

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: P1209340

Luminaire Tested: UPW-SA2-110-750-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-750-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14007 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

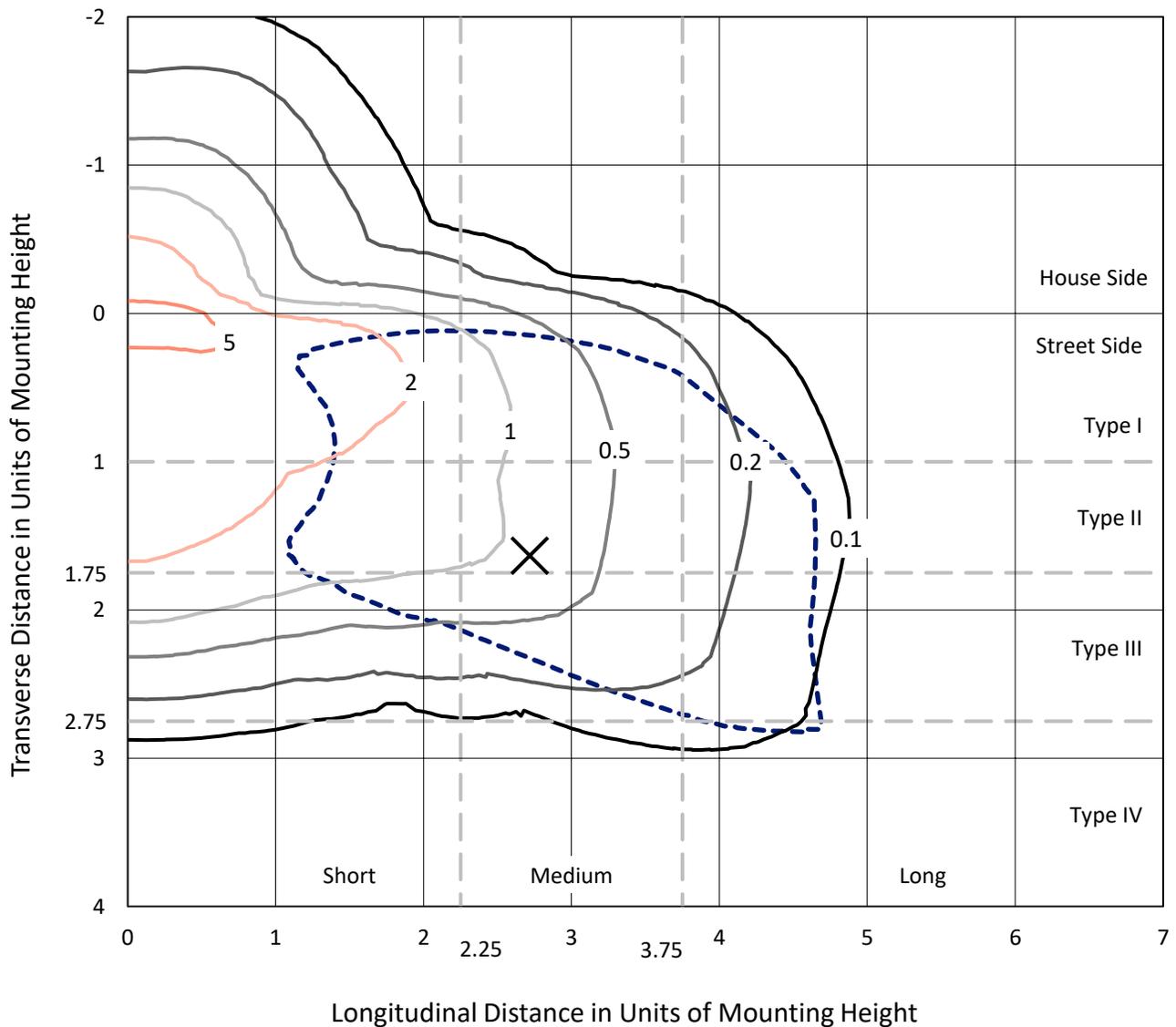


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

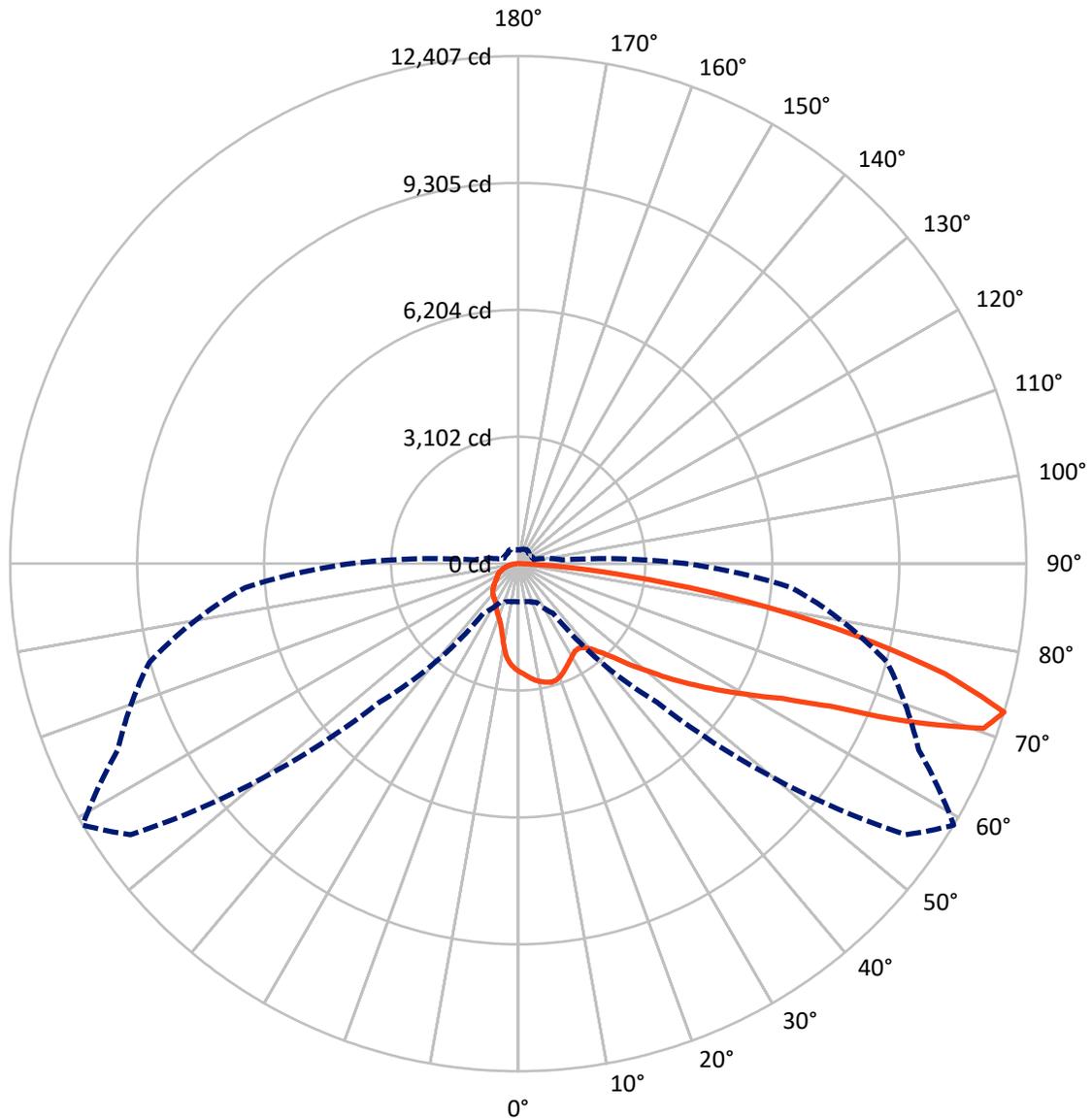


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2383.4	0.0	2383.4
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	11623.6	0.0	11623.6
	% Fixture	83.0	0.0	83.0
Total	Lumens	14007.0	0.0	14007.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	1.7
10°-20°	605.1	4.3
20°-30°	889.8	6.4
30°-40°	1222.6	8.7
40°-50°	1826.2	13.0
50°-60°	2783.1	19.9
60°-70°	3567.1	25.5
70°-80°	2465.9	17.6
80°-90°	410.3	2.9
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°	14007.0	100.0
0°-180°	14007.0	100.0



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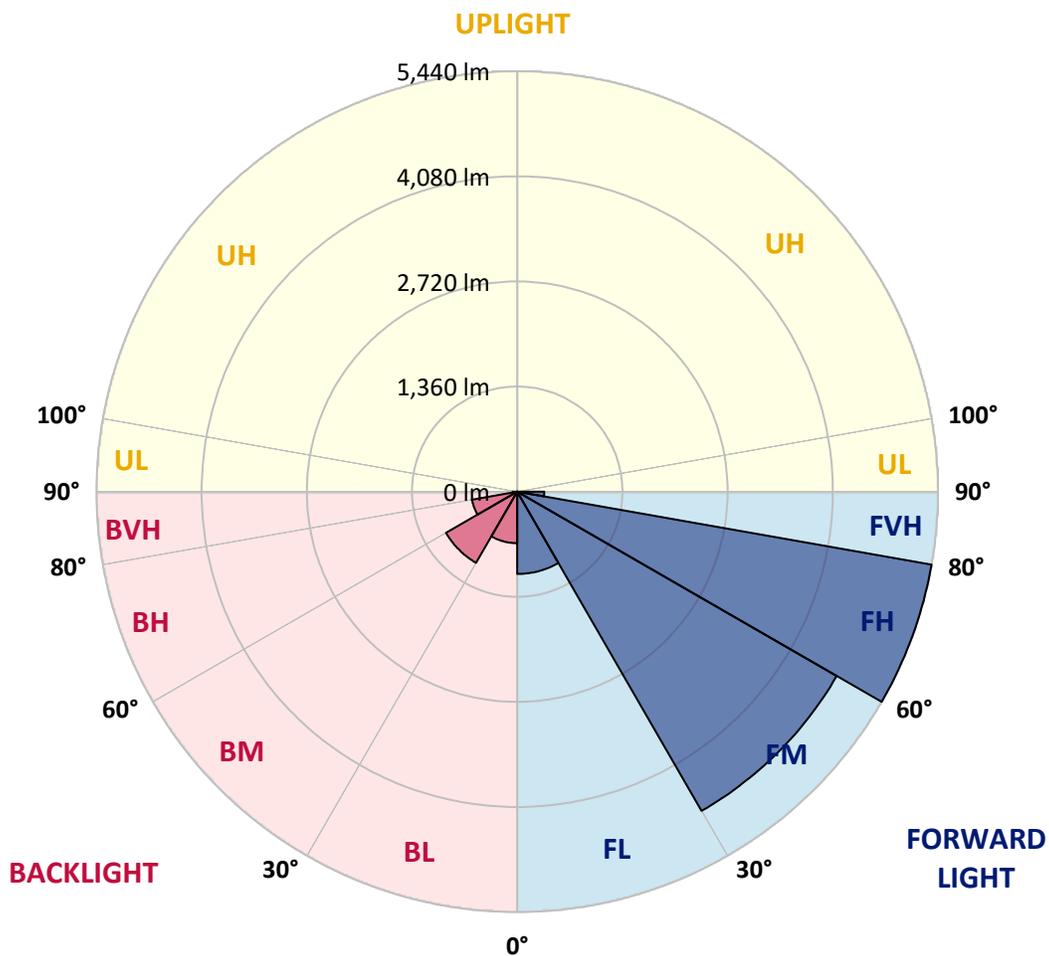
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.0	7.6			
FM (30°-60°)	4768.8	34.0			
FH (60°-80°)	5439.8	38.8			G3/7500
FVH (80°-90°)	349.9	2.5			G3/500
BL (0°-30°)	666.9	4.8	B2/1000		
BM (30°-60°)	1063.0	7.6	B2/2500		
BH (60°-80°)	593.1	4.2	B2/1000		G2/1000
BVH (80°-90°)	60.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2
2.5°	2749.8	2742.1	2745.9	2751.8	2736.2	2738.2	2718.8	2703.2	2691.6	2683.8	2666.3
