

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: P1209257

Luminaire Tested: UPW-SA2-110-730-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209257
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-SA2-110-730-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1050mA 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: 12895 lumens
Efficiency: N/A
Efficacy: 114.1 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): 113
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

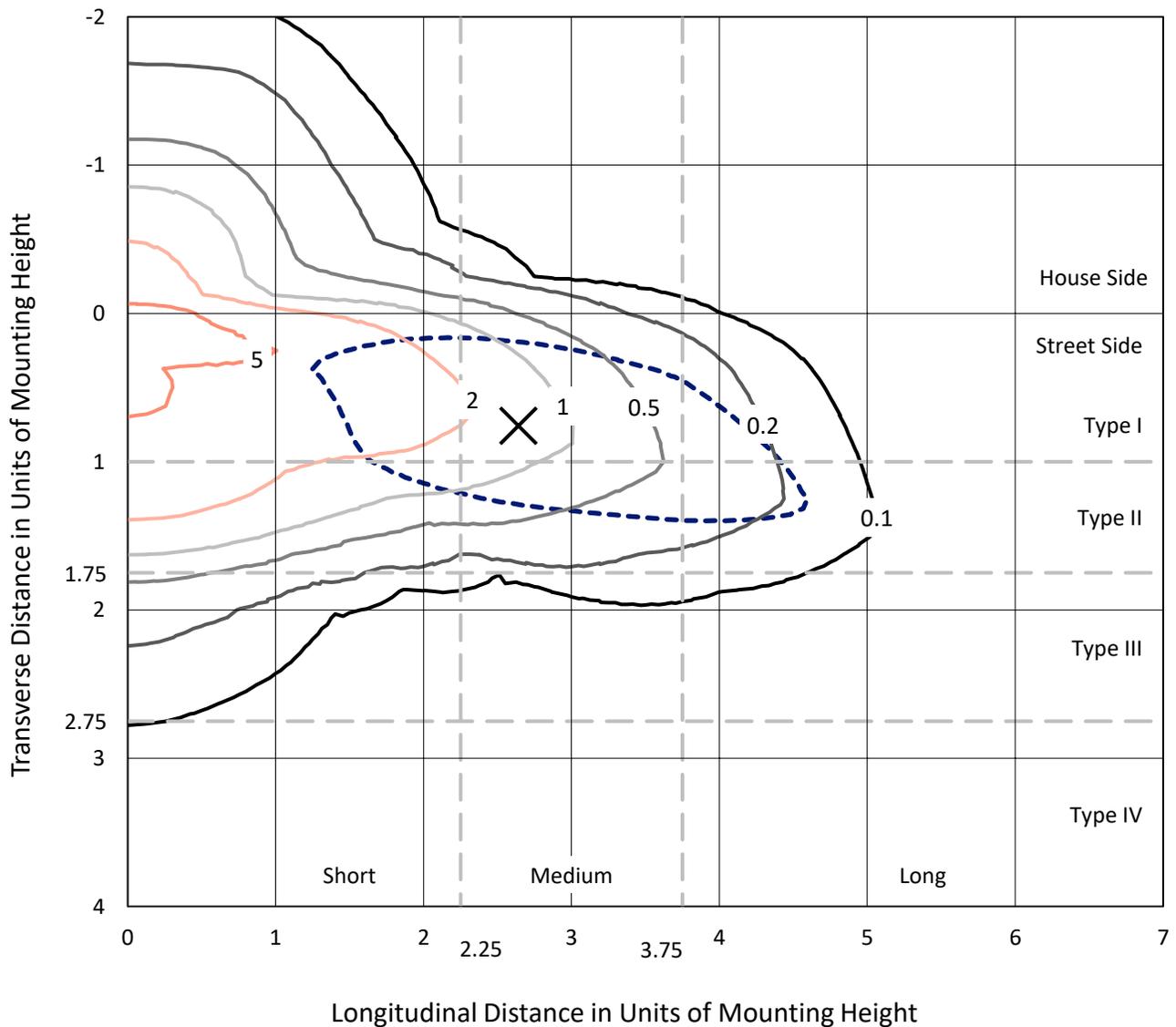


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Iso-Footcandle Lines of Horizontal Illumination

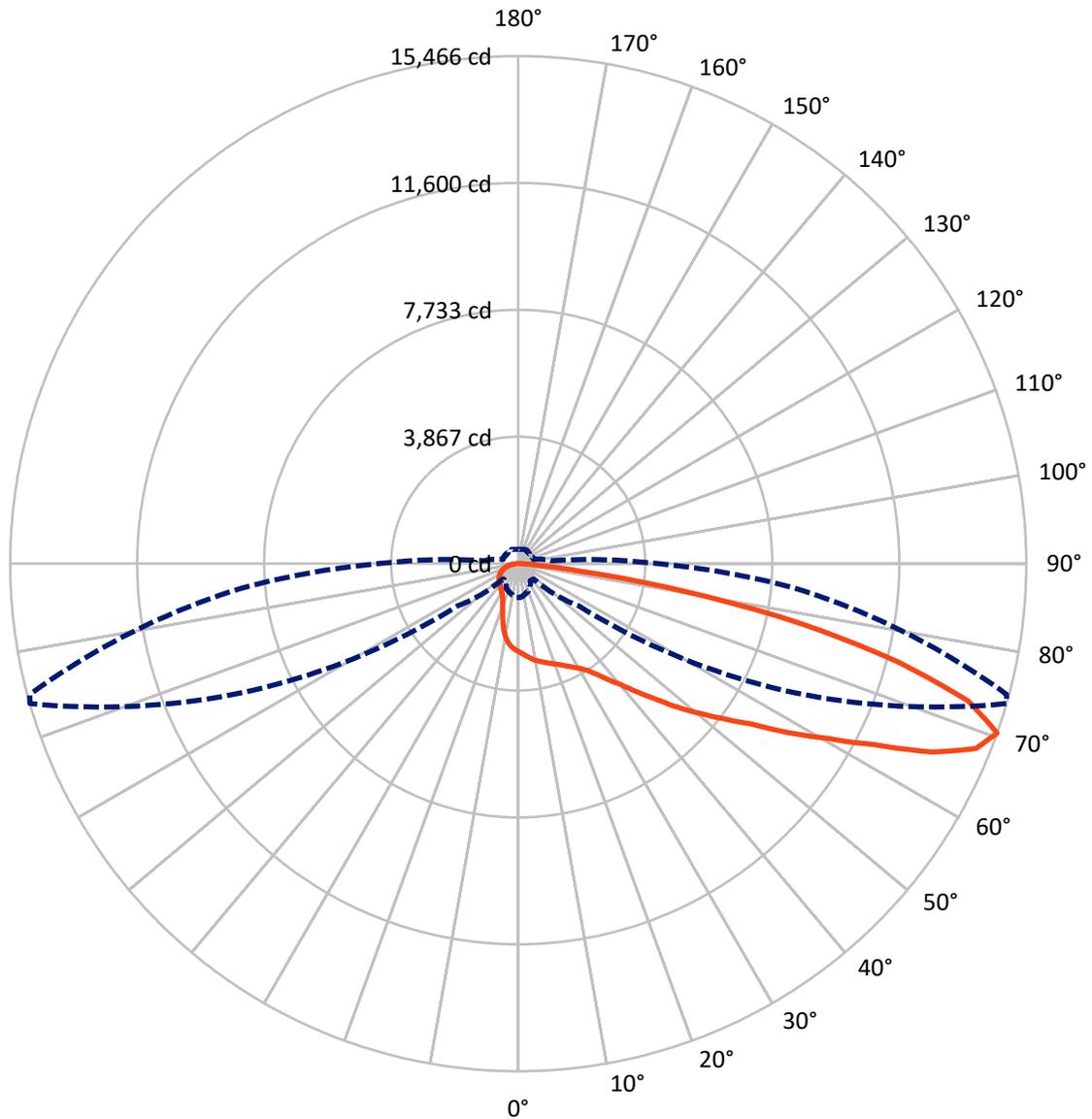
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	2360.3	0.0	2360.3
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	10534.7	0.0	10534.7
	% Fixture	81.7	0.0	81.7
Total	Lumens	12895.0	0.0	12895.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.8	1.8
10°-20°	620.4	4.8
20°-30°	982.4	7.6
30°-40°	1463.8	11.4
40°-50°	2018.5	15.7
50°-60°	2707.1	21.0
60°-70°	2809.4	21.8
70°-80°	1777.7	13.8
80°-90°	279.8	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°	12895.0	100.0
0°-180°	12895.0	100.0



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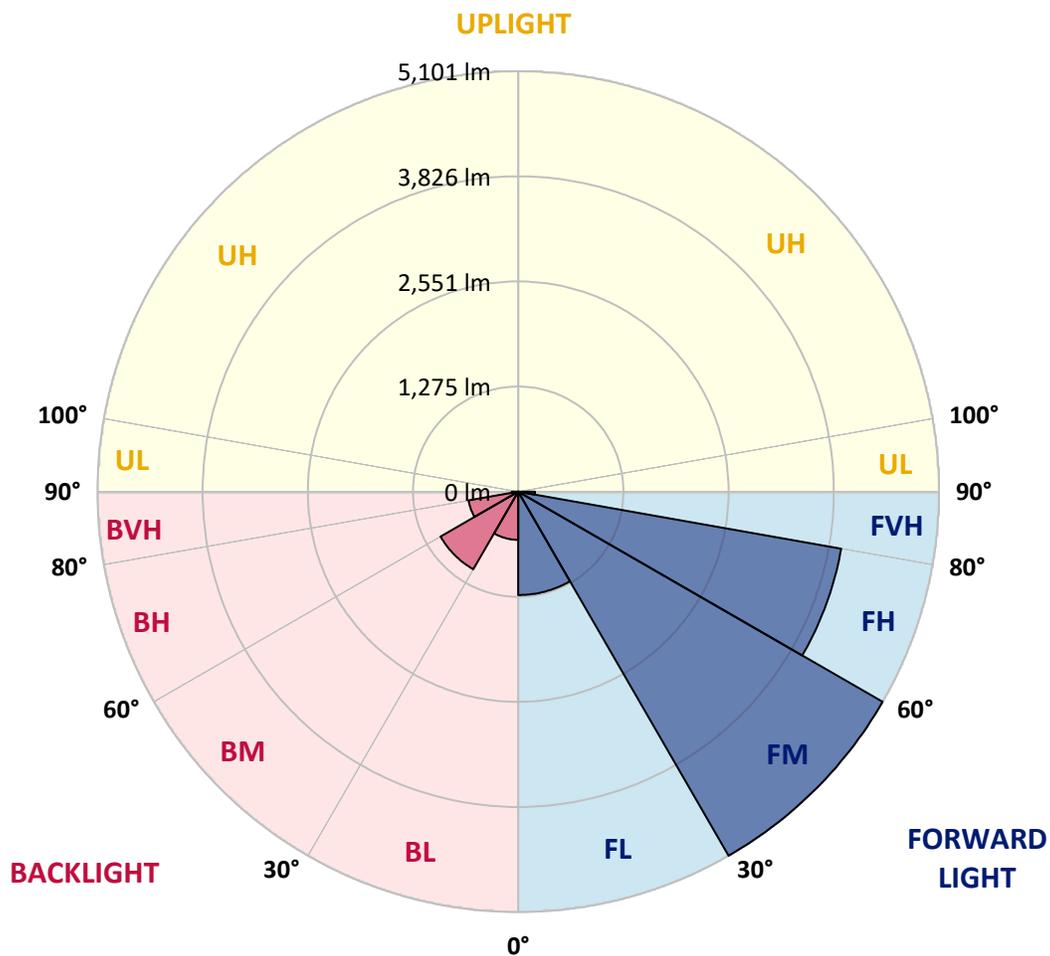
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1254.4	9.7			
FM (30°-60°)	5101.1	39.6			
FH (60°-80°)	3975.9	30.8			G2/5000
FVH (80°-90°)	203.4	1.6			G2/225
