

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: P1209637

Luminaire Tested: UPW-SA2-130-827-U-SL3

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209637  
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-SA2-130-827-U-SL3  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 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: 11295 lumens  
Efficiency: N/A  
Efficacy: 88.2 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): 128  
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

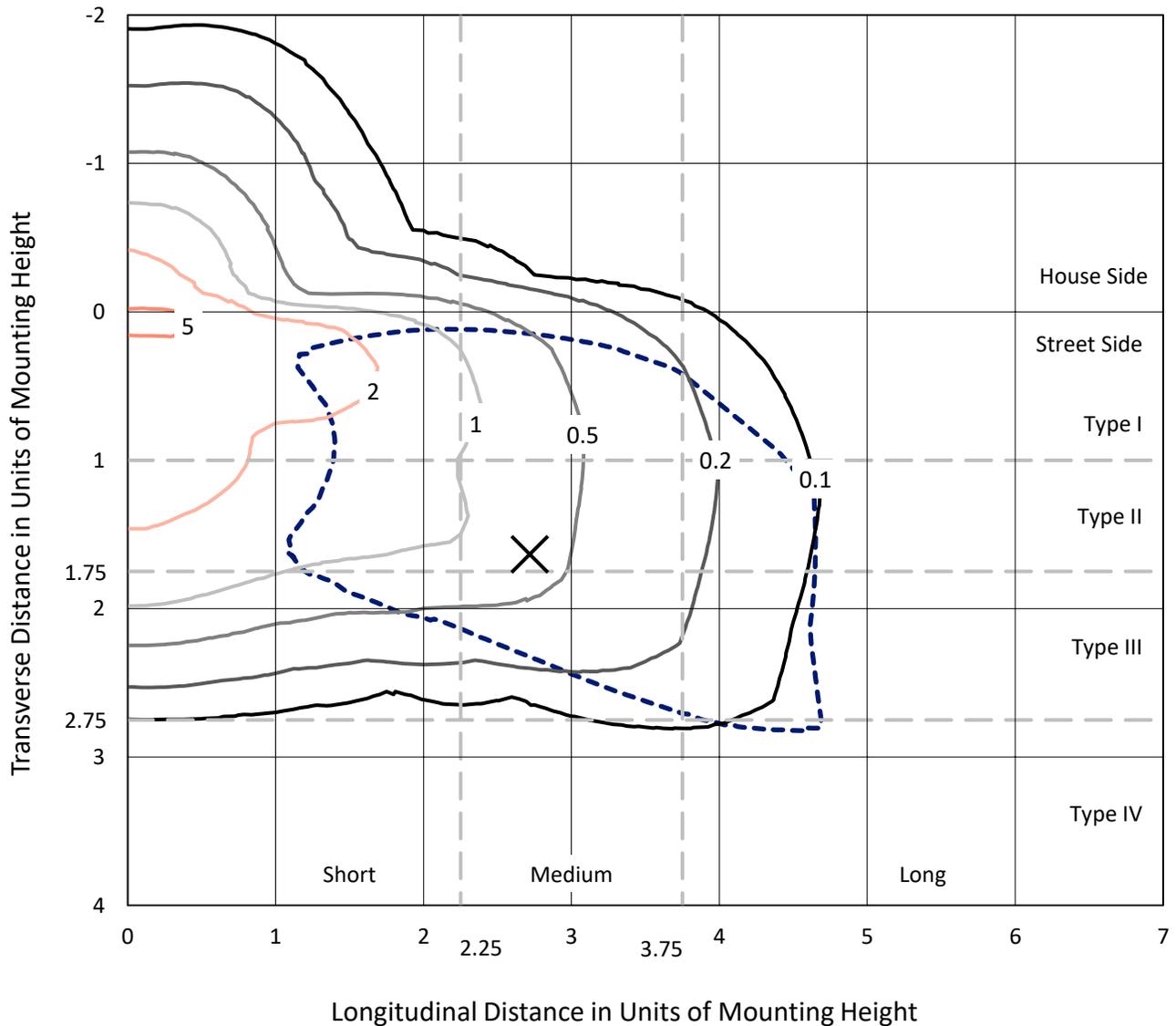


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

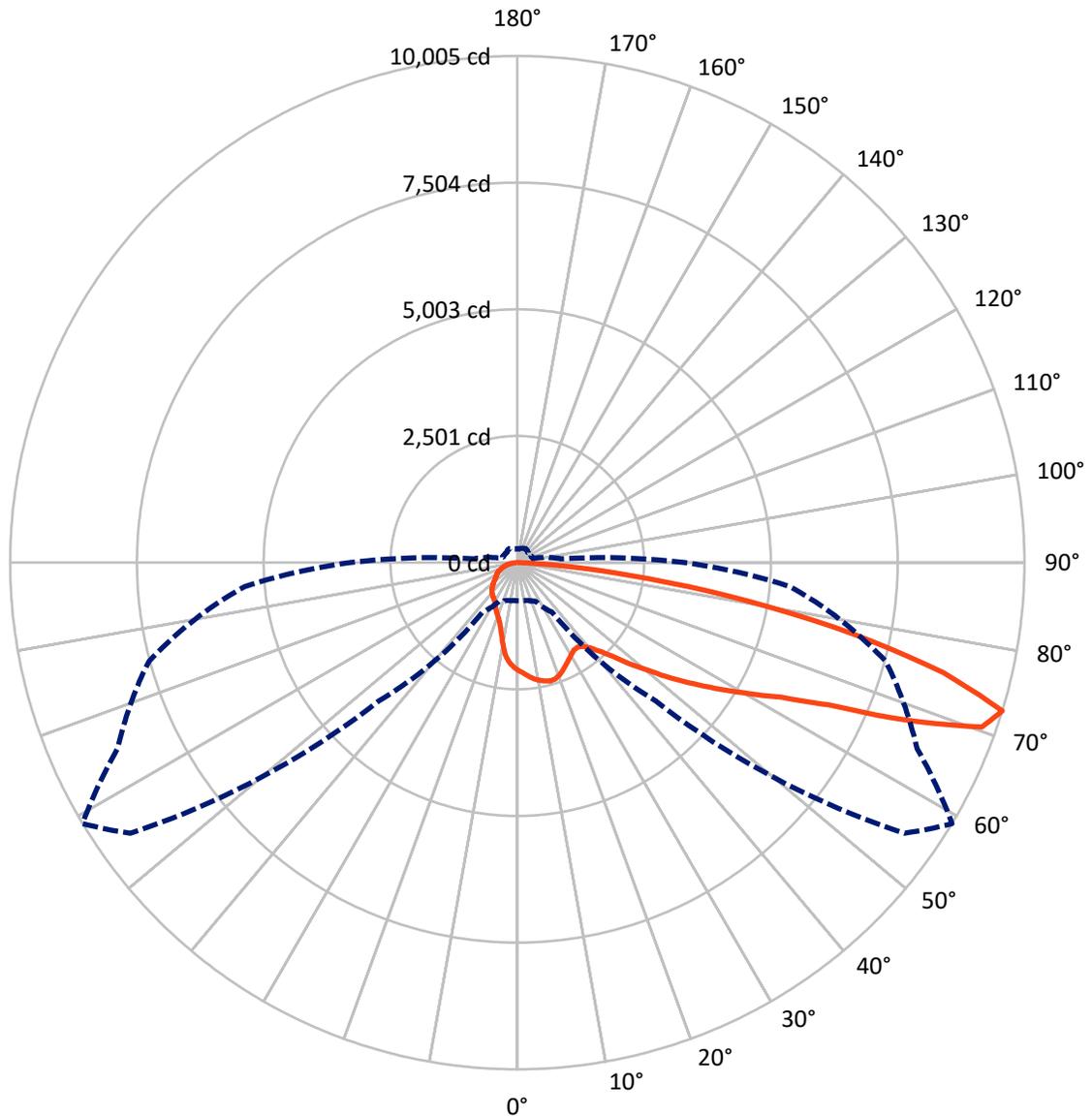


Based on 20 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Medium - N/A

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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
<b>House Side</b>	Lumens	1922.0	0.0	1922.0
	% Fixture	17.0	0.0	17.0
<b>Street Side</b>	Lumens	9373.0	0.0	9373.0
	% Fixture	83.0	0.0	83.0
<b>Total</b>	Lumens	11295.0	0.0	11295.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.2	1.7
10°-20°	487.9	4.3
20°-30°	717.5	6.4
30°-40°	985.9	8.7
40°-50°	1472.6	13.0
50°-60°	2244.2	19.9
60°-70°	2876.4	25.5
70°-80°	1988.4	17.6
80°-90°	330.8	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°	11295.0	100.0
0°-180°	11295.0	100.0



