

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: P1209259

Luminaire Tested: UPW-SA2-110-730-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-730-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 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: 12757 lumens
Efficiency: N/A
Efficacy: 112.9 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

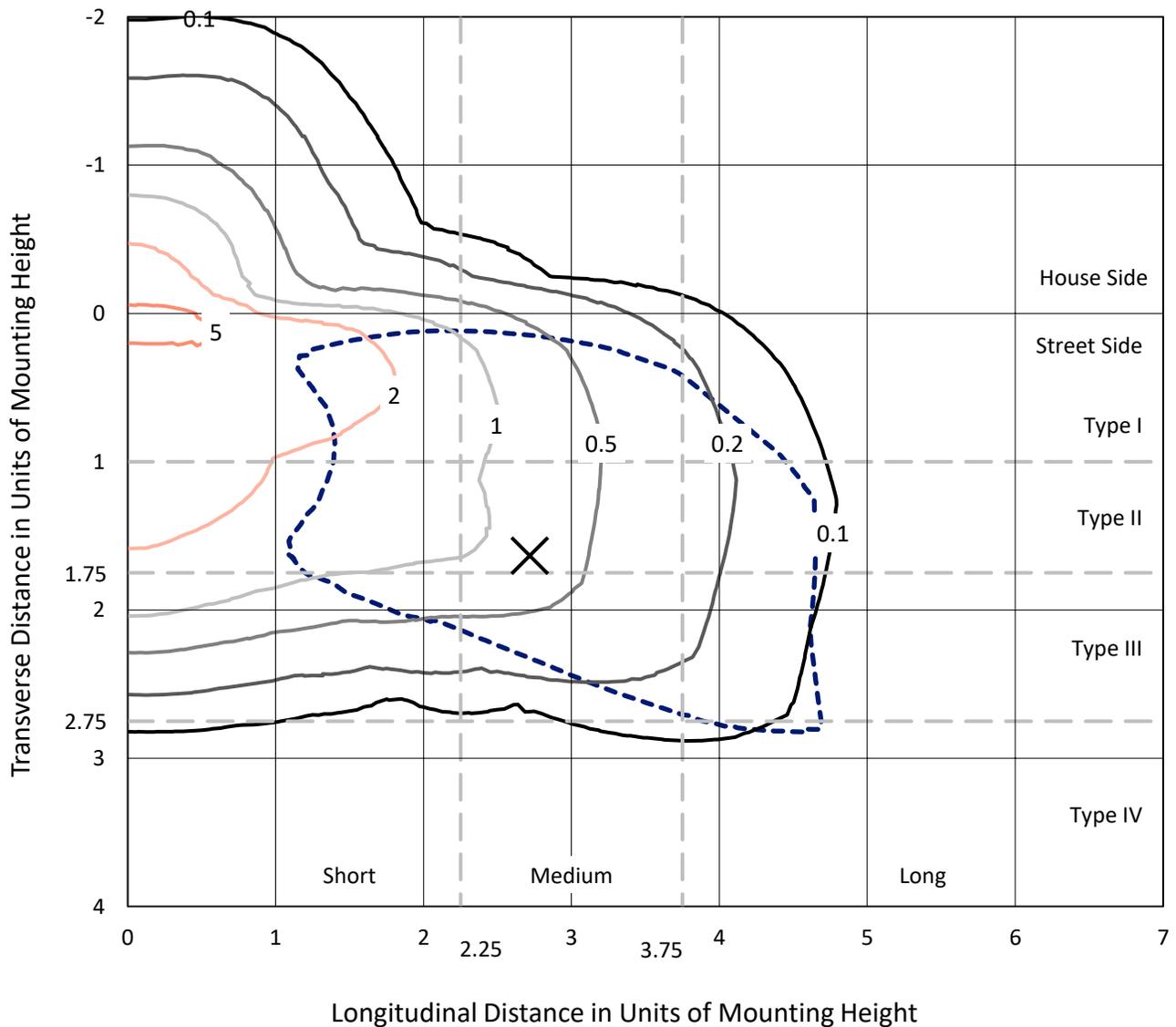


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

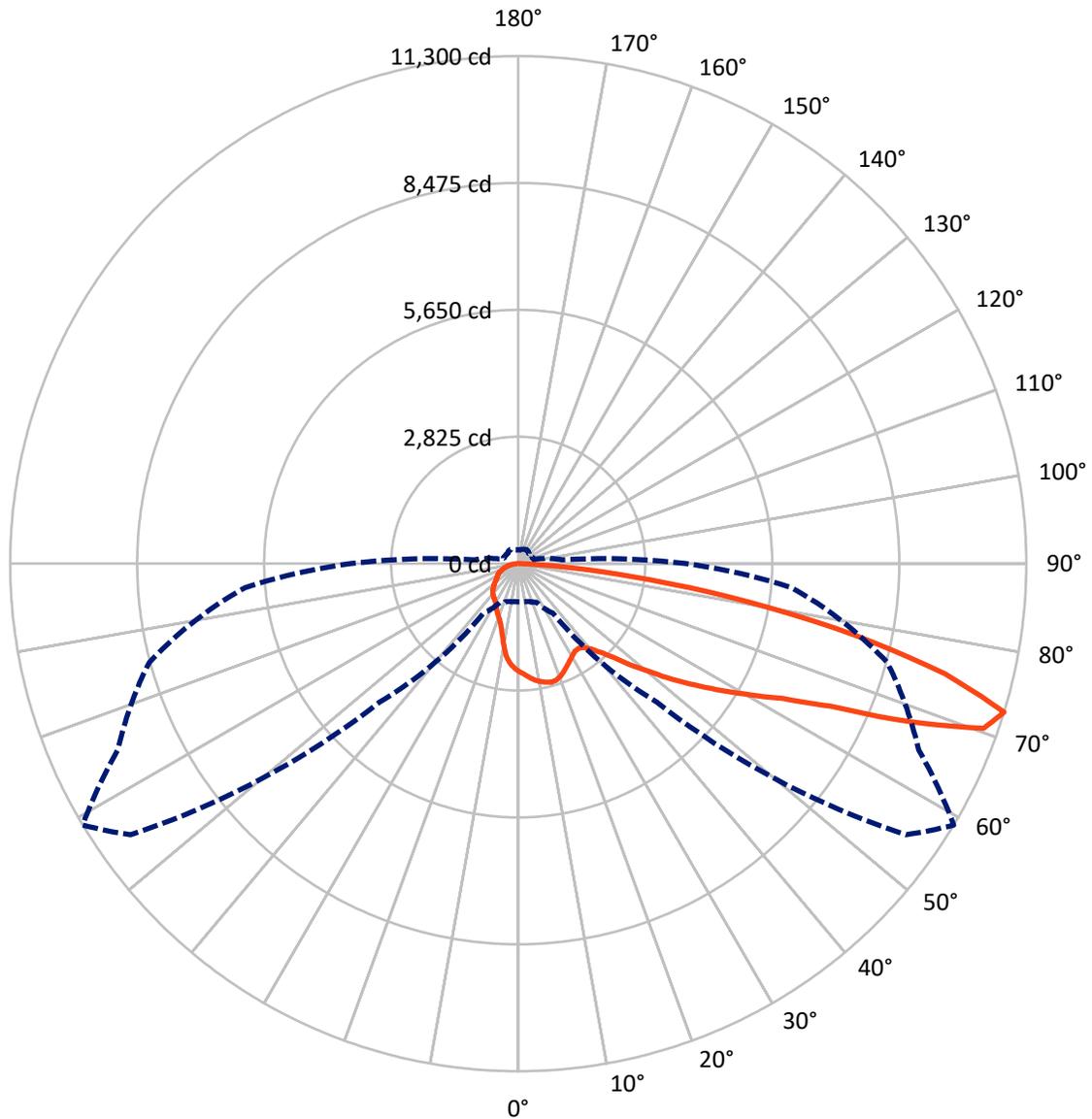


Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

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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	2170.7	0.0	2170.7
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	10586.3	0.0	10586.3
	% Fixture	83.0	0.0	83.0
Total	Lumens	12757.0	0.0	12757.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.9	1.7
10°-20°	551.1	4.3
20°-30°	810.4	6.4
30°-40°	1113.5	8.7
40°-50°	1663.2	13.0
50°-60°	2534.7	19.9
60°-70°	3248.8	25.5
70°-80°	2245.8	17.6
80°-90°	373.7	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°	12757.0	100.0
0°-180°	12757.0	100.0



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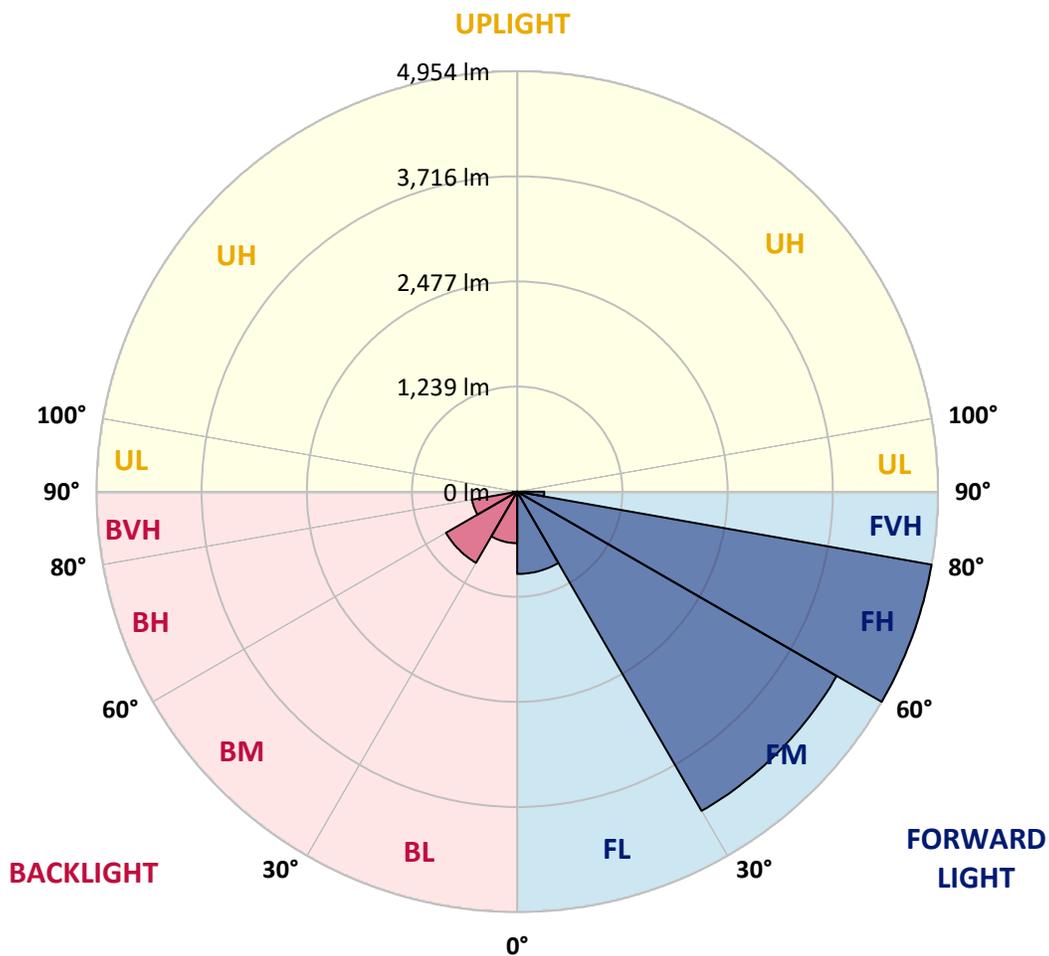
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	969.9	7.6			
FM	(30°-60°)	4343.3	34.0			
FH	(60°-80°)	4954.4	38.8			G2/5000
FVH	(80°-90°)	318.7	2.5			G3/500
BL	(0°-30°)	607.4	4.8	B2/1000		
BM	(30°-60°)	968.2	7.6	B1/1000		
