

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: P1209232

Luminaire Tested: UPW-SA2-110-727-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-727-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 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: 11715 lumens
Efficiency: N/A
Efficacy: 103.7 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

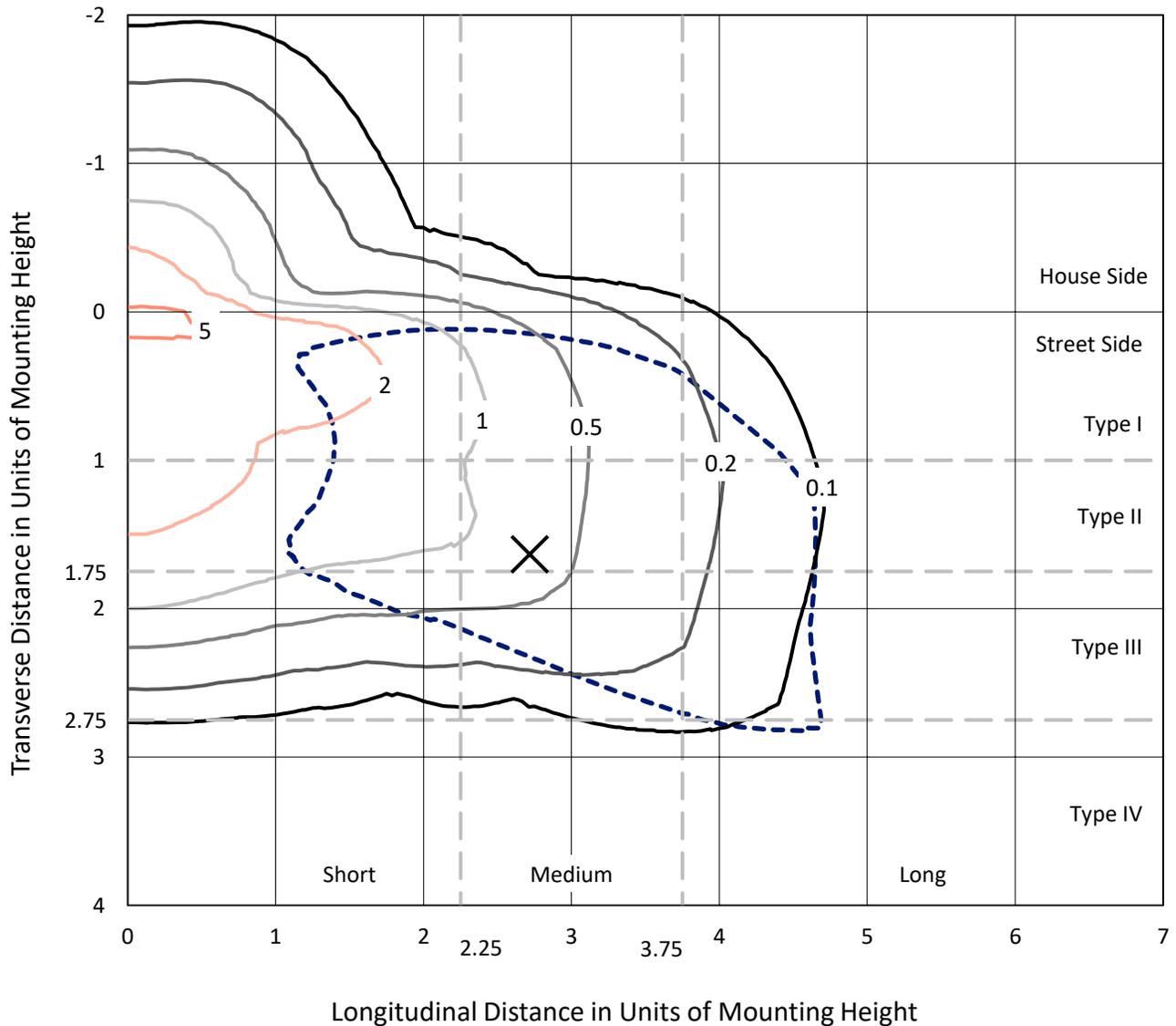


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

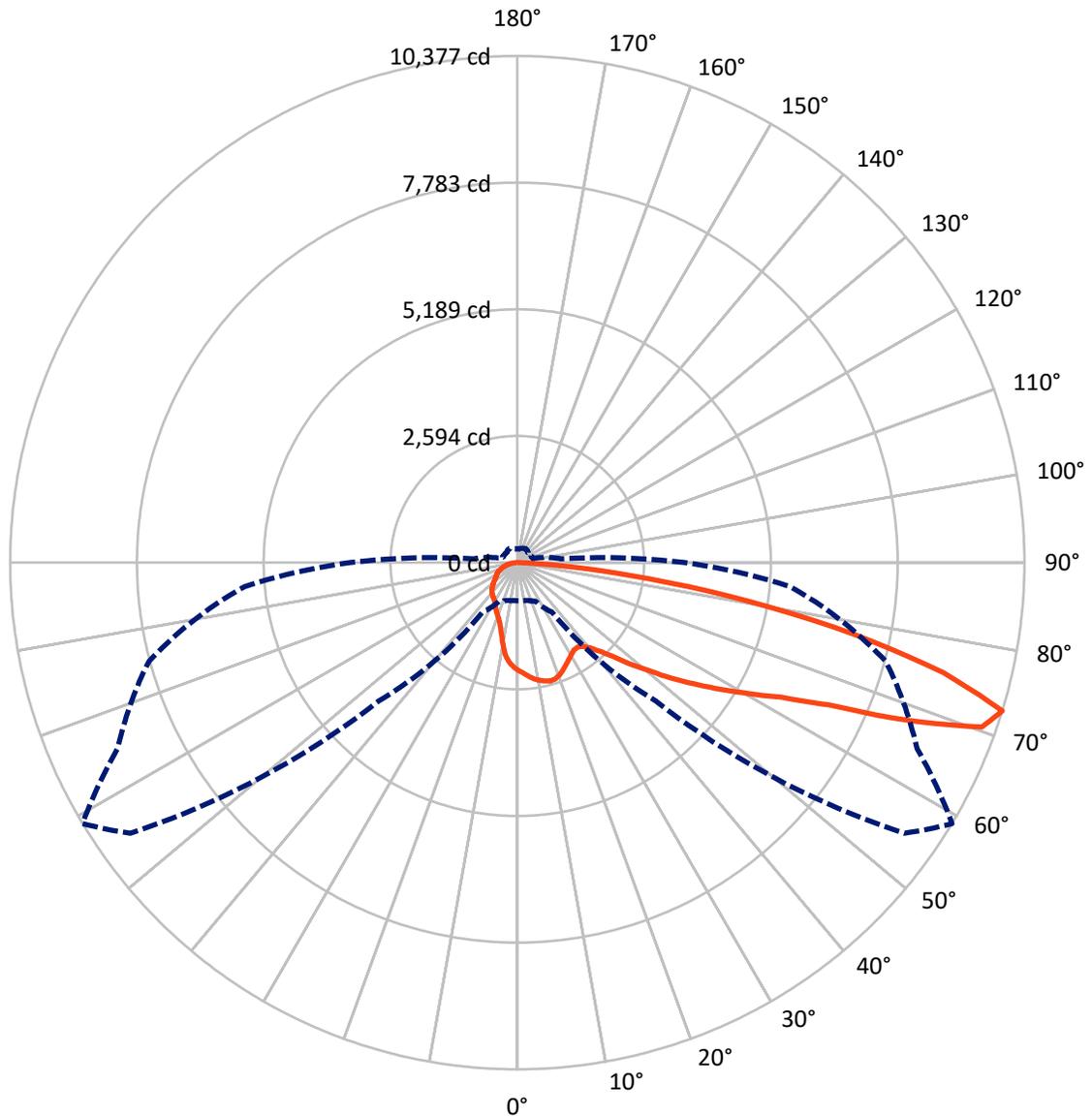


Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

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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	1993.4	0.0	1993.4
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	9721.6	0.0	9721.6
	% Fixture	83.0	0.0	83.0
Total	Lumens	11715.0	0.0	11715.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.3	1.7
10°-20°	506.1	4.3
20°-30°	744.2	6.4
30°-40°	1022.5	8.7
40°-50°	1527.4	13.0
50°-60°	2327.7	19.9
60°-70°	2983.4	25.5
70°-80°	2062.4	17.6
80°-90°	343.1	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°	11715.0	100.0
0°-180°	11715.0	100.0



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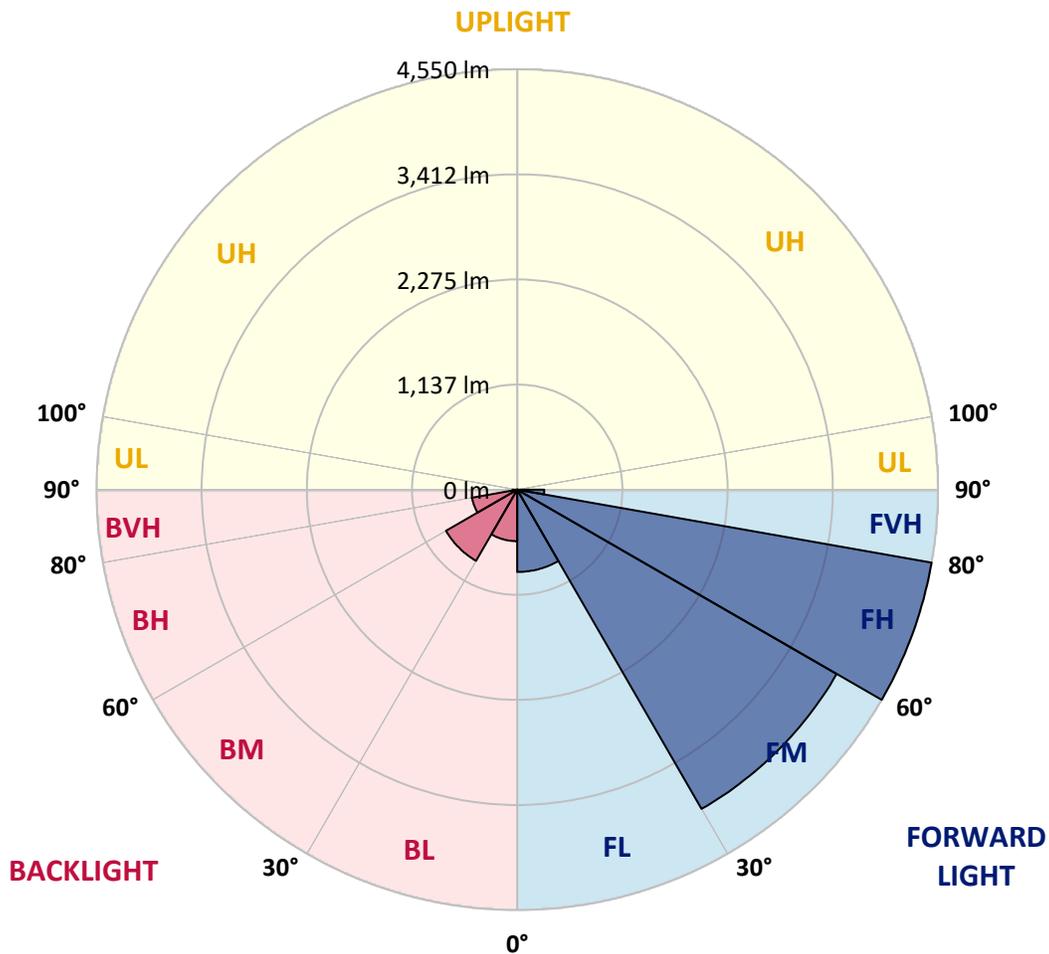
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	890.7	7.6			
FM	(30°-60°)	3988.5	34.0			
FH	(60°-80°)	4549.7	38.8			G2/5000
FVH	(80°-90°)	292.7	2.5			G3/500
BL	(0°-30°)	557.8	4.8	B2/1000		
BM	(30°-60°)	889.1	7.6	B1/1000		