BL (0°-30°)	584.2	4.5	B2/1000		
BM (30°-60°)	1088.3	8.4	B2/2500		
BH (60°-80°)	611.3	4.7	B2/1000		G2/1000
BVH (80°-90°)	76.5	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°	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2
2.5°	2871.3	2867.0	2856.9	2856.9	2852.6	2842.5	2813.6	2783.3	2754.5	2751.6	2714.1
5°	2989.7	2982.4	2981.0	2981.0	2975.2	2965.1	2926.2	2884.3	2842.5	2833.8	2766.0
7.5°	3045.9	3040.2	3041.6	3048.8	3060.4	3051.7	3017.1	2981.0	2924.7	2917.5	2816.5
10°	3015.6	3020.0	3037.3	3077.7	3106.5	3122.4	3093.5	3060.4	3002.6	2994.0	2856.9
12.5°	2823.7	2836.7	2891.5	2995.4	3105.1	3165.7	3164.2	3129.6	3060.4	3053.1	2888.7
15°	2533.7	2517.8	2618.8	2784.8	2983.9	3155.6	3211.9	3196.0	3126.7	3116.6	2926.2
17.5°	2390.9	2392.3	2437.0	2539.5	2758.8	3073.3	3237.8	3262.4	3197.4	3184.4	2968.0
20°	2448.6	2447.1	2451.5	2486.1	2591.4	2906.0	3239.3	3334.5	3266.7	3258.0	3005.5
22.5°	2613.1	2607.3	2594.3	2565.4	2568.3	2757.3	3219.1	3413.9	3354.7	3337.4	3031.5
25°	2842.5	2828.1	2786.2	2721.3	2652.0	2712.6	3167.1	3506.2	3455.7	3436.9	3058.9
27.5°	3103.6	3100.8	3056.0	2931.9	2800.6	2768.9	3108.0	3607.2	3575.5	3549.5	3089.2
30°	3373.5	3357.6	3315.7	3183.0	3017.1	2891.5	3090.7	3718.3	3702.4	3669.3	3113.7
32.5°	3520.6	3513.4	3486.0	3405.2	3260.9	3069.0	3141.2	3832.3	3884.2	3859.7	3167.1
35°	3637.5	3624.5	3595.7	3562.5	3488.9	3302.8	3258.0	3969.4	4155.5	4112.2	3281.1
37.5°	3748.6	3734.2	3714.0	3682.2	3634.6	3526.4	3428.3	4156.9	4498.9	4468.6	3454.3
