

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: P1209014

Luminaire Tested: UPW-SA2-090-730-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209014
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-SA2-090-730-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 800mA 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: 10416 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 86
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

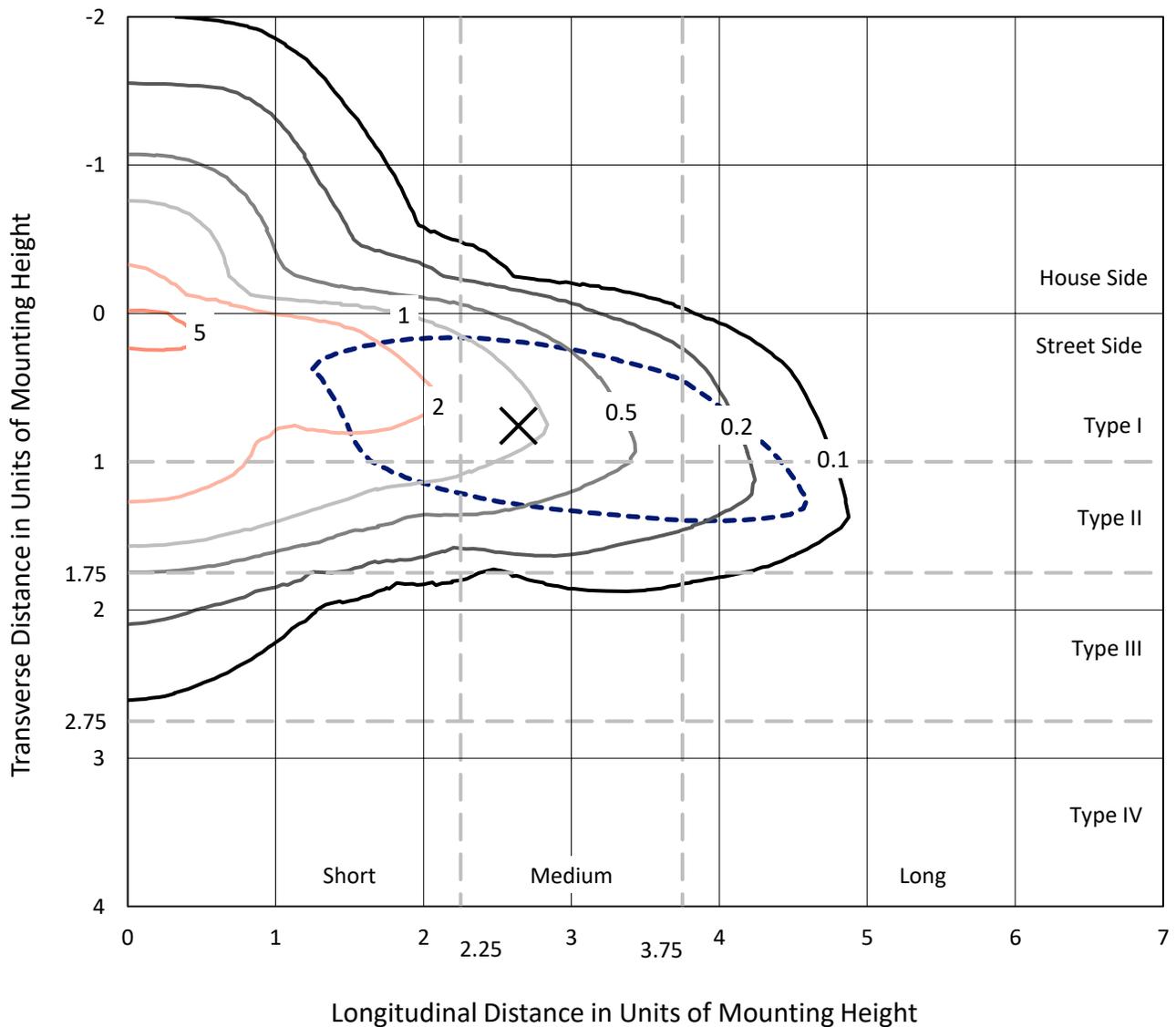


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

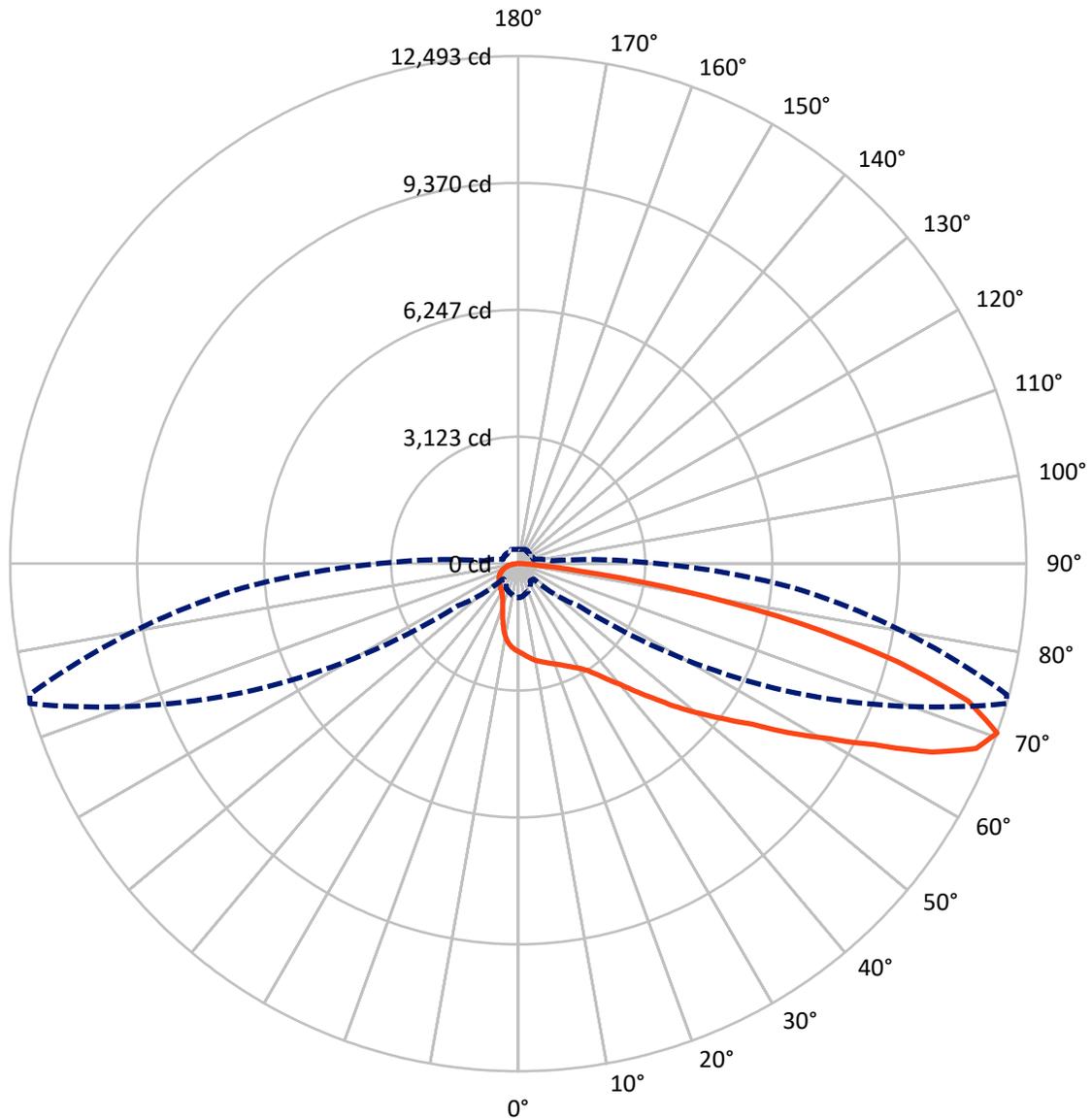


Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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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	1906.5	0.0	1906.5
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	8509.5	0.0	8509.5
	% Fixture	81.7	0.0	81.7
Total	Lumens	10416.0	0.0	10416.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.5	1.8
10°-20°	501.1	4.8
20°-30°	793.5	7.6
30°-40°	1182.4	11.4
40°-50°	1630.5	15.7
50°-60°	2186.7	21.0
60°-70°	2269.3	21.8
70°-80°	1436.0	13.8
80°-90°	226.0	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°	10416.0	100.0
0°-180°	10416.0	100.0



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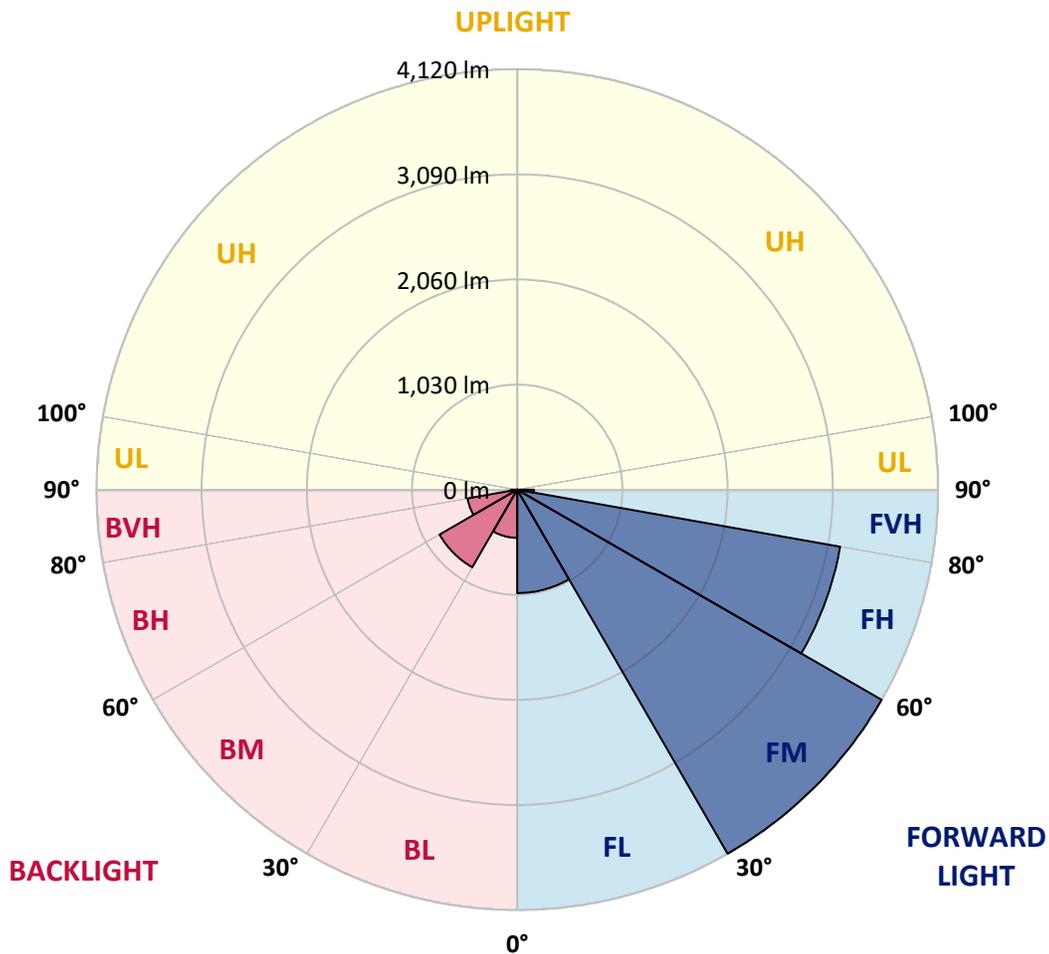
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1013.3	9.7			
FM (30°-60°)	4120.4	39.6			
FH (60°-80°)	3211.5	30.8			G2/5000
