

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: P1209500

Luminaire Tested: UPW-SA2-130-730-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209500  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-730-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 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: 14143 lumens  
Efficiency: N/A  
Efficacy: 109.6 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

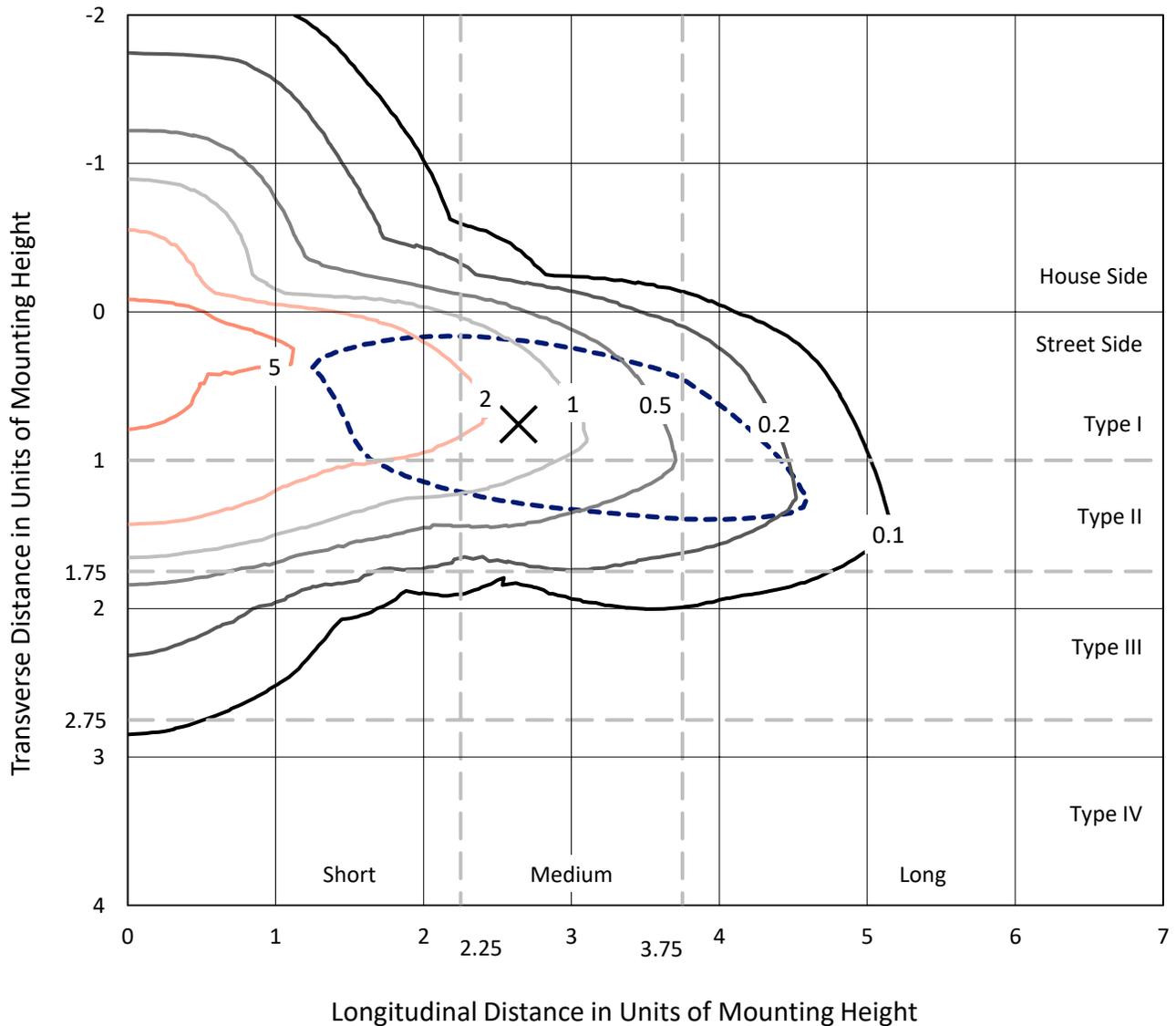


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

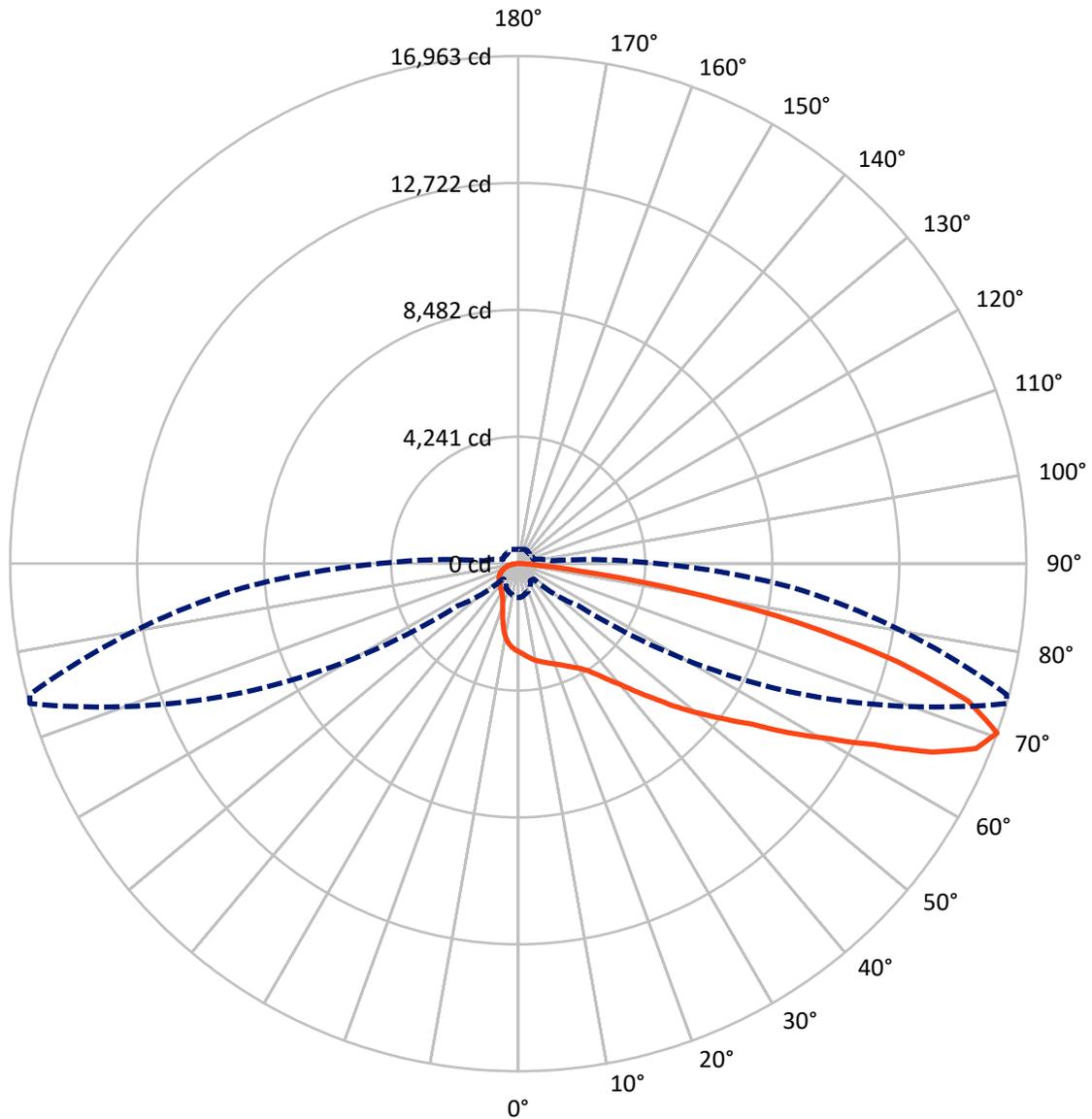


Based on 20 foot mounting height. Maximum calculated value = 8.2 fc  
 Type II - Medium - N/A

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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	2588.7	0.0	2588.7
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	11554.3	0.0	11554.3
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	14143.0	0.0	14143.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.7	1.8
10°-20°	680.4	4.8
20°-30°	1077.5	7.6
30°-40°	1605.5	11.4
40°-50°	2213.9	15.7
50°-60°	2969.1	21.0
60°-70°	3081.3	21.8
70°-80°	1949.8	13.8
80°-90°	306.9	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°	14143.0	100.0
0°-180°	14143.0	100.0



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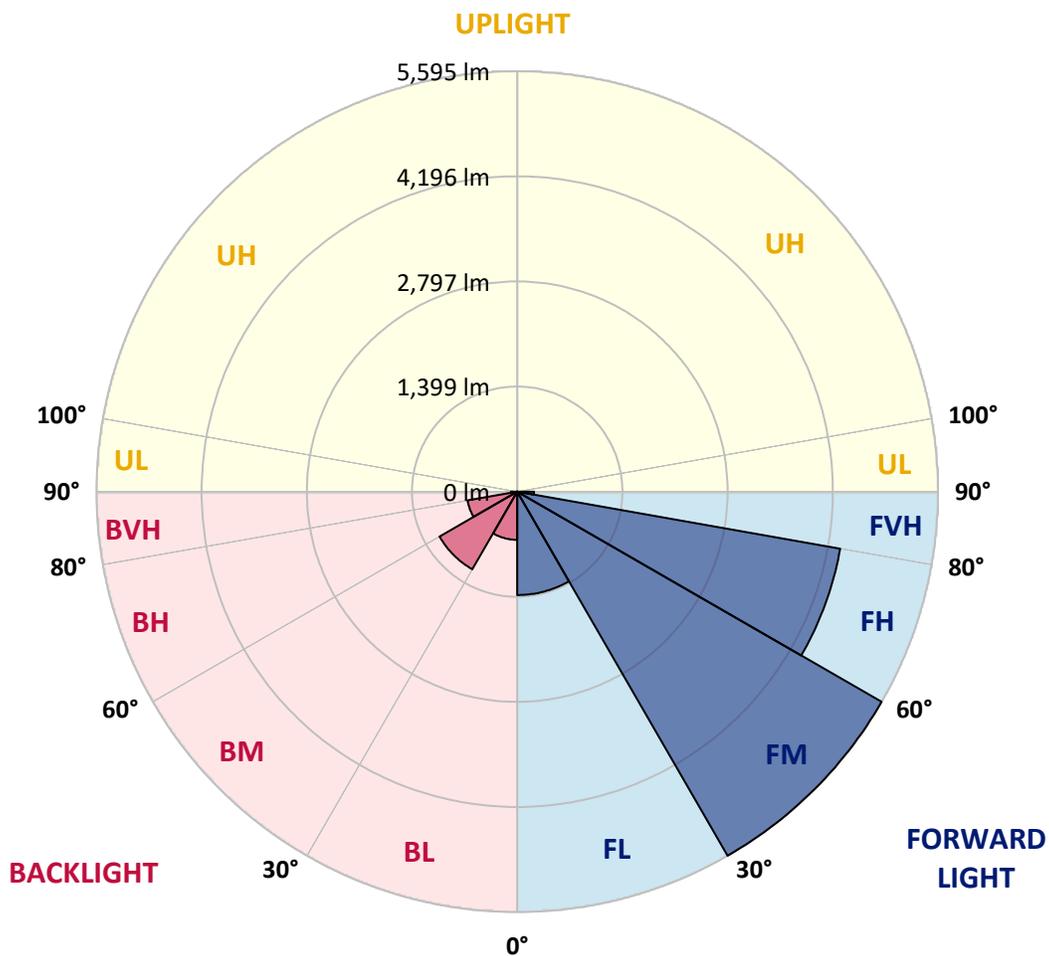
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1375.8	9.7			
FM (30°-60°)	5594.8	39.6			
FH (60°-80°)	4360.7	30.8			G2/5000
