

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: P1209475

Luminaire Tested: UPW-SA2-130-727-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209475
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-SA2-130-727-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1200mA 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: 12849 lumens
Efficiency: N/A
Efficacy: 99.6 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): 129
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

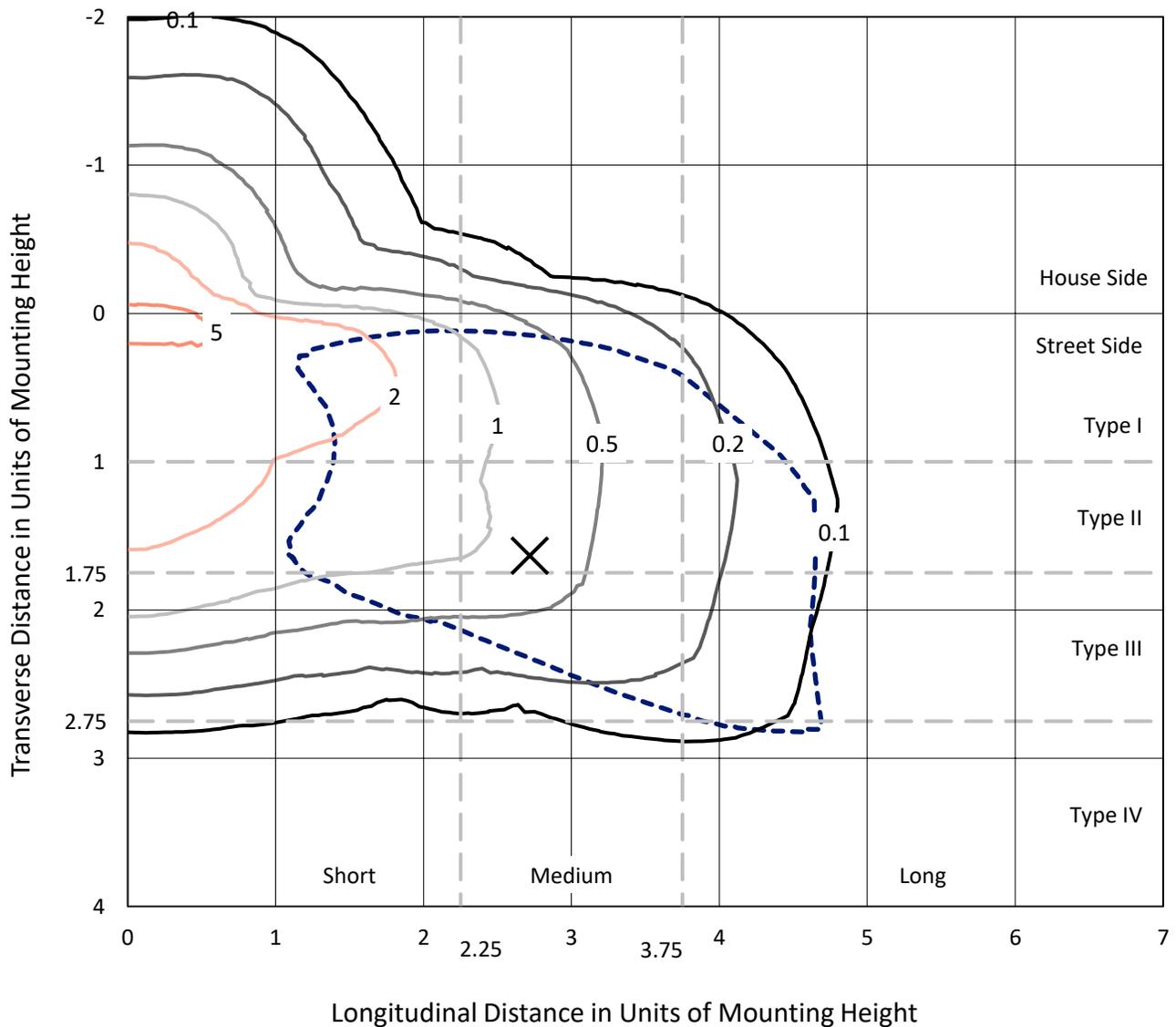


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

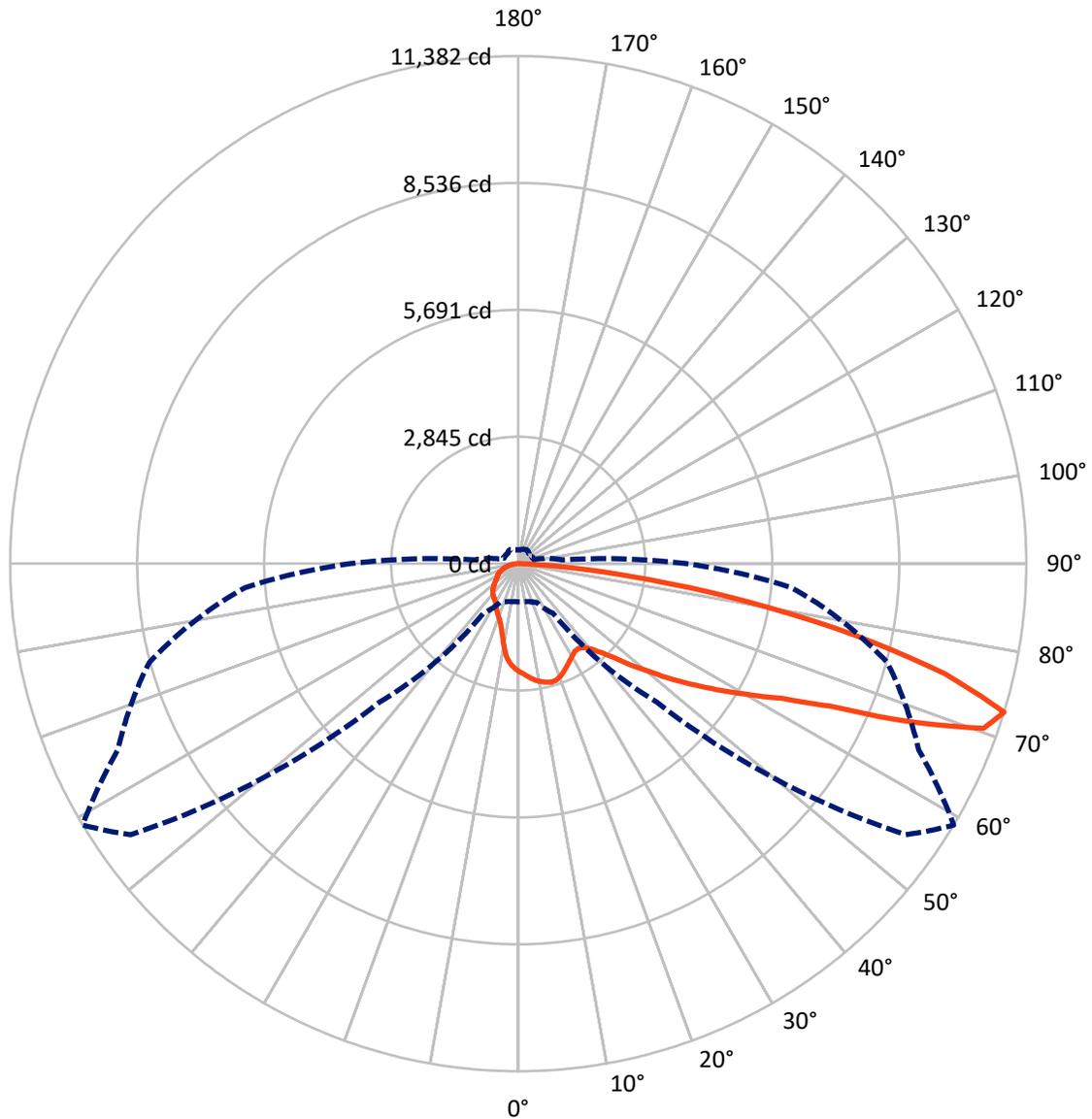


Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Medium - N/A

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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	2186.4	0.0	2186.4
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	10662.6	0.0	10662.6
	% Fixture	83.0	0.0	83.0
Total	Lumens	12849.0	0.0	12849.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	1.7
10°-20°	555.0	4.3
20°-30°	816.2	6.4
30°-40°	1121.5	8.7
40°-50°	1675.2	13.0
50°-60°	2553.0	19.9
60°-70°	3272.2	25.5
70°-80°	2262.0	17.6
80°-90°	376.3	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°	12849.0	100.0
0°-180°	12849.0	100.0



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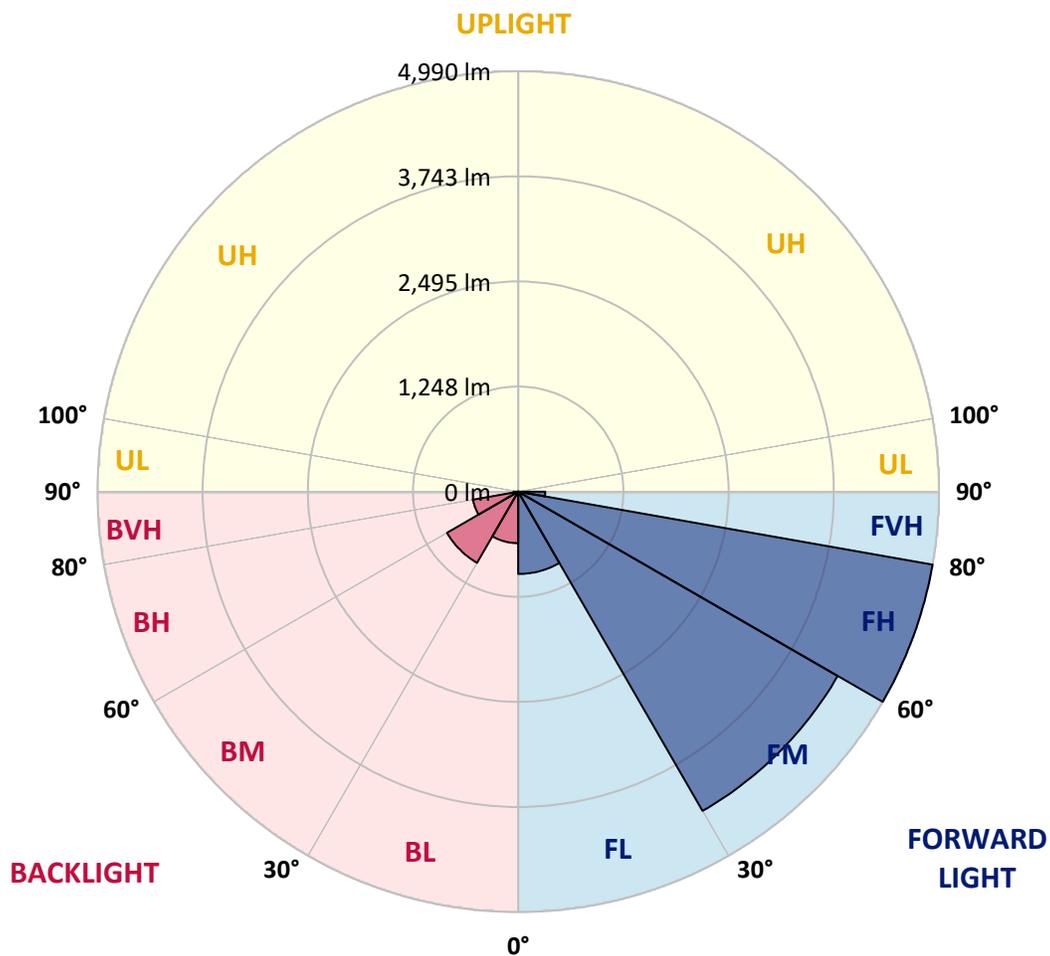
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	976.9	7.6			
FM (30°-60°)	4374.6	34.0			
FH (60°-80°)	4990.1	38.8			G2/5000