BH	(60°-80°)	540.2	4.2	B2/1000		G2/1000
BVH	(80°-90°)	54.9	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°	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8
2.5°	2504.4	2497.3	2500.9	2506.2	2492.0	2493.8	2476.1	2462.0	2451.4	2444.3	2428.4
5°	2566.3	2548.6	2555.7	2571.6	2555.7	2569.9	2550.4	2539.8	2522.1	2511.5	2476.1
7.5°	2515.0	2502.7	2520.3	2561.0	2580.5	2617.6	2621.2	2614.1	2607.0	2584.0	2539.8
10°	2278.0	2271.0	2316.9	2424.8	2515.0	2605.2	2665.4	2665.4	2668.9	2653.0	2599.9
12.5°	1977.4	1972.1	2032.2	2164.8	2341.7	2548.6	2691.9	2707.8	2736.1	2730.8	2663.6
15°	1777.5	1774.0	1821.7	1927.8	2110.0	2403.6	2688.4	2741.4	2799.8	2812.2	2729.0
17.5°	1674.9	1674.9	1708.5	1789.9	1915.5	2202.0	2610.5	2727.3	2845.8	2904.1	2803.3
20°	1646.6	1643.1	1662.5	1712.1	1798.7	2021.6	2493.8	2677.8	2881.1	2978.4	2851.1
22.5°	1660.8	1657.2	1664.3	1689.1	1738.6	1901.3	2368.2	2603.5	2900.6	3043.9	2893.5
25°	1729.8	1726.2	1717.4	1715.6	1726.2	1844.7	2240.9	2520.3	2920.1	3137.6	2944.8
27.5°	1864.2	1853.6	1823.5	1795.2	1766.9	1832.3	2159.5	2446.1	2944.8	3215.4	2976.7
30°	2037.5	2034.0	1996.8	1943.8	1850.0	1860.6	2108.2	2377.1	2944.8	3275.6	2974.9
32.5°	2164.8	2166.6	2159.5	2127.7	1995.1	1924.3	2088.8	2320.5	2939.5	3358.7	2982.0
35°	2299.3	2299.3	2281.6	2281.6	2194.9	2048.1	2117.1	2315.2	2969.6	3496.6	3033.3
37.5°	2527.4	2523.9	2486.7	2449.6	2385.9	2248.0	2200.2	2366.5	3052.7	3717.7	3102.2
40°	2828.1	2835.2	2759.1	2656.5	2582.2	2479.7	2355.9	2497.3	3181.8	3981.3	3190.7