5°	2817.8	2798.4	2806.1	2823.6	2806.1	2821.7	2800.3	2788.7	2769.2	2757.6	2718.8
7.5°	2761.5	2747.9	2767.3	2812.0	2833.3	2874.1	2878.0	2870.2	2862.5	2837.2	2788.7
10°	2501.3	2493.5	2544.0	2662.4	2761.5	2860.5	2926.5	2926.5	2930.4	2912.9	2854.7
12.5°	2171.1	2165.3	2231.3	2377.0	2571.2	2798.4	2955.7	2973.1	3004.2	2998.4	2924.6
15°	1951.7	1947.8	2000.2	2116.7	2316.8	2639.1	2951.8	3010.0	3074.1	3087.7	2996.5
17.5°	1839.0	1839.0	1875.9	1965.3	2103.1	2417.7	2866.3	2994.5	3124.6	3188.7	3078.0
20°	1808.0	1804.1	1825.4	1879.8	1975.0	2219.7	2738.2	2940.1	3163.5	3270.3	3130.4
22.5°	1823.5	1819.6	1827.4	1854.6	1909.0	2087.6	2600.3	2858.6	3184.8	3342.1	3177.1
25°	1899.2	1895.4	1885.6	1883.7	1895.4	2025.5	2460.5	2767.3	3206.2	3445.0	3233.4
27.5°	2046.8	2035.2	2002.2	1971.1	1940.0	2011.9	2371.1	2685.7	3233.4	3530.5	3268.3
30°	2237.1	2233.3	2192.5	2134.2	2031.3	2042.9	2314.8	2610.0	3233.4	3596.5	3266.4
32.5°	2377.0	2378.9	2371.1	2336.2	2190.5	2112.9	2293.5	2547.9	3227.5	3687.8	3274.2
35°	2524.6	2524.6	2505.1	2505.1	2410.0	2248.8	2324.5	2542.0	3260.6	3839.3	3330.5
37.5°	2775.1	2771.2	2730.4	2689.6	2619.7	2468.2	2415.8	2598.3	3351.8	4082.0	3406.2
40°	3105.2	3113.0	3029.5	2916.8	2835.3	2722.6	2586.7	2742.1	3493.6	4371.4	3503.3
42.5°	3503.3	3524.7	3394.6	3239.2	3097.4	2949.8	2825.6	2971.2	3744.1	4783.1	3670.3
45°	3992.7	3971.3	3808.2	3600.4	3414.0	3163.5	3087.7	3268.3	4070.4	5340.4	3926.7