FVH (80°-90°)	321.0	2.5			G3/500
BL (0°-30°)	611.8	4.8	B2/1000		
BM (30°-60°)	975.2	7.6	B1/1000		
BH (60°-80°)	544.1	4.2	B2/1000		G2/1000
BVH (80°-90°)	55.3	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°	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2
2.5°	2522.5	2515.4	2518.9	2524.3	2510.0	2511.8	2494.0	2479.7	2469.0	2461.9	2445.9
5°	2584.8	2567.0	2574.1	2590.2	2574.1	2588.4	2568.8	2558.1	2540.3	2529.6	2494.0
7.5°	2533.2	2520.7	2538.5	2579.5	2599.1	2636.5	2640.1	2632.9	2625.8	2602.6	2558.1
10°	2294.5	2287.3	2333.7	2442.3	2533.2	2624.0	2684.6	2684.6	2688.2	2672.1	2618.7
12.5°	1991.6	1986.3	2046.8	2180.5	2358.6	2567.0	2711.3	2727.3	2755.9	2750.5	2682.8
15°	1790.3	1786.8	1834.9	1941.7	2125.2	2420.9	2707.8	2761.2	2820.0	2832.5	2748.7
17.5°	1687.0	1687.0	1720.8	1802.8	1929.3	2217.9	2629.4	2746.9	2866.3	2925.1	2823.5
20°	1658.5	1654.9	1674.5	1724.4	1811.7	2036.2	2511.8	2697.1	2901.9	2999.9	2871.6
22.5°	1672.8	1669.2	1676.3	1701.3	1751.1	1915.0	2385.3	2622.2	2921.5	3065.8	2914.4
25°	1742.2	1738.7	1729.8	1728.0	1738.7	1858.0	2257.1	2538.5	2941.1	3160.2	2966.1
27.5°	1877.6	1866.9	1836.6	1808.1	1779.6	1845.5	2175.1	2463.7	2966.1	3238.6	2998.1
30°	2052.2	2048.6	2011.2	1957.8	1863.4	1874.1	2123.4	2394.2	2966.1	3299.2	2996.3
32.5°	2180.5	2182.2	2175.1	2143.0	2009.4	1938.2	2103.9	2337.2	2960.7	3382.9	3003.5
35°	2315.8	2315.8	2298.0	2298.0	2210.7	2062.9	2132.4	2331.9	2991.0	3521.9	3055.1
37.5°	2545.6	2542.1	2504.7	2467.3	2403.1	2264.2	2216.1	2383.5	3074.7	3744.5	3124.6