FVH (80°-90°)	223.0	1.6			G2/225
BL (0°-30°)	640.7	4.5	B2/1000		
BM (30°-60°)	1193.6	8.4	B2/2500		
BH (60°-80°)	670.5	4.7	B2/1000		G2/1000
BVH (80°-90°)	83.9	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°	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1
2.5°	3149.2	3144.5	3133.4	3133.4	3128.7	3117.6	3085.9	3052.7	3021.0	3017.9	2976.7
5°	3279.0	3271.1	3269.5	3269.5	3263.2	3252.1	3209.4	3163.5	3117.6	3108.1	3033.7
7.5°	3340.7	3334.4	3336.0	3343.9	3356.5	3347.0	3309.1	3269.5	3207.8	3199.9	3089.1
10°	3307.5	3312.2	3331.2	3375.5	3407.2	3424.6	3392.9	3356.5	3293.2	3283.7	3133.4
12.5°	3097.0	3111.2	3171.4	3285.3	3405.6	3472.1	3470.5	3432.5	3356.5	3348.6	3168.2
15°	2778.9	2761.5	2872.3	3054.3	3272.7	3461.0	3522.7	3505.3	3429.3	3418.3	3209.4
17.5°	2622.2	2623.8	2672.9	2785.2	3025.8	3370.8	3551.2	3578.1	3506.9	3492.6	3255.3
20°	2685.5	2684.0	2688.7	2726.7	2842.2	3187.2	3552.8	3657.2	3582.8	3573.3	3296.4
22.5°	2866.0	2859.6	2845.4	2813.7	2816.9	3024.2	3530.6	3744.3	3679.4	3660.4	3324.9
25°	3117.6	3101.8	3055.9	2984.6	2908.7	2975.2	3473.6	3845.5	3790.2	3769.6	3355.0
27.5°	3404.0	3400.9	3351.8	3215.7	3071.7	3036.9	3408.8	3956.3	3921.5	3893.0	3388.2
30°	3699.9	3682.5	3636.6	3491.1	3309.1	3171.4	3389.8	4078.2	4060.8	4024.4	3415.1
32.5°	3861.4	3853.5	3823.4	3734.8	3576.5	3366.0	3445.2	4203.2	4260.2	4233.3	3473.6
35°	3989.6	3975.3	3943.7	3907.3	3826.6	3622.4	3573.3	4353.5	4557.7	4510.2	3598.7
37.5°	4111.4	4095.6	4073.4	4038.6	3986.4	3867.7	3760.1	4559.3	4934.3	4901.1	3788.6
