

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: P1209097

Luminaire Tested: UPW-SA2-090-750-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209097
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-SA2-090-750-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 800mA 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: 11317 lumens
Efficiency: N/A
Efficacy: 131.6 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): 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

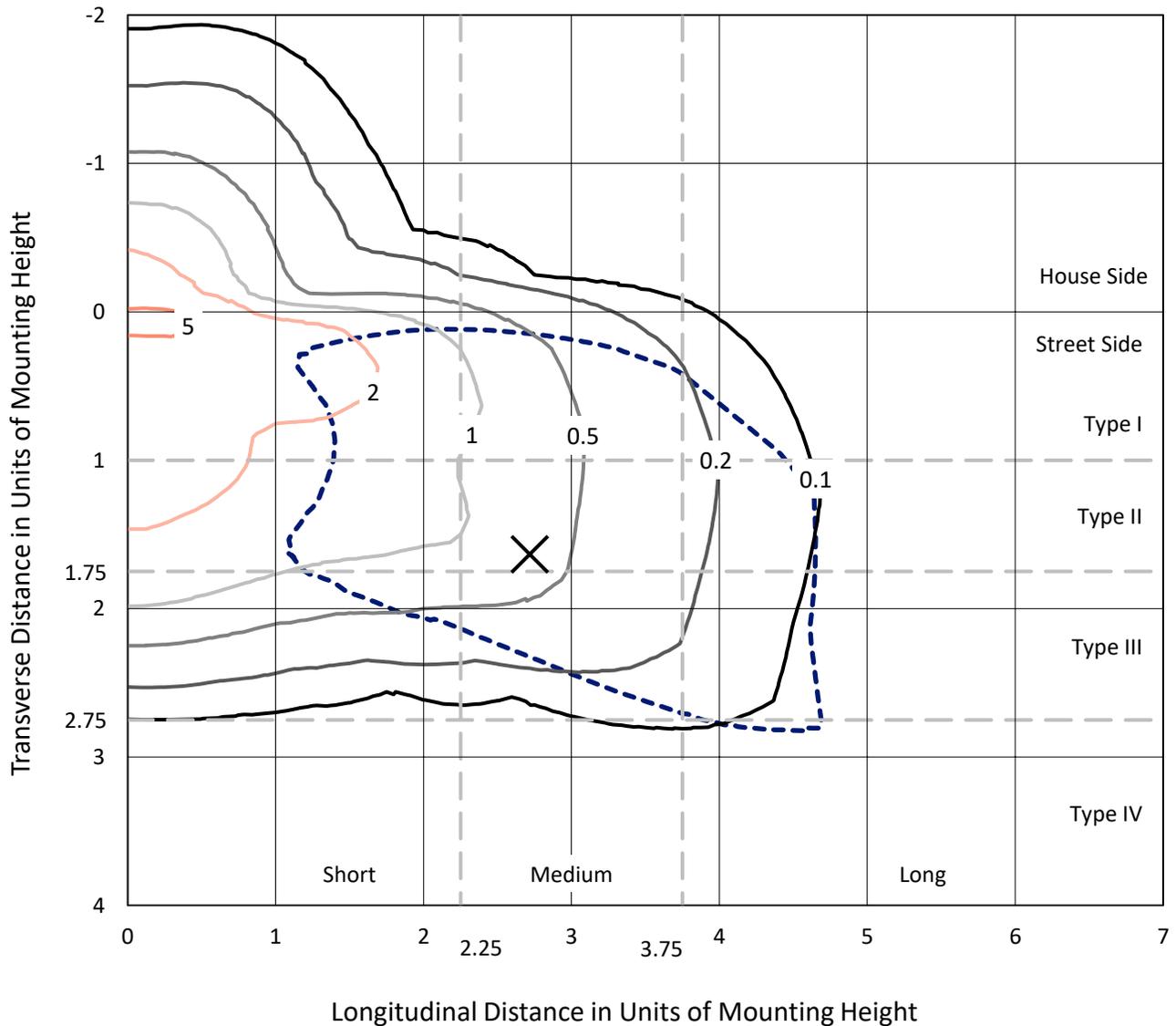


REPORT NUMBER: P1209097

CATALOG NUMBER: UPW-SA2-090-750-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