BH	(60°-80°)	496.1	4.2	B1/500		G1/500
BVH	(80°-90°)	50.5	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°	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7
2.5°	2299.9	2293.4	2296.6	2301.5	2288.5	2290.1	2273.9	2260.9	2251.1	2244.6	2230.0
5°	2356.7	2340.5	2347.0	2361.6	2347.0	2360.0	2342.1	2332.3	2316.1	2306.4	2273.9
7.5°	2309.6	2298.2	2314.5	2351.8	2369.7	2403.8	2407.1	2400.6	2394.1	2373.0	2332.3
10°	2092.0	2085.5	2127.7	2226.8	2309.6	2392.4	2447.7	2447.7	2450.9	2436.3	2387.6
12.5°	1815.9	1811.0	1866.2	1988.0	2150.4	2340.5	2472.0	2486.6	2512.6	2507.8	2446.0
15°	1632.3	1629.1	1672.9	1770.4	1937.7	2207.3	2468.8	2517.5	2571.1	2582.5	2506.1
17.5°	1538.1	1538.1	1569.0	1643.7	1759.0	2022.1	2397.3	2504.5	2613.3	2666.9	2574.4
20°	1512.1	1508.9	1526.7	1572.2	1651.8	1856.5	2290.1	2459.0	2645.8	2735.1	2618.2
22.5°	1525.1	1521.9	1528.4	1551.1	1596.6	1746.0	2174.8	2390.8	2663.7	2795.2	2657.2
25°	1588.5	1585.2	1577.1	1575.5	1585.2	1694.0	2057.9	2314.5	2681.5	2881.3	2704.3
27.5°	1711.9	1702.2	1674.5	1648.6	1622.6	1682.7	1983.1	2246.3	2704.3	2952.8	2733.5
30°	1871.1	1867.8	1833.7	1785.0	1698.9	1708.7	1936.0	2182.9	2704.3	3008.0	2731.9
32.5°	1988.0	1989.6	1983.1	1953.9	1832.1	1767.1	1918.2	2130.9	2699.4	3084.3	2738.4
35°	2111.5	2111.5	2095.2	2095.2	2015.6	1880.8	1944.2	2126.1	2727.0	3211.0	2785.5
37.5°	2321.0	2317.7	2283.6	2249.5	2191.0	2064.4	2020.5	2173.2	2803.4	3414.1	2848.8
40°	2597.1	2603.6	2533.7	2439.5	2371.3	2277.1	2163.4	2293.4	2921.9	3656.1	2930.0