FVH (80°-90°)	164.3	1.6			G2/225
BL (0°-30°)	471.9	4.5	B1/500		
BM (30°-60°)	879.1	8.4	B1/1000		
BH (60°-80°)	493.8	4.7	B1/500		G1/500
BVH (80°-90°)	61.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0
2.5°	2319.3	2315.8	2307.7	2307.7	2304.2	2296.0	2272.7	2248.2	2224.9	2222.6	2192.3
5°	2414.9	2409.1	2407.9	2407.9	2403.3	2395.1	2363.6	2329.8	2296.0	2289.0	2234.3
7.5°	2460.4	2455.7	2456.9	2462.7	2472.0	2465.0	2437.1	2407.9	2362.5	2356.6	2275.0
10°	2435.9	2439.4	2453.4	2486.0	2509.3	2522.1	2498.8	2472.0	2425.4	2418.4	2307.7
12.5°	2280.9	2291.4	2335.7	2419.6	2508.1	2557.1	2555.9	2528.0	2472.0	2466.2	2333.3
15°	2046.6	2033.8	2115.4	2249.4	2410.2	2548.9	2594.4	2581.6	2525.6	2517.5	2363.6
17.5°	1931.2	1932.4	1968.5	2051.3	2228.4	2482.5	2615.4	2635.2	2582.7	2572.2	2397.4
20°	1977.8	1976.7	1980.2	2008.1	2093.2	2347.3	2616.5	2693.5	2638.7	2631.7	2427.7
22.5°	2110.7	2106.1	2095.6	2072.3	2074.6	2227.3	2600.2	2757.6	2709.8	2695.8	2448.7
25°	2296.0	2284.4	2250.6	2198.1	2142.2	2191.1	2558.3	2832.2	2791.4	2776.2	2470.9
27.5°	2507.0	2504.7	2468.5	2368.3	2262.2	2236.6	2510.5	2913.7	2888.1	2867.1	2495.3
30°	2724.9	2712.1	2678.3	2571.1	2437.1	2335.7	2496.5	3003.5	2990.7	2963.9	2515.1
32.5°	2843.8	2838.0	2815.8	2750.6	2634.0	2479.0	2537.3	3095.6	3137.5	3117.7	2558.3
35°	2938.2	2927.7	2904.4	2877.6	2818.2	2667.8	2631.7	3206.3	3356.6	3321.7	2650.3
37.5°	3028.0	3016.3	3000.0	2974.3	2935.9	2848.5	2769.2	3357.8	3634.0	3609.5	2790.2