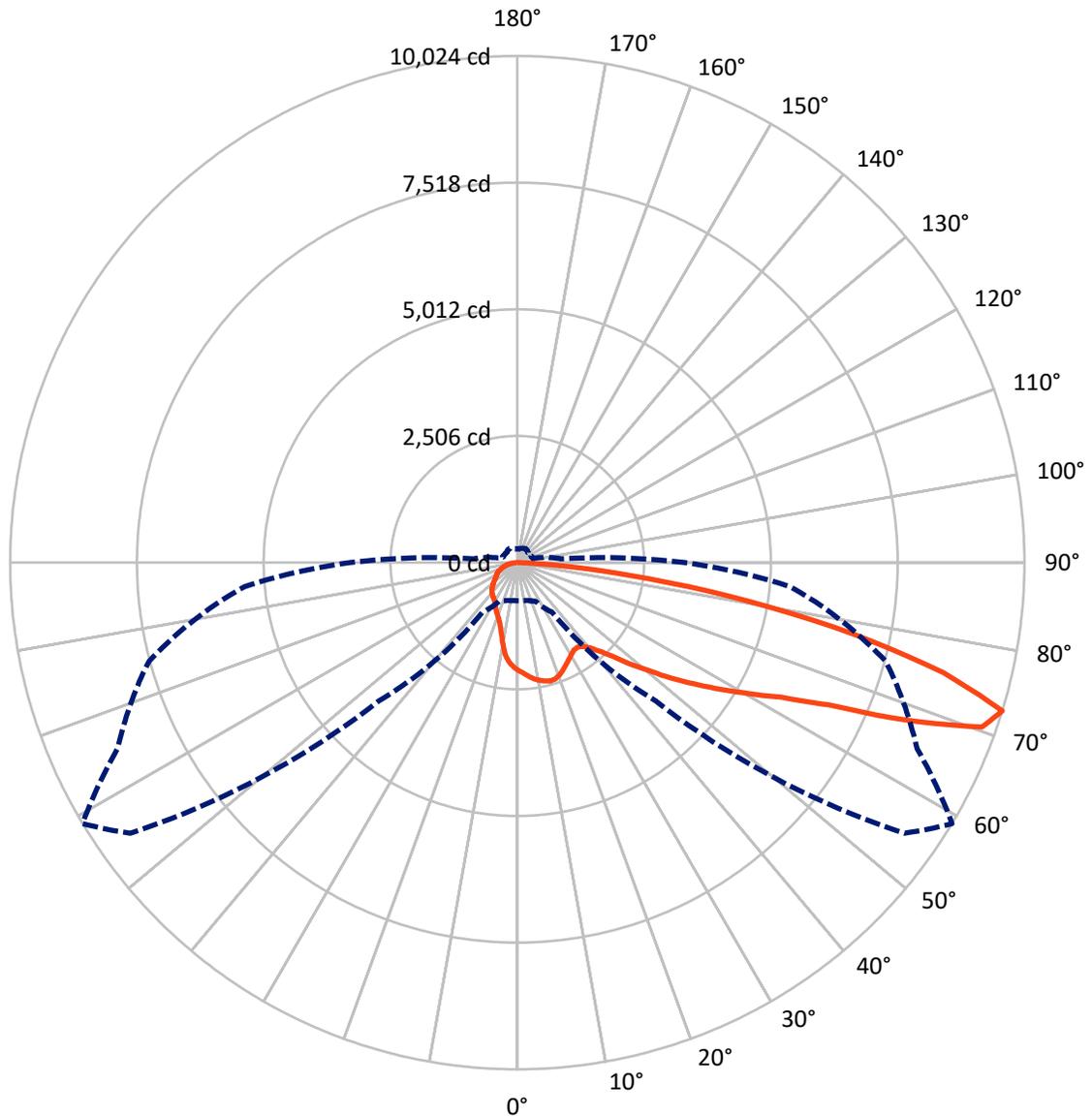


Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P1209097

CATALOG NUMBER: UPW-SA2-090-750-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209097

CATALOG NUMBER: UPW-SA2-090-750-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1925.7	0.0	1925.7
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	9391.3	0.0	9391.3
	% Fixture	83.0	0.0	83.0
Total	Lumens	11317.0	0.0	11317.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.5	1.7
10°-20°	488.9	4.3
20°-30°	718.9	6.4
30°-40°	987.8	8.7
40°-50°	1475.5	13.0
50°-60°	2248.6	19.9
60°-70°	2882.0	25.5
70°-80°	1992.3	17.6
80°-90°	331.5	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°	11317.0	100.0
0°-180°	11317.0	100.0