42.5°	2930.0	2947.9	2839.1	2709.2	2590.6	2467.2	2363.2	2485.0	3131.4	4000.4	3069.7
45°	3339.3	3321.5	3185.0	3011.3	2855.3	2645.8	2582.5	2733.5	3404.3	4466.5	3284.1
47.5°	3695.0	3704.8	3537.5	3347.5	3154.2	2863.5	2860.2	3097.3	3764.9	4944.1	3531.0
50°	4041.0	4070.2	3885.1	3685.3	3479.0	3107.1	3211.0	3457.9	4151.4	5431.3	3836.4
52.5°	4312.2	4331.7	4159.6	3987.4	3782.8	3428.7	3625.2	3920.8	4542.9	5897.5	4187.2
55°	4526.6	4554.2	4361.0	4218.0	4062.1	3779.5	4099.5	4377.2	4948.9	6331.1	4546.1
57.5°	4817.4	4833.6	4590.0	4464.9	4318.7	4179.1	4620.8	4890.5	5384.2	6699.8	4918.1
60°	5039.9	5049.6	4797.9	4758.9	4755.6	4729.7	5200.7	5441.1	5793.5	7044.1	5298.1
62.5°	4846.6	4846.6	4672.8	4781.6	5176.3	5634.3	6004.7	6076.1	6215.8	7378.7	5663.6
65°	3839.6	3878.6	3898.1	4263.5	5145.5	6560.1	7338.1	7023.0	6743.7	7685.7	5962.4
67.5°	2015.6	2093.6	2273.9	2904.1	4242.4	6898.0	9046.8	8629.4	7492.4	7892.0	6079.4
70°	1026.5	1049.2	1143.4	1495.9	2670.2	6009.5	10061.9	10086.3	8385.7	7981.3	5994.9
72.5°	779.6	779.6	800.7	870.6	1234.4	4008.5	9664.0	10377.0	9025.7	7801.0	5597.0
75°	649.7	657.8	700.0	709.8	623.7	2080.6	7838.4	9002.9	8345.1	7140.0	4888.8
77.5°	521.4	526.2	592.8	631.8	420.7	890.1	5715.5	7026.3	6435.1	5770.8	3443.3
80°	393.1	401.2	461.3	540.9	311.8	427.2	3851.0	4806.0	4026.4	3537.5	1590.1
82.5°	263.1	266.4	315.1	427.2	230.6	237.1	2269.0	2692.9	1957.2	1325.3	417.4