40°	3872.7	3856.8	3830.9	3809.2	3742.8	3709.7	3588.5	4335.9	4866.8	4852.4	3662.0
42.5°	3966.5	3949.2	3936.2	3921.8	3849.6	3787.6	3714.0	4506.1	5363.2	5327.1	3937.6
45°	4035.7	4025.6	4025.6	4008.3	3960.7	3790.5	3802.0	4734.1	5897.1	5885.5	4318.5
47.5°	4110.8	4097.8	4105.0	4089.1	4074.7	3793.3	3910.2	5038.5	6539.1	6529.0	4744.2
50°	4200.2	4187.2	4216.1	4193.0	4198.8	3879.9	4064.6	5419.5	7174.0	7149.5	5197.3
52.5°	4211.8	4208.9	4281.0	4333.0	4374.8	4077.6	4325.8	5874.0	7868.0	7868.0	5725.4
55°	3978.0	3972.3	4112.2	4333.0	4568.2	4457.1	4810.6	6585.3	8635.7	8655.9	6195.7
57.5°	3230.6	3258.0	3494.7	3929.0	4558.1	4998.1	5527.7	7451.0	9717.8	9651.4	6657.5
60°	2054.7	2095.1	2284.1	2881.4	3877.0	5089.0	6299.6	8550.5	10815.9	10688.9	7267.8
62.5°	1357.8	1323.1	1326.0	1607.4	2494.7	4276.7	6451.1	9853.4	12140.4	12048.1	7810.3
65°	1207.7	1183.2	1060.5	986.9	1212.0	2670.8	5485.8	10792.8	13843.0	13584.7	8225.9
67.5°	1145.6	1121.1	1007.1	893.1	763.3	1365.0	3898.7	10619.6	15032.0	14868.9	8533.2
70°	1037.4	1023.0	930.7	842.6	637.8	659.4	2249.5	9322.5	15466.3	15388.3	8393.3
72.5°	901.8	884.5	822.4	761.8	559.8	486.3	1079.3	7390.4	14324.9	14319.2	7800.2
75°	738.8	724.3	673.8	653.6	473.3	398.2	613.2	5190.1	11934.1	11870.6	6933.1
77.5°	604.6	584.4	549.7	533.9	392.5	320.3	431.4	3623.1	8807.4	8641.4	4852.4
80°	438.6	425.7	392.5	430.0	310.2	248.2	320.3	2253.8	5175.6	4838.0	1818.0
82.5°	266.9	241.0	271.3	329.0	229.4	177.5	235.2	1256.8	1855.5	1630.5	542.5