REPORT NUMBER: P1209097

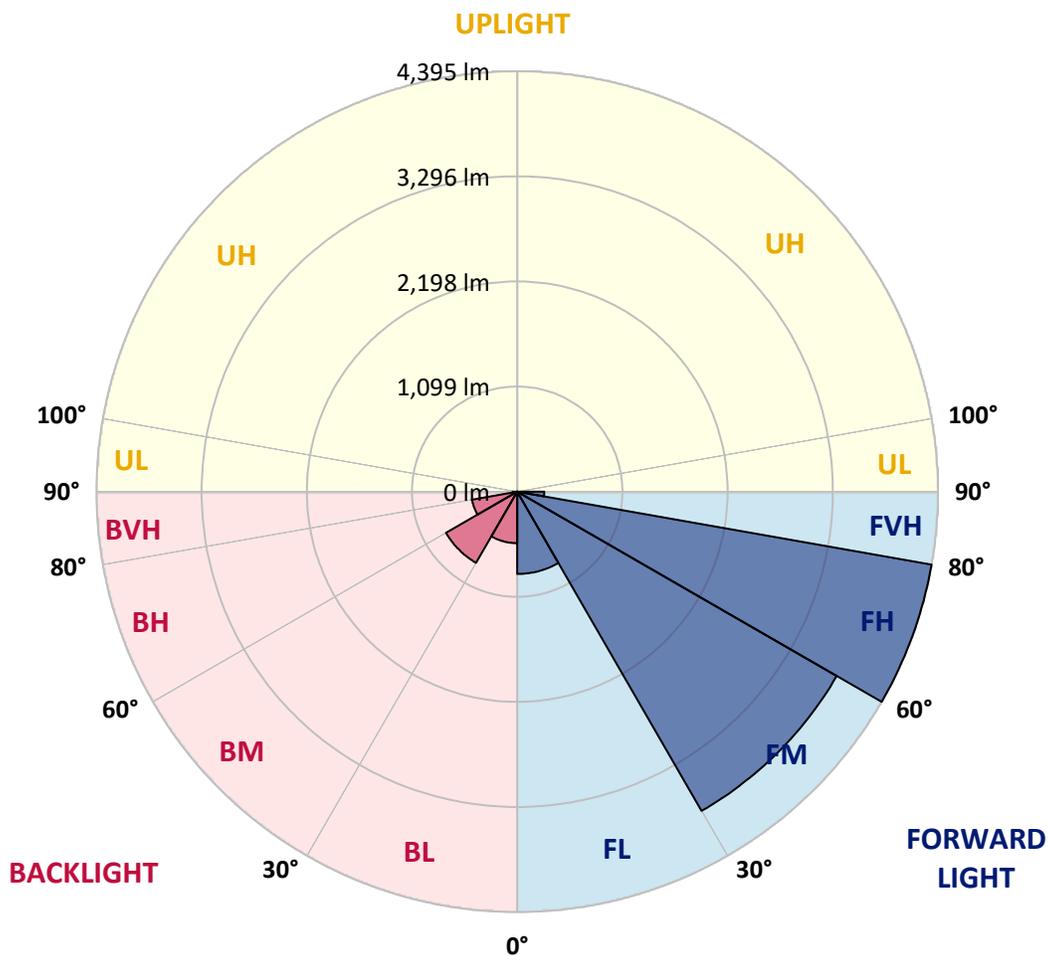
CATALOG NUMBER: UPW-SA2-090-750-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	860.4	7.6			
FM	(30°-60°)	3853.0	34.0			
FH	(60°-80°)	4395.1	38.8			G2/5000
FVH	(80°-90°)	282.7	2.5			G3/500
BL	(0°-30°)	538.9	4.8	B2/1000		
BM	(30°-60°)	858.9	7.6	B1/1000		
BH	(60°-80°)	479.2	4.2	B1/500		G1/500
BVH	(80°-90°)	48.7	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