47.5°	4418.0	4429.6	4229.6	4002.4	3771.3	3423.7	3419.8	3703.3	4501.5	5911.3	4221.8
50°	4831.6	4866.6	4645.2	4406.3	4159.7	3715.0	3839.3	4134.4	4963.7	6493.9	4586.9
52.5°	5155.9	5179.2	4973.4	4767.5	4522.8	4099.5	4334.5	4687.9	5431.7	7051.3	5006.4
55°	5412.3	5445.3	5214.2	5043.3	4856.9	4519.0	4901.5	5233.6	5917.2	7569.8	5435.6
57.5°	5759.9	5779.3	5488.0	5338.5	5163.7	4996.7	5524.9	5847.3	6437.6	8010.6	5880.3
60°	6025.9	6037.6	5736.6	5690.0	5686.1	5655.0	6218.2	6505.6	6927.0	8422.3	6334.7
62.5°	5794.8	5794.8	5587.0	5717.1	6189.0	6736.7	7179.4	7264.9	7431.9	8822.3	6771.6
65°	4590.8	4637.4	4660.7	5097.7	6152.1	7843.6	8773.8	8397.1	8063.0	9189.4	7129.0
67.5°	2410.0	2503.2	2718.8	3472.2	5072.4	8247.5	10816.7	10317.7	8958.3	9436.0	7268.8
70°	1227.3	1254.5	1367.1	1788.5	3192.6	7185.3	12030.5	12059.6	10026.4	9542.8	7167.8
72.5°	932.1	932.1	957.4	1040.9	1475.9	4792.8	11554.7	12407.2	10791.5	9327.3	6692.0
75°	776.8	786.5	837.0	848.6	745.7	2487.7	9371.9	10764.3	9977.8	8536.9	5845.3
77.5°	623.4	629.2	708.8	755.4	503.0	1064.2	6833.8	8400.9	7694.1	6899.8	4117.0
80°	470.0	479.7	551.5	646.7	372.9	510.7	4604.4	5746.3	4814.1	4229.6	1901.2
82.5°	314.6	318.5	376.7	510.7	275.8	283.5	2712.9	3219.8	2340.1	1584.6	499.1
85°	192.3	196.1	235.0	330.1	182.5	151.5	1204.0	1244.8	739.9	376.7	178.7
87.5°	87.4	97.1	122.3	159.2	91.3	62.1	202.0	198.1	145.6	135.9	75.7
