2454.6	2557.8	2778.7	3095.5	3261.2	3285.9	3220.5	3207.4	2989.4
20°	2466.2	2464.8	2469.1	2504.0	2610.1	2926.9	3262.6	3358.6	3290.2	3281.5	3027.2
22.5°	2631.9	2626.1	2613.0	2583.9	2586.9	2777.2	3242.3	3438.5	3378.9	3361.5	3053.4
25°	2863.0	2848.4	2806.3	2740.9	2671.1	2732.2	3190.0	3531.5	3480.6	3461.7	3081.0
27.5°	3126.0	3123.1	3078.1	2953.1	2820.8	2788.9	3130.4	3633.2	3601.3	3575.1	3111.5
30°	3397.8	3381.8	3339.7	3206.0	3038.8	2912.4	3112.9	3745.1	3729.1	3695.7	3136.2
32.5°	3546.0	3538.8	3511.1	3429.8	3284.4	3091.1	3163.8	3859.9	3912.3	3887.5	3190.0
35°	3663.7	3650.7	3621.6	3588.2	3514.1	3326.6	3281.5	3998.0	4185.5	4141.9	3304.8
37.5°	3775.6	3761.1	3740.8	3708.8	3660.8	3551.8	3453.0	4186.9	4531.4	4500.8	3479.2
40°	3900.6	3884.6	3858.5	3836.7	3769.8	3736.4	3614.3	4367.1	4901.9	4887.4	3688.4
42.5°	3995.1	3977.7	3964.6	3950.0	3877.4	3814.9	3740.8	4538.6	5401.9	5365.5	3966.0
45°	4064.9	4054.7	4054.7	4037.2	3989.3	3817.8	3829.4	4768.2	5939.6	5928.0	4349.7
47.5°	4140.4	4127.3	4134.6	4118.6	4104.1	3820.7	3938.4	5074.9	6586.3	6576.1	4778.4
50°	4230.5	4217.4	4246.5	4223.3	4229.1	3907.9	4093.9	5458.6	7225.8	7201.0	5234.7
52.5°	4242.2	4239.2	4311.9	4364.2	4406.4	4107.0	4357.0	5916.3	7924.8	7924.8	5766.7
55°	4006.7	4000.9	4141.9	4364.2	4601.1	4489.2	4845.3	6632.8	8697.9	8718.3	6240.4
57.5°	3253.9	3281.5	3519.9	3957.3	4590.9	5034.2	5567.6	7504.8	9787.9	9721.1	6705.5
60°	2069.5	2110.2	2300.6	2902.2	3905.0	5125.8	6345.1	8612.2	10893.9	10766.0	7320.2
62.5°	1367.5	1332.7	1335.6	1619.0	2512.7	4307.5	6497.7	9924.5	12228.0	12135.0	7866.7
65°	1216.4	1191.7	1068.2	994.0	1220.8	2690.0	5525.4	10870.6	13942.9	13682.7	8285.2
67.5°	1153.9	1129.2	1014.4	899.6	768.8	1374.8	3926.8	10696.2	15140.4	14976.1	8594.8
70°	1044.9	1030.4	937.4	848.7	642.4	664.2	2265.7	9389.7	15577.8	15499.3	8453.8
72.5°	908.3	890.9	828.4	767.3	563.9	489.8	1087.1	7443.7	14428.3	14422.4	7856.5
75°	744.1	729.6	678.7	658.3	476.7	401.1	617.6	5227.5	12020.2	11956.2	6983.1
77.5°	608.9	588.6	553.7	537.7	395.3	322.6	434.5	3649.2	8870.9	8703.7	4887.4
80°	441.8	428.7	395.3	433.1	312.5	250.0	322.6	2270.0	5212.9	4872.9	1831.1
82.5°	268.9	242.7	273.2	331.3	231.1	178.8	236.9	1265.8	1868.9	1642.2	546.4
85°	125.0	127.9	159.9	212.2	138.1	104.6	148.2	553.7	542.1	518.8	229.6
87.5°	20.3	21.8	61.0	93.0	58.1	34.9	59.6	122.1	204.9	210.7	98.8
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°	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6	2704.6
2.5°	2710.4	2687.1	2645.0	2598.5	2546.2	2498.2	2477.9	2411.0	2395.0	2390.7	2357.2
5°	2738.0	2687.1	2576.7	2445.9	2293.3	2155.2	2002.6	1880.6	1812.3	1806.4	1815.2