REPORT NUMBER: P1209097

CATALOG NUMBER: UPW-SA2-090-750-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7
2.5°	2221.7	2215.5	2218.6	2223.3	2210.7	2212.3	2196.6	2184.1	2174.7	2168.4	2154.3
5°	2276.6	2261.0	2267.2	2281.3	2267.2	2279.8	2262.5	2253.1	2237.4	2228.0	2196.6
7.5°	2231.1	2220.2	2235.8	2271.9	2289.2	2322.1	2325.3	2319.0	2312.7	2292.3	2253.1
10°	2020.9	2014.6	2055.4	2151.1	2231.1	2311.2	2364.5	2364.5	2367.6	2353.5	2306.5
12.5°	1754.2	1749.5	1802.8	1920.5	2077.4	2261.0	2388.0	2402.2	2427.3	2422.6	2362.9
15°	1576.9	1573.7	1616.1	1710.2	1871.8	2132.3	2384.9	2432.0	2483.8	2494.7	2421.0
17.5°	1485.9	1485.9	1515.7	1587.8	1699.2	1953.4	2315.9	2419.4	2524.5	2576.3	2486.9
20°	1460.8	1457.6	1474.9	1518.8	1595.7	1793.4	2212.3	2375.5	2555.9	2642.2	2529.3
22.5°	1473.3	1470.2	1476.4	1498.4	1542.3	1686.7	2100.9	2309.6	2573.2	2700.3	2566.9
25°	1534.5	1531.4	1523.5	1521.9	1531.4	1636.5	1987.9	2235.8	2590.4	2783.4	2612.4
27.5°	1653.7	1644.3	1617.7	1592.6	1567.4	1625.5	1915.8	2169.9	2612.4	2852.5	2640.7
30°	1807.5	1804.4	1771.4	1724.3	1641.2	1650.6	1870.3	2108.8	2612.4	2905.8	2639.1
32.5°	1920.5	1922.0	1915.8	1887.5	1769.9	1707.1	1853.0	2058.5	2607.7	2979.6	2645.4
35°	2039.7	2039.7	2024.0	2024.0	1947.1	1816.9	1878.1	2053.8	2634.4	3101.9	2690.9
37.5°	2242.1	2239.0	2206.0	2173.1	2116.6	1994.2	1951.9	2099.3	2708.1	3298.1	2752.1
40°	2508.9	2515.1	2447.7	2356.7	2290.8	2199.8	2089.9	2215.5	2822.7	3531.9	2830.5
42.5°	2830.5	2847.8	2742.6	2617.1	2502.6	2383.3	2282.9	2400.6	3025.1	3864.5	2965.4
45°	3225.9	3208.6	3076.8	2909.0	2758.3	2555.9	2494.7	2640.7	3288.7	4314.8	3172.6
47.5°	3569.5	3578.9	3417.3	3233.7	3047.0	2766.2	2763.0	2992.1	3637.0	4776.1	3411.0
50°	3903.7	3932.0	3753.1	3560.1	3360.8	3001.5	3101.9	3340.4	4010.4	5246.8	3706.0
52.5°	4165.7	4184.6	4018.3	3851.9	3654.2	3312.2	3502.0	3787.6	4388.5	5697.1	4044.9
55°	4372.8	4399.5	4212.8	4074.7	3924.1	3651.1	3960.2	4228.5	4780.8	6116.0	4391.7
57.5°	4653.7	4669.4	4434.0	4313.2	4172.0	4037.1	4463.9	4724.3	5201.3	6472.2	4751.0
60°	4868.7	4878.1	4634.9	4597.2	4594.1	4569.0	5024.0	5256.2	5596.7	6804.8	5118.1
62.5°	4681.9	4681.9	4514.1	4619.2	5000.5	5442.9	5800.7	5869.7	6004.6	7128.0	5471.2
65°	3709.2	3746.8	3765.6	4118.7	4970.6	6337.3	7088.8	6784.4	6514.6	7424.6	5759.9
67.5°	1947.1	2022.5	2196.6	2805.4	4098.3	6663.6	8739.4	8336.2	7237.9	7623.9	5872.8
70°	991.6	1013.6	1104.6	1445.1	2579.5	5805.4	9720.1	9743.6	8100.8	7710.1	5791.2
72.5°	753.1	753.1	773.5	841.0	1192.5	3872.3	9335.6	10024.4	8719.0	7536.0	5406.8
75°	627.6	635.5	676.2	685.7	602.5	2009.9	7572.1	8697.1	8061.6	6897.4	4722.7
77.5°	503.7	508.4	572.7	610.3	406.4	859.8	5521.4	6787.6	6216.4	5574.7	3326.3
80°	379.7	387.5	445.6	522.5	301.3	412.7	3720.1	4642.7	3889.6	3417.3	1536.1
82.5°	254.2	257.3	304.4	412.7	222.8	229.1	2191.9	2601.4	1890.7	1280.3	403.2
85°	155.3	158.5	189.9	266.7	147.5	122.4	972.8	1005.7	597.8	304.4	144.3
87.5°	70.6	78.5	98.8	128.7	73.7	50.2	163.2	160.0	117.7	109.8	61.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1209097