42.5°	3190.7	3210.1	3091.6	2950.1	2821.0	2686.6	2573.4	2706.1	3410.0	4356.2	3342.8
45°	3636.4	3616.9	3468.3	3279.1	3109.3	2881.1	2812.2	2976.7	3707.1	4863.8	3576.2
47.5°	4023.7	4034.3	3852.1	3645.2	3434.7	3118.2	3114.6	3372.8	4099.8	5383.8	3845.1
50°	4400.4	4432.3	4230.6	4013.1	3788.5	3383.4	3496.6	3765.5	4520.7	5914.4	4177.6
52.5°	4695.8	4717.0	4529.5	4342.1	4119.2	3733.6	3947.7	4269.5	4946.9	6422.0	4559.6
55°	4929.3	4959.3	4748.9	4593.2	4423.4	4115.7	4464.1	4766.5	5389.1	6894.2	4950.5
57.5°	5245.8	5263.5	4998.2	4862.1	4702.9	4550.8	5031.8	5325.4	5863.1	7295.7	5355.5
60°	5488.2	5498.8	5224.6	5182.2	5178.6	5150.3	5663.3	5925.0	6308.8	7670.7	5769.4
62.5°	5277.7	5277.7	5088.4	5206.9	5636.7	6135.5	6538.7	6616.6	6768.7	8035.0	6167.3
65°	4181.1	4223.6	4244.8	4642.7	5603.1	7143.6	7990.8	7647.7	7343.5	8369.3	6492.8
67.5°	2194.9	2279.8	2476.1	3162.4	4619.7	7511.5	9851.4	9396.9	8158.8	8593.9	6620.1
70°	1117.8	1142.6	1245.1	1628.9	2907.7	6544.0	10956.9	10983.4	9131.6	8691.2	6528.1
72.5°	849.0	849.0	872.0	948.0	1344.2	4365.1	10523.5	11300.0	9828.5	8494.9	6094.8
75°	707.5	716.3	762.3	772.9	679.2	2265.7	8535.6	9803.7	9087.4	7775.0	5323.7
77.5°	567.7	573.0	645.6	688.0	458.1	969.2	6223.9	7651.2	7007.4	6284.1	3749.6
80°	428.0	436.9	502.3	589.0	339.6	465.2	4193.5	5233.5	4384.5	3852.1	1731.5
82.5°	286.5	290.1	343.1	465.2	251.1	258.2	2470.8	2932.4	2131.2	1443.2	454.5
85°	175.1	178.6	214.0	300.7	166.3	138.0	1096.6	1133.7	673.9	343.1	162.7