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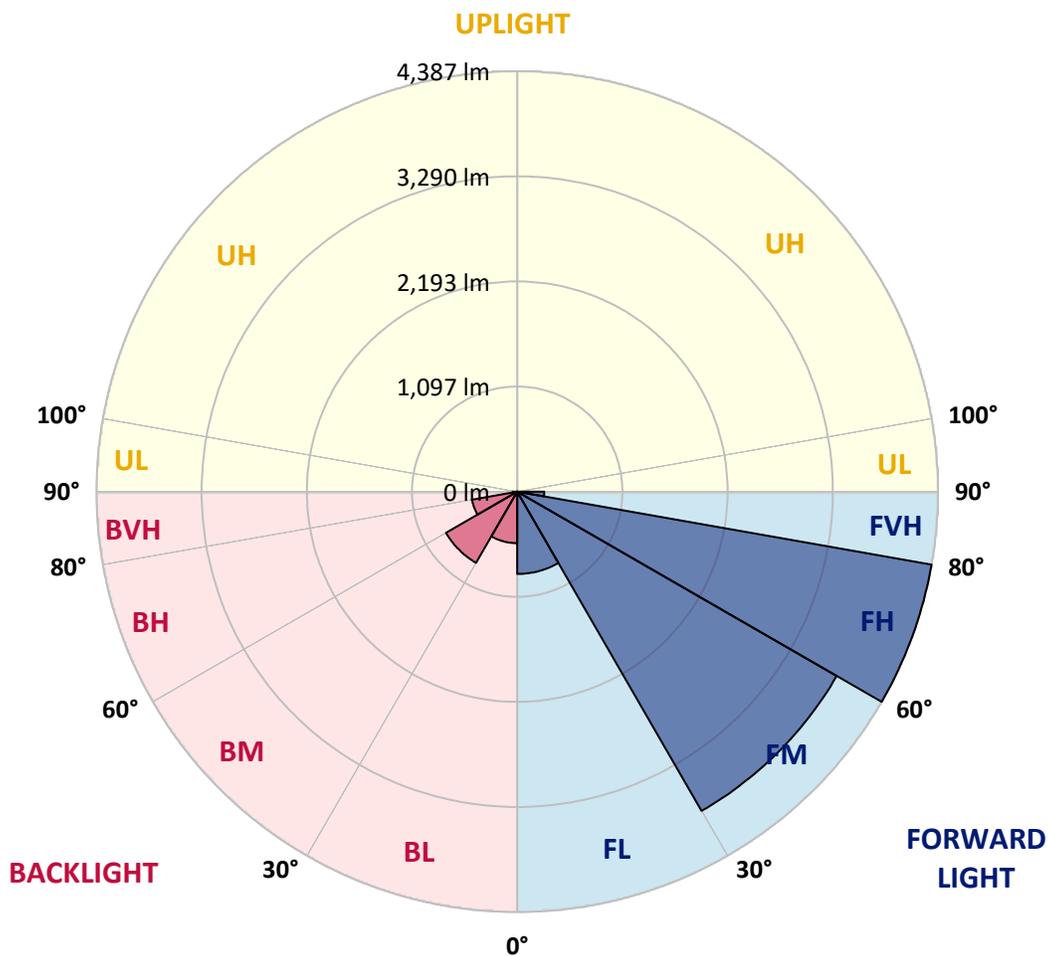
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	858.8	7.6			
FM	(30°-60°)	3845.5	34.0			
FH	(60°-80°)	4386.6	38.8			G2/5000
FVH	(80°-90°)	282.2	2.5			G3/500
BL	(0°-30°)	537.8	4.8	B2/1000		
BM	(30°-60°)	857.2	7.6	B1/1000		
BH	(60°-80°)	478.3	4.2	B1/500		G1/500
BVH	(80°-90°)	48.6	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°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2217.4	2211.1	2214.3	2219.0	2206.4	2208.0	2192.4	2179.8	2170.4	2164.2	2150.1
5°	2272.2	2256.6	2262.8	2276.9	2262.8	2275.3	2258.1	2248.7	2233.1	2223.7	2192.4
7.5°	2226.8	2215.8	2231.5	2267.5	2284.7	2317.6	2320.8	2314.5	2308.2	2287.9	2248.7
10°	2017.0	2010.7	2051.4	2146.9	2226.8	2306.7	2359.9	2359.9	2363.0	2348.9	2302.0
12.5°	1750.8	1746.1	1799.3	1916.7	2073.3	2256.6	2383.4	2397.5	2422.5	2417.9	2358.3
15°	1573.8	1570.7	1612.9	1706.9	1868.2	2128.1	2380.3	2427.2	2478.9	2489.9	2416.3
17.5°	1483.0	1483.0	1512.7	1584.8	1695.9	1949.6	2311.4	2414.7	2519.6	2571.3	2482.1
20°	1457.9	1454.8	1472.0	1515.9	1592.6	1789.9	2208.0	2370.9	2551.0	2637.1	2524.3
22.5°	1470.4	1467.3	1473.6	1495.5	1539.3	1683.4	2096.8	2305.1	2568.2	2695.0	2561.9