40°	3128.2	3115.4	3094.4	3076.9	3023.3	2996.5	2898.6	3502.3	3931.2	3919.6	2958.0
42.5°	3203.9	3190.0	3179.5	3167.8	3109.5	3059.4	3000.0	3639.8	4332.1	4303.0	3180.6
45°	3259.9	3251.7	3251.7	3237.7	3199.3	3061.8	3071.1	3824.0	4763.4	4754.1	3488.3
47.5°	3320.5	3310.0	3315.8	3303.0	3291.4	3064.1	3158.5	4069.9	5282.0	5273.9	3832.2
50°	3392.8	3382.3	3405.6	3386.9	3391.6	3134.0	3283.2	4377.6	5794.8	5775.0	4198.1
52.5°	3402.1	3399.8	3458.0	3500.0	3533.8	3293.7	3494.2	4744.7	6355.4	6355.4	4624.7
55°	3213.3	3208.6	3321.7	3500.0	3690.0	3600.2	3885.8	5319.3	6975.5	6991.8	5004.6
57.5°	2609.5	2631.7	2822.8	3173.6	3681.8	4037.3	4465.0	6018.6	7849.6	7796.0	5377.6
60°	1659.7	1692.3	1845.0	2327.5	3131.7	4110.7	5088.6	6906.7	8736.6	8634.0	5870.6
62.5°	1096.7	1068.8	1071.1	1298.4	2015.1	3454.5	5210.9	7959.2	9806.5	9731.9	6308.8
65°	975.5	955.7	856.6	797.2	979.0	2157.3	4431.2	8717.9	11181.8	10973.1	6644.5
67.5°	925.4	905.6	813.5	721.4	616.5	1102.6	3149.2	8578.1	12142.1	12010.4	6892.7
70°	838.0	826.3	751.7	680.6	515.1	532.6	1817.0	7530.3	12493.0	12430.0	6779.7
72.5°	728.4	714.4	664.3	615.4	452.2	392.8	871.8	5969.7	11571.0	11566.4	6300.7
75°	596.7	585.1	544.3	528.0	382.3	321.7	495.3	4192.3	9639.8	9588.5	5600.2
77.5°	488.3	472.0	444.1	431.2	317.0	258.7	348.5	2926.6	7114.2	6980.2	3919.6
80°	354.3	343.8	317.0	347.3	250.6	200.5	258.7	1820.5	4180.6	3907.9	1468.5
82.5°	215.6	194.6	219.1	265.7	185.3	143.4	190.0	1015.1	1498.8	1317.0	438.2