87.5°	79.6	88.4	111.4	145.0	83.1	56.6	183.9	180.4	132.6	123.8	69.0
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°	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8	2401.8
2.5°	2405.4	2385.9	2366.5	2339.9	2316.9	2278.0	2251.5	2225.0	2210.8	2207.3	2202.0
5°	2447.8	2414.2	2357.6	2283.3	2202.0	2110.0	2023.3	1947.3	1896.0	1880.1	1887.2
7.5°	2497.3	2449.6	2338.2	2194.9	2030.4	1850.0	1697.9	1598.9	1537.0	1501.6	1508.7
10°	2541.6	2472.6	2295.7	2055.2	1774.0	1547.6	1427.3	1358.3	1326.5	1323.0	1321.2
12.5°	2585.8	2495.6	2230.3	1855.3	1544.0	1365.4	1305.3	1285.8	1282.3	1285.8	1284.0
15°	2637.1	2508.0	2118.9	1648.4	1381.3	1289.4	1269.9	1264.6	1266.4	1275.2	1273.4
17.5°	2679.5	2502.7	1945.5	1460.9	1294.7	1252.2	1234.5	1225.7	1234.5	1250.4	1250.4
20°	2693.7	2451.4	1745.7	1330.0	1246.9	1211.5	1186.8	1172.6	1183.2	1202.7	1206.2
22.5°	2683.1	2354.1	1540.5	1238.1	1197.4	1163.8	1137.2	1123.1	1128.4	1142.6	1144.3
25°	2667.1	2226.7	1360.1	1167.3	1133.7	1107.2	1100.1	1082.4	1073.6	1082.4	1084.2
27.5°	2619.4	2058.7	1211.5	1094.8	1063.0	1066.5	1063.0	1047.0	1034.7	1032.9	1036.4
30°	2513.3	1825.3	1100.1	1020.5	1009.9	1029.4	1029.4	1006.4	983.4	979.8	985.1
32.5°	2385.9	1586.5	1008.1	958.6	979.8	990.5	990.5	971.0	948.0	933.9	940.9
35°	2260.3	1360.1	937.4	916.2	956.8	965.7	956.8	949.8	912.6	877.3	886.1
37.5°	2115.3	1165.5	875.5	884.3	930.3	933.9	933.9	909.1	859.6	829.5	836.6