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°	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2	2637.2
2.5°	2641.1	2619.7	2598.3	2569.2	2544.0	2501.3	2472.1	2443.0	2427.5	2423.6	2417.7
5°	2687.7	2650.8	2588.6	2507.1	2417.7	2316.8	2221.6	2138.1	2081.8	2064.3	2072.1
7.5°	2742.1	2689.6	2567.3	2410.0	2229.4	2031.3	1864.3	1755.5	1687.6	1648.7	1656.5
10°	2790.6	2714.9	2520.7	2256.6	1947.8	1699.2	1567.2	1491.4	1456.5	1452.6	1450.6
12.5°	2839.2	2740.1	2448.8	2037.1	1695.3	1499.2	1433.2	1411.8	1407.9	1411.8	1409.9
15°	2895.5	2753.7	2326.5	1809.9	1516.7	1415.7	1394.3	1388.5	1390.4	1400.2	1398.2
17.5°	2942.1	2747.9	2136.2	1604.1	1421.5	1374.9	1355.5	1345.8	1355.5	1373.0	1373.0
20°	2957.6	2691.6	1916.7	1460.4	1369.1	1330.2	1303.1	1287.5	1299.2	1320.5	1324.4
22.5°	2946.0	2584.8	1691.5	1359.4	1314.7	1277.8	1248.7	1233.1	1239.0	1254.5	1256.5
25°	2928.5	2444.9	1493.4	1281.7	1244.8	1215.7	1207.9	1188.5	1178.8	1188.5	1190.4
27.5°	2876.0	2260.4	1330.2	1202.1	1167.1	1171.0	1167.1	1149.6	1136.0	1134.1	1138.0
30°	2759.5	2004.1	1207.9	1120.5	1108.9	1130.2	1130.2	1105.0	1079.7	1075.8	1081.7
32.5°	2619.7	1741.9	1106.9	1052.5	1075.8	1087.5	1087.5	1066.1	1040.9	1025.4	1033.1
35°	2481.8	1493.4	1029.2	1005.9	1050.6	1060.3	1050.6	1042.8	1002.1	963.2	972.9
37.5°	2322.6	1279.8	961.3	971.0	1021.5	1025.4	1025.4	998.2	943.8	910.8	918.5
40°	2149.8	1118.6	905.0	939.9	990.4	990.4	974.9	957.4	930.2	897.2	901.1