85°	100.2	102.6	128.2	170.2	110.7	83.9	118.9	444.1	434.7	416.1	184.1
87.5°	16.3	17.5	49.0	74.6	46.6	28.0	47.8	97.9	164.3	169.0	79.3
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°	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0	2169.0
2.5°	2173.6	2155.0	2121.2	2083.9	2041.9	2003.5	1987.2	1933.6	1920.7	1917.2	1890.4
5°	2195.8	2155.0	2066.4	1961.5	1839.2	1728.4	1606.1	1508.2	1453.4	1448.7	1455.7
7.5°	2217.9	2153.8	1991.8	1779.7	1562.9	1348.5	1217.9	1141.0	1087.4	1074.6	1078.1
10°	2229.6	2137.5	1877.6	1551.3	1251.7	1095.6	1021.0	994.2	986.0	979.0	979.0
12.5°	2231.9	2101.4	1726.1	1305.4	1068.8	993.0	972.0	965.0	963.9	962.7	960.4
15°	2234.3	2055.9	1532.6	1115.4	986.0	961.5	953.4	952.2	954.5	953.4	953.4
17.5°	2231.9	1994.2	1345.0	1005.8	955.7	946.4	941.7	940.6	944.1	942.9	941.7
20°	2223.8	1914.9	1162.0	949.9	934.7	932.4	926.6	921.9	926.6	927.7	926.6
22.5°	2192.3	1798.4	1030.3	914.9	914.9	914.9	907.9	902.1	910.3	912.6	913.7
25°	2143.3	1658.5	932.4	885.8	891.6	889.3	889.3	888.1	896.3	898.6	899.8
27.5°	2092.1	1512.8	863.6	854.3	863.6	869.5	879.9	881.1	881.1	878.8	877.6
30°	2026.8	1354.3	819.3	826.3	839.2	860.1	878.8	876.5	868.3	860.1	861.3
32.5°	1974.4	1226.1	776.2	801.9	825.2	855.5	871.8	875.3	874.1	860.1	860.1
35°	1954.5	1123.5	747.1	780.9	815.8	843.8	850.8	866.0	863.6	846.2	845.0
37.5°	1967.4	1040.8	721.4	758.7	801.9	815.8	831.0	834.5	805.4	786.7	782.0
40°	1995.3	980.2	698.1	730.8	778.6	790.2	811.2	779.7	755.2	740.1	742.4