CATALOG NUMBER: UPW-SA2-090-750-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7	2130.7
2.5°	2133.9	2116.6	2099.3	2075.8	2055.4	2020.9	1997.4	1973.8	1961.3	1958.1	1953.4
5°	2171.5	2141.7	2091.5	2025.6	1953.4	1871.8	1795.0	1727.5	1682.0	1667.9	1674.1
7.5°	2215.5	2173.1	2074.2	1947.1	1801.2	1641.2	1506.3	1418.4	1363.5	1332.1	1338.4
10°	2254.7	2193.5	2036.6	1823.2	1573.7	1372.9	1266.2	1205.0	1176.8	1173.6	1172.1
12.5°	2293.9	2213.9	1978.5	1645.9	1369.8	1211.3	1157.9	1140.7	1137.5	1140.7	1139.1
15°	2339.4	2224.9	1879.7	1462.3	1225.4	1143.8	1126.6	1121.8	1123.4	1131.3	1129.7
17.5°	2377.1	2220.2	1725.9	1296.0	1148.5	1110.9	1095.2	1087.3	1095.2	1109.3	1109.3
20°	2389.6	2174.7	1548.6	1179.9	1106.2	1074.8	1052.8	1040.3	1049.7	1066.9	1070.1
22.5°	2380.2	2088.4	1366.6	1098.3	1062.2	1032.4	1008.9	996.3	1001.0	1013.6	1015.2
25°	2366.1	1975.4	1206.6	1035.6	1005.7	982.2	975.9	960.2	952.4	960.2	961.8
27.5°	2323.7	1826.3	1074.8	971.2	943.0	946.1	943.0	928.9	917.9	916.3	919.4
30°	2229.6	1619.2	975.9	905.3	895.9	913.2	913.2	892.8	872.4	869.2	873.9
32.5°	2116.6	1407.4	894.3	850.4	869.2	878.6	878.6	861.4	841.0	828.4	834.7
35°	2005.2	1206.6	831.6	812.8	848.8	856.7	848.8	842.6	809.6	778.2	786.1
37.5°	1876.5	1034.0	776.7	784.5	825.3	828.4	828.4	806.5	762.5	735.9	742.1
40°	1736.9	903.8	731.2	759.4	800.2	800.2	787.6	773.5	751.6	724.9	728.0
42.5°	1647.5	815.9	696.6	732.7	761.0	770.4	742.1	753.1	734.3	706.1	709.2
45°	1634.9	761.0	668.4	691.9	717.0	713.9	715.5	723.3	706.1	668.4	666.8
47.5°	1711.8	743.7	641.7	646.4	668.4	679.4	688.8	691.9	666.8	626.0	619.8
50°	1882.8	773.5	615.1	605.6	624.5	649.6	659.0	663.7	633.9	591.5	585.2
52.5°	2146.4	866.1	591.5	571.1	569.6	613.5	640.2	652.7	605.6	560.1	557.0
55°	2438.3	991.6	560.1	541.3	524.1	585.2	624.5	638.6	579.0	519.3	514.6
57.5°	2748.9	1140.7	524.1	511.5	491.1	558.6	596.2	607.2	538.2	470.7	467.6
60°	3073.7	1274.0	489.5	478.5	467.6	522.5	561.7	564.8	500.5	433.0	429.9
62.5°	3367.1	1365.0	456.6	444.0	444.0	480.1	520.9	517.8	461.3	398.5	395.4
65°	3583.6	1354.1	426.8	411.1	417.4	434.6	470.7	459.7	418.9	365.6	362.4
67.5°	3671.5	1238.0	398.5	381.3	382.8	387.5	417.4	409.5	376.6	332.6	331.1
70°	3580.5	1029.3	362.4	340.5	337.3	338.9	368.7	354.6	331.1	302.8	301.3
72.5°	3309.1	863.0	321.6	302.8	296.5	291.8	316.9	310.7	293.4	269.9	271.4
75°	2901.1	745.3	277.7	265.2	254.2	249.5	269.9	266.7	254.2	238.5	238.5
77.5°	2027.2	544.4	229.1	224.4	218.1	208.7	224.4	225.9	218.1	213.4	211.8
80°	878.6	304.4	180.4	183.6	175.7	169.5	182.0	183.6	189.9	183.6	185.1
82.5°	254.2	150.6	130.2	139.6	136.5	130.2	136.5	150.6	141.2	124.0	127.1
85°	94.1	72.2	81.6	87.9	83.2	65.9	86.3	98.8	89.4	83.2	84.7
87.5°	36.1	26.7	34.5	29.8	23.5	17.3	29.8	32.9	43.9	17.3	14.1
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)