40°	4247.5	4230.1	4201.6	4177.9	4105.1	4068.7	3935.7	4755.5	5337.9	5322.0	4016.5
42.5°	4350.4	4331.4	4317.1	4301.3	4222.2	4154.1	4073.4	4942.2	5882.3	5842.7	4318.7
45°	4426.3	4415.3	4415.3	4396.3	4344.0	4157.3	4170.0	5192.3	6467.8	6455.1	4736.5
47.5°	4508.6	4494.4	4502.3	4484.9	4469.1	4160.5	4288.7	5526.2	7172.0	7160.9	5203.4
50°	4606.7	4592.5	4624.1	4598.8	4605.2	4255.4	4458.0	5944.0	7868.3	7841.4	5700.3
52.5°	4619.4	4616.2	4695.4	4752.3	4798.2	4472.2	4744.4	6442.5	8629.5	8629.5	6279.5
55°	4363.0	4356.7	4510.2	4752.3	5010.3	4888.4	5276.1	7222.7	9471.4	9493.6	6795.4
57.5°	3543.3	3573.3	3832.9	4309.2	4999.2	5481.9	6062.7	8172.2	10658.3	10585.5	7301.8
60°	2253.5	2297.8	2505.1	3160.3	4252.3	5581.6	6909.3	9378.1	11862.6	11723.4	7971.2
62.5°	1489.2	1451.2	1454.3	1762.9	2736.2	4690.6	7075.5	10807.1	13315.4	13214.1	8566.2
65°	1324.6	1297.7	1163.2	1082.4	1329.3	2929.3	6016.8	11837.3	15182.8	14899.5	9022.0
67.5°	1256.5	1229.6	1104.6	979.6	837.2	1497.1	4276.0	11647.4	16486.8	16307.9	9359.1
70°	1137.8	1122.0	1020.7	924.2	699.5	723.2	2467.2	10224.7	16963.1	16877.7	9205.6
72.5°	989.1	970.1	902.0	835.6	614.0	533.3	1183.7	8105.7	15711.3	15705.0	8555.1
75°	810.3	794.4	739.0	716.9	519.1	436.8	672.6	5692.4	13089.1	13019.5	7604.0
77.5°	663.1	640.9	602.9	585.5	430.4	351.3	473.2	3973.7	9659.7	9477.8	5322.0
80°	481.1	466.8	430.4	471.6	340.2	272.2	351.3	2471.9	5676.5	5306.2	1994.0
82.5°	292.8	264.3	297.5	360.8	251.6	194.7	258.0	1378.4	2035.1	1788.3	595.0