40°	2848.5	2855.6	2779.0	2675.7	2600.9	2497.5	2372.8	2515.4	3204.8	4010.0	3213.7
42.5°	3213.7	3233.3	3113.9	2971.4	2841.4	2706.0	2592.0	2725.6	3434.6	4387.6	3366.9
45°	3662.6	3643.0	3493.4	3302.7	3131.7	2901.9	2832.5	2998.1	3733.8	4898.9	3602.0
47.5°	4052.7	4063.4	3879.9	3671.5	3459.5	3140.6	3137.1	3397.2	4129.3	5422.6	3872.8
50°	4432.2	4464.2	4261.1	4042.0	3815.8	3407.8	3521.9	3792.6	4553.3	5957.1	4207.7
52.5°	4729.7	4751.0	4562.2	4373.4	4148.9	3760.6	3976.1	4300.3	4982.6	6468.3	4592.5
55°	4964.8	4995.1	4783.1	4626.3	4455.3	4145.4	4496.3	4800.9	5428.0	6944.0	4986.2
57.5°	5283.7	5301.5	5034.3	4897.1	4736.8	4583.6	5068.1	5363.8	5905.4	7348.3	5394.1
60°	5527.7	5538.4	5262.3	5219.6	5216.0	5187.5	5704.1	5967.7	6354.3	7726.0	5811.0
62.5°	5315.7	5315.7	5125.1	5244.5	5677.4	6179.7	6585.9	6664.3	6817.5	8093.0	6211.8
65°	4211.3	4254.0	4275.4	4676.2	5643.5	7195.1	8048.4	7702.8	7396.4	8429.7	6539.6
67.5°	2210.7	2296.2	2494.0	3185.2	4653.1	7565.7	9922.5	9464.7	8217.7	8655.9	6667.8
70°	1125.9	1150.8	1254.1	1640.7	2928.6	6591.2	11035.9	11062.6	9197.5	8753.9	6575.2
72.5°	855.1	855.1	878.2	954.8	1353.9	4396.5	10599.4	11381.5	9899.3	8556.1	6138.8
75°	712.6	721.5	767.8	778.5	684.1	2282.0	8597.1	9874.4	9152.9	7831.1	5362.1
77.5°	571.8	577.2	650.2	693.0	461.4	976.2	6268.8	7706.4	7058.0	6329.4	3776.6
80°	431.1	440.0	505.9	593.2	342.0	468.5	4223.7	5271.2	4416.1	3879.9	1744.0
82.5°	288.6	292.2	345.6	468.5	253.0	260.1	2488.6	2953.6	2146.6	1453.6	457.8