40°	1957.9	1018.7	824.2	856.0	902.0	902.0	887.9	872.0	847.2	817.1	820.7
42.5°	1857.1	919.7	785.3	826.0	857.8	868.4	836.6	849.0	827.7	795.9	799.4
45°	1842.9	857.8	753.4	780.0	808.3	804.7	806.5	815.4	795.9	753.4	751.7
47.5°	1929.6	838.3	723.4	728.7	753.4	765.8	776.4	780.0	751.7	705.7	698.6
50°	2122.4	872.0	693.3	682.7	703.9	732.2	742.8	748.1	714.5	666.8	659.7
52.5°	2419.5	976.3	666.8	643.8	642.0	691.5	721.6	735.8	682.7	631.4	627.9
55°	2748.5	1117.8	631.4	610.2	590.7	659.7	703.9	719.8	652.6	585.4	580.1
57.5°	3098.7	1285.8	590.7	576.6	553.6	629.6	672.1	684.5	606.7	530.6	527.1
60°	3464.8	1436.2	551.8	539.4	527.1	589.0	633.2	636.7	564.2	488.2	484.6
62.5°	3795.5	1538.7	514.7	500.5	500.5	541.2	587.2	583.7	520.0	449.2	445.7
65°	4039.6	1526.4	481.1	463.4	470.5	489.9	530.6	518.2	472.2	412.1	408.6
67.5°	4138.7	1395.5	449.2	429.8	431.6	436.9	470.5	461.6	424.5	375.0	373.2
70°	4036.1	1160.2	408.6	383.8	380.3	382.0	415.6	399.7	373.2	341.4	339.6
72.5°	3730.1	972.8	362.6	341.4	334.3	329.0	357.3	350.2	330.7	304.2	306.0
75°	3270.3	840.1	313.1	298.9	286.5	281.2	304.2	300.7	286.5	268.8	268.8
77.5°	2285.1	613.7	258.2	252.9	245.8	235.2	252.9	254.7	245.8	240.5	238.8
80°	990.5	343.1	203.4	206.9	198.1	191.0	205.2	206.9	214.0	206.9	208.7
82.5°	286.5	169.8	146.8	157.4	153.9	146.8	153.9	169.8	159.2	139.7	143.3
85°	106.1	81.4	92.0	99.0	93.7	74.3	97.3	111.4	100.8	93.7	95.5
87.5°	40.7	30.1	38.9	33.6	26.5	19.5	33.6	37.1	49.5	19.5	15.9
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)