42.5°	2073.4	954.5	677.2	699.3	743.6	770.4	762.2	752.9	719.1	694.6	692.3
45°	2197.0	953.4	658.5	666.7	704.0	731.9	730.8	720.3	684.1	658.5	655.0
47.5°	2366.0	976.7	638.7	636.4	666.7	684.1	700.5	684.1	646.9	617.7	614.2
50°	2567.6	1037.3	620.0	604.9	625.9	652.7	660.8	649.2	614.2	586.2	582.7
52.5°	2810.0	1121.2	603.7	576.9	582.7	620.0	638.7	628.2	588.6	558.3	553.6
55°	3045.4	1200.5	581.6	547.8	538.5	589.7	618.9	617.7	559.4	528.0	525.6
57.5°	3286.7	1275.1	557.1	523.3	508.2	557.1	597.9	602.6	529.1	495.3	495.3
60°	3531.5	1327.5	526.8	497.7	489.5	521.0	566.4	567.6	502.3	476.7	479.0
62.5°	3731.9	1296.0	496.5	473.2	467.4	486.0	531.5	542.0	500.0	472.0	474.4
65°	3817.0	1191.1	462.7	449.9	440.6	447.6	489.5	502.3	458.0	426.6	430.1
67.5°	3762.2	1038.5	428.9	423.1	410.3	407.9	434.7	442.9	410.3	390.4	388.1
70°	3437.0	828.7	388.1	388.1	376.5	366.0	380.0	386.9	361.3	349.6	352.0
72.5°	2974.3	673.7	348.5	353.1	336.8	322.8	331.0	334.5	319.3	313.5	311.2
75°	2573.4	562.9	308.9	315.8	298.4	276.2	285.5	285.5	272.7	271.6	270.4
77.5°	1876.4	423.1	265.7	273.9	259.9	231.9	234.3	235.4	230.8	230.8	231.9
80°	803.0	258.7	216.8	229.6	215.6	181.8	188.8	188.8	200.5	229.6	224.9
82.5°	266.9	153.8	164.3	180.7	165.5	135.2	143.4	153.8	198.1	190.0	180.7
85°	114.2	85.1	104.9	114.2	106.1	81.6	93.2	160.8	146.9	142.2	143.4
87.5°	38.5	36.1	44.3	52.4	37.3	25.6	47.8	97.9	95.6	72.3	69.9
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)