85°	160.8	164.0	196.5	276.1	152.7	126.7	1007.0	1041.1	618.8	315.1	149.4
87.5°	73.1	81.2	102.3	133.2	76.3	52.0	168.9	165.7	121.8	113.7	63.3
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°	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7	2205.7
2.5°	2208.9	2191.0	2173.2	2148.8	2127.7	2092.0	2067.6	2043.2	2030.2	2027.0	2022.1
5°	2247.9	2217.0	2165.1	2096.8	2022.1	1937.7	1858.1	1788.2	1741.1	1726.5	1733.0
7.5°	2293.4	2249.5	2147.2	2015.6	1864.6	1698.9	1559.2	1468.3	1411.4	1378.9	1385.4
10°	2334.0	2270.6	2108.2	1887.3	1629.1	1421.2	1310.7	1247.4	1218.1	1214.9	1213.3
12.5°	2374.6	2291.7	2048.1	1703.8	1417.9	1253.9	1198.7	1180.8	1177.5	1180.8	1179.2
15°	2421.7	2303.1	1945.8	1513.8	1268.5	1184.0	1166.2	1161.3	1162.9	1171.0	1169.4
17.5°	2460.7	2298.2	1786.6	1341.6	1188.9	1149.9	1133.7	1125.6	1133.7	1148.3	1148.3
20°	2473.7	2251.1	1603.1	1221.4	1145.1	1112.6	1089.8	1076.8	1086.6	1104.5	1107.7
22.5°	2463.9	2161.8	1414.7	1136.9	1099.6	1068.7	1044.4	1031.4	1036.2	1049.2	1050.9
25°	2449.3	2044.9	1249.0	1072.0	1041.1	1016.7	1010.2	994.0	985.9	994.0	995.6
27.5°	2405.4	1890.6	1112.6	1005.4	976.1	979.4	976.1	961.5	950.2	948.5	951.8
30°	2308.0	1676.2	1010.2	937.2	927.4	945.3	945.3	924.2	903.1	899.8	904.7
32.5°	2191.0	1456.9	925.8	880.3	899.8	909.5	909.5	891.7	870.6	857.6	864.1
35°	2075.7	1249.0	860.8	841.3	878.7	886.8	878.7	872.2	838.1	805.6	813.7
37.5°	1942.5	1070.3	804.0	812.1	854.3	857.6	857.6	834.8	789.4	761.7	768.2
40°	1798.0	935.5	756.9	786.1	828.3	828.3	815.3	800.7	778.0	750.4	753.6