7.5°	2765.6	2685.7	2483.7	2219.2	1948.9	1681.5	1518.7	1422.8	1355.9	1339.9	1344.3
10°	2780.1	2665.3	2341.2	1934.3	1560.8	1366.1	1273.1	1239.7	1229.5	1220.8	1220.8
12.5°	2783.0	2620.3	2152.3	1627.7	1332.7	1238.2	1212.0	1203.3	1201.9	1200.4	1197.5
15°	2786.0	2563.6	1911.1	1390.8	1229.5	1199.0	1188.8	1187.3	1190.2	1188.8	1188.8
17.5°	2783.0	2486.6	1677.1	1254.2	1191.7	1180.1	1174.3	1172.8	1177.2	1175.7	1174.3
20°	2772.9	2387.8	1448.9	1184.4	1165.5	1162.6	1155.4	1149.6	1155.4	1156.8	1155.4
22.5°	2733.6	2242.4	1284.7	1140.8	1140.8	1140.8	1132.1	1124.8	1135.0	1137.9	1139.4
25°	2672.6	2068.0	1162.6	1104.5	1111.8	1108.9	1108.9	1107.4	1117.6	1120.5	1121.9
27.5°	2608.7	1886.4	1076.9	1065.3	1076.9	1084.2	1097.2	1098.7	1098.7	1095.8	1094.3
30°	2527.3	1688.7	1021.7	1030.4	1046.4	1072.5	1095.8	1092.9	1082.7	1072.5	1074.0
32.5°	2461.9	1528.9	967.9	999.9	1028.9	1066.7	1087.1	1091.4	1090.0	1072.5	1072.5
35°	2437.2	1401.0	931.6	973.7	1017.3	1052.2	1060.9	1079.8	1076.9	1055.1	1053.6
37.5°	2453.2	1297.8	899.6	946.1	999.9	1017.3	1036.2	1040.6	1004.2	981.0	975.2
40°	2488.0	1222.2	870.5	911.2	970.8	985.3	1011.5	972.3	941.7	922.8	925.7
42.5°	2585.4	1190.2	844.4	872.0	927.2	960.6	950.5	938.8	896.7	866.2	863.3
45°	2739.5	1188.8	821.1	831.3	877.8	912.7	911.2	898.1	853.1	821.1	816.7
47.5°	2950.2	1217.9	796.4	793.5	831.3	853.1	873.4	853.1	806.6	770.2	765.9
50°	3201.6	1293.4	773.1	754.3	780.4	813.8	824.0	809.5	765.9	731.0	726.6
52.5°	3503.9	1398.1	752.8	719.4	726.6	773.1	796.4	783.3	733.9	696.1	690.3
55°	3797.4	1496.9	725.2	683.0	671.4	735.4	771.7	770.2	697.6	658.3	655.4
57.5°	4098.3	1589.9	694.7	652.5	633.6	694.7	745.5	751.4	659.8	617.6	617.6
60°	4403.5	1655.3	656.9	620.6	610.4	649.6	706.3	707.8	626.4	594.4	597.3
62.5°	4653.4	1616.1	619.1	590.0	582.8	606.0	662.7	675.8	623.5	588.6	591.5
65°	4759.5	1485.3	577.0	561.0	549.3	558.1	610.4	626.4	571.1	531.9	536.3
67.5°	4691.2	1294.9	534.8	527.5	511.6	508.7	542.1	552.2	511.6	486.9	483.9
70°	4285.8	1033.3	483.9	483.9	469.4	456.3	473.8	482.5	450.5	436.0	438.9
72.5°	3708.8	840.0	434.5	440.3	420.0	402.6	412.7	417.1	398.2	390.9	388.0
75°	3208.9	701.9	385.1	393.8	372.0	344.4	356.1	356.1	340.1	338.6	337.2
77.5°	2339.8	527.5	331.3	341.5	324.1	289.2	292.1	293.6	287.8	287.8	289.2
80°	1001.3	322.6	270.3	286.3	268.9	226.7	235.4	235.4	250.0	286.3	280.5
82.5°	332.8	191.8	204.9	225.3	206.4	168.6	178.8	191.8	247.1	236.9	225.3
85°	142.4	106.1	130.8	142.4	132.2	101.7	116.3	200.6	183.1	177.3	178.8
87.5°	48.0	45.1	55.2	65.4	46.5	32.0	59.6	122.1	119.2	90.1	87.2
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)