42.5°	2039.1	1009.8	862.2	906.9	941.9	953.5	918.5	932.1	908.8	873.9	877.8
45°	2023.5	941.9	827.3	856.4	887.5	883.6	885.5	895.2	873.9	827.3	825.3
47.5°	2118.7	920.5	794.3	800.1	827.3	840.9	852.5	856.4	825.3	774.8	767.1
50°	2330.4	957.4	761.3	749.6	772.9	804.0	815.6	821.5	784.6	732.1	724.4
52.5°	2656.6	1072.0	732.1	706.9	704.9	759.3	792.3	807.9	749.6	693.3	689.4
55°	3017.8	1227.3	693.3	670.0	648.6	724.4	772.9	790.4	716.6	642.8	637.0
57.5°	3402.3	1411.8	648.6	633.1	607.8	691.3	737.9	751.5	666.1	582.6	578.7
60°	3804.3	1576.9	605.9	592.3	578.7	646.7	695.2	699.1	619.5	536.0	532.1
62.5°	4167.5	1689.5	565.1	549.6	549.6	594.2	644.7	640.8	570.9	493.3	489.4
65°	4435.4	1675.9	528.2	508.8	516.6	537.9	582.6	569.0	518.5	452.5	448.6
67.5°	4544.2	1532.2	493.3	471.9	473.8	479.7	516.6	506.9	466.1	411.7	409.8
70°	4431.6	1273.9	448.6	421.4	417.5	419.5	456.4	438.9	409.8	374.8	372.9
72.5°	4095.6	1068.1	398.1	374.8	367.0	361.2	392.3	384.5	363.1	334.0	336.0
75°	3590.7	922.4	343.7	328.2	314.6	308.8	334.0	330.1	314.6	295.2	295.2
77.5°	2509.0	673.9	283.5	277.7	269.9	258.3	277.7	279.6	269.9	264.1	262.2
80°	1087.5	376.7	223.3	227.2	217.5	209.7	225.3	227.2	235.0	227.2	229.2
82.5°	314.6	186.4	161.2	172.8	169.0	161.2	169.0	186.4	174.8	153.4	157.3
85°	116.5	89.3	101.0	108.8	102.9	81.6	106.8	122.3	110.7	102.9	104.9
87.5°	44.7	33.0	42.7	36.9	29.1	21.4	36.9	40.8	54.4	21.4	17.5
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)