85°	124.1	127.0	158.7	210.7	137.1	103.9	147.2	549.7	538.2	515.1	228.0
87.5°	20.2	21.6	60.6	92.3	57.7	34.6	59.2	121.2	203.4	209.2	98.1
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°	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2	2685.2
2.5°	2691.0	2667.9	2626.0	2579.9	2527.9	2480.3	2460.1	2393.7	2377.9	2373.5	2340.4
5°	2718.4	2667.9	2558.2	2428.4	2276.9	2139.8	1988.3	1867.1	1799.3	1793.5	1802.2
7.5°	2745.8	2666.4	2465.9	2203.3	1934.9	1669.4	1507.8	1412.6	1346.2	1330.3	1334.7
10°	2760.2	2646.2	2324.5	1920.5	1549.7	1356.3	1264.0	1230.8	1220.7	1212.0	1212.0
12.5°	2763.1	2601.5	2136.9	1616.0	1323.1	1229.3	1203.4	1194.7	1193.3	1191.8	1188.9
15°	2766.0	2545.2	1897.4	1380.8	1220.7	1190.4	1180.3	1178.8	1181.7	1180.3	1180.3
17.5°	2763.1	2468.8	1665.1	1245.2	1183.2	1171.6	1165.8	1164.4	1168.7	1167.3	1165.8
20°	2753.0	2370.7	1438.6	1175.9	1157.2	1154.3	1147.1	1141.3	1147.1	1148.5	1147.1
22.5°	2714.1	2226.4	1275.5	1132.7	1132.7	1132.7	1124.0	1116.8	1126.9	1129.8	1131.2
25°	2653.5	2053.2	1154.3	1096.6	1103.8	1100.9	1100.9	1099.5	1109.6	1112.5	1113.9
27.5°	2590.0	1872.9	1069.2	1057.6	1069.2	1076.4	1089.4	1090.8	1090.8	1087.9	1086.5
30°	2509.2	1676.6	1014.3	1023.0	1038.9	1064.8	1087.9	1085.0	1074.9	1064.8	1066.3
32.5°	2444.2	1517.9	961.0	992.7	1021.6	1059.1	1079.3	1083.6	1082.2	1064.8	1064.8
35°	2419.7	1390.9	924.9	966.7	1010.0	1044.6	1053.3	1072.1	1069.2	1047.5	1046.1
37.5°	2435.6	1288.5	893.1	939.3	992.7	1010.0	1028.8	1033.1	997.0	973.9	968.2