85°	176.4	179.9	215.6	302.8	167.5	139.0	1104.5	1141.9	678.7	345.6	163.9
87.5°	80.2	89.1	112.2	146.1	83.7	57.0	185.3	181.7	133.6	124.7	69.5
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°	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2	2419.2
2.5°	2422.7	2403.1	2383.5	2356.8	2333.7	2294.5	2267.7	2241.0	2226.8	2223.2	2217.9
5°	2465.5	2431.6	2374.6	2299.8	2217.9	2125.2	2037.9	1961.3	1909.7	1893.6	1900.8
7.5°	2515.4	2467.3	2355.0	2210.7	2045.1	1863.4	1710.2	1610.4	1548.1	1512.4	1519.5
10°	2559.9	2490.4	2312.3	2070.0	1786.8	1558.7	1437.6	1368.1	1336.1	1332.5	1330.7
12.5°	2604.4	2513.6	2246.4	1868.7	1555.2	1375.3	1314.7	1295.1	1291.5	1295.1	1293.3
15°	2656.1	2526.0	2134.1	1660.3	1391.3	1298.7	1279.1	1273.7	1275.5	1284.4	1282.6
17.5°	2698.8	2520.7	1959.6	1471.5	1304.0	1261.2	1243.4	1234.5	1243.4	1259.5	1259.5
20°	2713.1	2469.0	1758.3	1339.6	1255.9	1220.3	1195.3	1181.1	1191.8	1211.4	1214.9
22.5°	2702.4	2371.1	1551.6	1247.0	1206.0	1172.2	1145.5	1131.2	1136.5	1150.8	1152.6
25°	2686.4	2242.8	1369.9	1175.7	1141.9	1115.2	1108.0	1090.2	1081.3	1090.2	1092.0
27.5°	2638.3	2073.6	1220.3	1102.7	1070.6	1074.2	1070.6	1054.6	1042.1	1040.3	1043.9
30°	2531.4	1838.4	1108.0	1027.9	1017.2	1036.8	1036.8	1013.6	990.5	986.9	992.2
32.5°	2403.1	1597.9	1015.4	965.5	986.9	997.6	997.6	978.0	954.8	940.6	947.7
35°	2276.7	1369.9	944.2	922.8	963.7	972.7	963.7	956.6	919.2	883.6	892.5
37.5°	2130.6	1174.0	881.8	890.7	937.0	940.6	940.6	915.6	865.8	835.5	842.6