85°	136.1	139.3	174.1	231.0	150.3	113.9	161.4	602.9	590.3	565.0	250.0
87.5°	22.2	23.7	66.5	101.3	63.3	38.0	64.9	132.9	223.1	229.5	107.6
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°	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1	2945.1
2.5°	2951.4	2926.1	2880.2	2829.6	2772.6	2720.4	2698.2	2625.4	2608.0	2603.3	2566.9
5°	2981.5	2926.1	2805.8	2663.4	2497.2	2346.9	2180.7	2047.8	1973.4	1967.1	1976.6
7.5°	3011.6	2924.5	2704.5	2416.5	2122.2	1831.0	1653.7	1549.3	1476.5	1459.1	1463.8
10°	3027.4	2902.4	2549.5	2106.3	1699.6	1487.6	1386.3	1349.9	1338.8	1329.3	1329.3
12.5°	3030.5	2853.3	2343.7	1772.4	1451.2	1348.3	1319.8	1310.3	1308.8	1307.2	1304.0
15°	3033.7	2791.6	2081.0	1514.5	1338.8	1305.6	1294.5	1292.9	1296.1	1294.5	1294.5
17.5°	3030.5	2707.7	1826.2	1365.7	1297.7	1285.0	1278.7	1277.1	1281.8	1280.3	1278.7
20°	3019.5	2600.1	1577.8	1289.8	1269.2	1266.0	1258.1	1251.8	1258.1	1259.7	1258.1
22.5°	2976.7	2441.8	1399.0	1242.3	1242.3	1242.3	1232.8	1224.9	1236.0	1239.1	1240.7
25°	2910.3	2251.9	1266.0	1202.7	1210.6	1207.5	1207.5	1205.9	1217.0	1220.1	1221.7
27.5°	2840.6	2054.1	1172.7	1160.0	1172.7	1180.6	1194.8	1196.4	1196.4	1193.2	1191.6
30°	2752.0	1838.9	1112.5	1122.0	1139.4	1167.9	1193.2	1190.1	1179.0	1167.9	1169.5
32.5°	2680.8	1664.8	1054.0	1088.8	1120.4	1161.6	1183.7	1188.5	1186.9	1167.9	1167.9
35°	2653.9	1525.6	1014.4	1060.3	1107.8	1145.8	1155.2	1175.8	1172.7	1148.9	1147.3
37.5°	2671.3	1413.2	979.6	1030.2	1088.8	1107.8	1128.3	1133.1	1093.5	1068.2	1061.9