40°	2470.2	1213.5	864.3	904.7	963.8	978.3	1004.2	965.3	935.0	916.2	919.1
42.5°	2566.9	1181.7	838.3	865.7	920.6	953.7	943.6	932.1	890.3	860.0	857.1
45°	2719.8	1180.3	815.2	825.3	871.5	906.1	904.7	891.7	847.0	815.2	810.9
47.5°	2929.1	1209.1	790.7	787.8	825.3	847.0	867.2	847.0	800.8	764.7	760.4
50°	3178.7	1284.2	767.6	748.9	774.8	808.0	818.1	803.7	760.4	725.8	721.4
52.5°	3478.8	1388.1	747.4	714.2	721.4	767.6	790.7	777.7	728.7	691.1	685.4
55°	3770.3	1486.2	720.0	678.2	666.6	730.1	766.2	764.7	692.6	653.6	650.7
57.5°	4068.9	1578.5	689.7	647.9	629.1	689.7	740.2	746.0	655.1	613.2	613.2
60°	4371.9	1643.4	652.2	616.1	606.0	645.0	701.2	702.7	621.9	590.1	593.0
62.5°	4620.1	1604.5	614.7	585.8	578.6	601.7	658.0	670.9	619.0	584.4	587.3
65°	4725.4	1474.6	572.8	557.0	545.4	554.1	606.0	621.9	567.1	528.1	532.4
67.5°	4657.6	1285.6	531.0	523.8	507.9	505.0	538.2	548.3	507.9	483.4	480.5
70°	4255.1	1025.9	480.5	480.5	466.1	453.1	470.4	479.0	447.3	432.9	435.8
72.5°	3682.2	834.0	431.4	437.2	417.0	399.7	409.8	414.1	395.3	388.1	385.2
75°	3185.9	696.9	382.4	391.0	369.4	342.0	353.5	353.5	337.6	336.2	334.7
77.5°	2323.0	523.8	329.0	339.1	321.8	287.1	290.0	291.5	285.7	285.7	287.1
80°	994.1	320.3	268.4	284.2	266.9	225.1	233.7	233.7	248.2	284.2	278.5
82.5°	330.4	190.5	203.4	223.6	204.9	167.4	177.5	190.5	245.3	235.2	223.6
85°	141.4	105.3	129.9	141.4	131.3	101.0	115.4	199.1	181.8	176.0	177.5
87.5°	47.6	44.7	54.8	64.9	46.2	31.7	59.2	121.2	118.3	89.5	86.6
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)