40°	1972.0	1026.1	830.1	862.2	908.5	908.5	894.3	878.2	853.3	823.0	826.6
42.5°	1870.5	926.3	790.9	831.9	864.0	874.7	842.6	855.1	833.7	801.6	805.2
45°	1856.2	864.0	758.9	785.6	814.1	810.5	812.3	821.2	801.6	758.9	757.1
47.5°	1943.5	844.4	728.6	733.9	758.9	771.4	782.0	785.6	757.1	710.8	703.7
50°	2137.7	878.2	698.3	687.6	709.0	737.5	748.2	753.5	719.7	671.6	664.5
52.5°	2437.0	983.3	671.6	648.4	646.7	696.5	726.8	741.1	687.6	636.0	632.4
55°	2768.3	1125.9	636.0	614.6	595.0	664.5	709.0	725.0	657.3	589.6	584.3
57.5°	3121.0	1295.1	595.0	580.7	557.6	634.2	676.9	689.4	611.0	534.4	530.9
60°	3489.8	1446.5	555.8	543.3	530.9	593.2	637.7	641.3	568.3	491.7	488.1
62.5°	3822.9	1549.8	518.4	504.1	504.1	545.1	591.4	587.9	523.7	452.5	448.9
65°	4068.8	1537.4	484.5	466.7	473.9	493.5	534.4	522.0	475.6	415.1	411.5
67.5°	4168.5	1405.5	452.5	432.9	434.7	440.0	473.9	464.9	427.5	377.7	375.9
70°	4065.2	1168.6	411.5	386.6	383.0	384.8	418.6	402.6	375.9	343.8	342.0
72.5°	3757.0	979.8	365.2	343.8	336.7	331.3	359.8	352.7	333.1	306.4	308.2
75°	3293.8	846.2	315.3	301.1	288.6	283.2	306.4	302.8	288.6	270.8	270.8
77.5°	2301.6	618.2	260.1	254.7	247.6	236.9	254.7	256.5	247.6	242.3	240.5
80°	997.6	345.6	204.9	208.4	199.5	192.4	206.6	208.4	215.6	208.4	210.2
82.5°	288.6	171.0	147.9	158.5	155.0	147.9	155.0	171.0	160.3	140.7	144.3
85°	106.9	81.9	92.6	99.8	94.4	74.8	98.0	112.2	101.5	94.4	96.2
87.5°	41.0	30.3	39.2	33.8	26.7	19.6	33.8	37.4	49.9	19.6	16.0
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)