40°	2709.3	1330.9	947.9	992.2	1057.1	1073.0	1101.4	1058.7	1025.5	1004.9	1008.1
42.5°	2815.3	1296.1	919.4	949.5	1009.7	1046.1	1035.0	1022.3	976.4	943.2	940.0
45°	2983.1	1294.5	894.1	905.2	955.8	993.8	992.2	978.0	928.9	894.1	889.4
47.5°	3212.5	1326.2	867.2	864.1	905.2	928.9	951.1	928.9	878.3	838.7	834.0
50°	3486.3	1408.4	841.9	821.3	849.8	886.2	897.3	881.5	834.0	796.0	791.3
52.5°	3815.5	1522.4	819.7	783.4	791.3	841.9	867.2	853.0	799.2	758.0	751.7
55°	4135.1	1630.0	789.7	743.8	731.1	800.8	840.3	838.7	759.6	716.9	713.7
57.5°	4462.7	1731.3	756.4	710.6	690.0	756.4	811.8	818.2	718.5	672.6	672.6
60°	4795.1	1802.5	715.3	675.7	664.7	707.4	769.1	770.7	682.1	647.3	650.4
62.5°	5067.3	1759.8	674.2	642.5	634.6	659.9	721.6	735.9	678.9	640.9	644.1
65°	5182.8	1617.3	628.3	610.9	598.2	607.7	664.7	682.1	621.9	579.2	584.0
67.5°	5108.4	1410.0	582.4	574.5	557.0	553.9	590.3	601.4	557.0	530.1	527.0
70°	4666.9	1125.2	527.0	527.0	511.2	496.9	515.9	525.4	490.6	474.8	477.9
72.5°	4038.6	914.7	473.2	479.5	457.4	438.4	449.4	454.2	433.6	425.7	422.5
75°	3494.2	764.4	419.4	428.9	405.1	375.1	387.7	387.7	370.3	368.7	367.1
77.5°	2547.9	574.5	360.8	371.9	352.9	314.9	318.1	319.7	313.3	313.3	314.9
80°	1090.4	351.3	294.4	311.8	292.8	246.9	256.4	256.4	272.2	311.8	305.4
82.5°	362.4	208.9	223.1	245.3	224.7	183.6	194.7	208.9	269.0	258.0	245.3
85°	155.1	115.5	142.4	155.1	144.0	110.8	126.6	218.4	199.4	193.1	194.7
87.5°	52.2	49.1	60.1	71.2	50.6	34.8	64.9	132.9	129.8	98.1	95.0
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)