42.5°	1705.4	844.6	721.1	758.5	787.7	797.5	768.2	779.6	760.1	730.9	734.1
45°	1692.4	787.7	691.9	716.3	742.3	739.0	740.6	748.8	730.9	691.9	690.3
47.5°	1772.0	769.9	664.3	669.2	691.9	703.3	713.0	716.3	690.3	648.1	641.6
50°	1949.0	800.7	636.7	626.9	646.4	672.4	682.2	687.0	656.2	612.3	605.8
52.5°	2221.9	896.6	612.3	591.2	589.6	635.1	662.7	675.7	626.9	579.8	576.6
55°	2524.0	1026.5	579.8	560.3	542.5	605.8	646.4	661.0	599.3	537.6	532.7
57.5°	2845.6	1180.8	542.5	529.5	508.4	578.2	617.2	628.6	557.1	487.3	484.0
60°	3181.8	1318.8	506.7	495.4	484.0	540.9	581.5	584.7	518.1	448.3	445.0
62.5°	3485.5	1413.1	472.6	459.6	459.6	497.0	539.2	536.0	477.5	412.5	409.3
65°	3709.7	1401.7	441.8	425.5	432.0	449.9	487.3	475.9	433.7	378.4	375.2
67.5°	3800.6	1281.5	412.5	394.7	396.3	401.2	432.0	423.9	389.8	344.3	342.7
70°	3706.4	1065.5	375.2	352.5	349.2	350.8	381.7	367.1	342.7	313.5	311.8
72.5°	3425.4	893.3	333.0	313.5	307.0	302.1	328.1	321.6	303.7	279.4	281.0
75°	3003.1	771.5	287.5	274.5	263.1	258.2	279.4	276.1	263.1	246.9	246.9
77.5°	2098.5	563.6	237.1	232.3	225.8	216.0	232.3	233.9	225.8	220.9	219.3
80°	909.5	315.1	186.8	190.0	181.9	175.4	188.4	190.0	196.5	190.0	191.7
82.5°	263.1	155.9	134.8	144.6	141.3	134.8	141.3	155.9	146.2	128.3	131.6
85°	97.5	74.7	84.5	91.0	86.1	68.2	89.3	102.3	92.6	86.1	87.7
87.5°	37.4	27.6	35.7	30.9	24.4	17.9	30.9	34.1	45.5	17.9	14.6
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)