25°	1531.5	1528.4	1520.6	1519.0	1528.4	1633.3	1984.1	2231.5	2585.4	2778.0	2607.3
27.5°	1650.5	1641.1	1614.5	1589.5	1564.4	1622.3	1912.0	2165.7	2607.3	2846.9	2635.5
30°	1804.0	1800.9	1768.0	1721.0	1638.0	1647.4	1866.6	2104.7	2607.3	2900.2	2634.0
32.5°	1916.7	1918.3	1912.0	1883.9	1766.4	1703.8	1849.4	2054.5	2602.6	2973.8	2640.2
35°	2035.8	2035.8	2020.1	2020.1	1943.4	1813.4	1874.5	2049.8	2629.3	3095.9	2685.6
37.5°	2237.8	2234.6	2201.7	2168.9	2112.5	1990.3	1948.1	2095.3	2702.9	3291.7	2746.7
40°	2504.0	2510.2	2442.9	2352.1	2286.3	2195.5	2085.9	2211.1	2817.2	3525.0	2825.0
42.5°	2825.0	2842.2	2737.3	2612.0	2497.7	2378.7	2278.5	2395.9	3019.2	3857.0	2959.7
45°	3219.6	3202.4	3070.9	2903.3	2753.0	2551.0	2489.9	2635.5	3282.3	4306.4	3166.4
47.5°	3562.6	3572.0	3410.7	3227.5	3041.1	2760.8	2757.7	2986.3	3629.9	4766.8	3404.4
50°	3896.1	3924.3	3745.8	3553.2	3354.3	2995.7	3095.9	3333.9	4002.6	5236.6	3698.8
52.5°	4157.6	4176.4	4010.4	3844.4	3647.1	3305.8	3495.2	3780.2	4380.0	5686.0	4037.1
55°	4364.3	4391.0	4204.6	4066.8	3916.5	3644.0	3952.5	4220.3	4771.5	6104.1	4383.1
57.5°	4644.7	4660.3	4425.4	4304.8	4163.9	4029.2	4455.2	4715.1	5191.2	6459.6	4741.7
60°	4859.2	4868.6	4625.9	4588.3	4585.1	4560.1	5014.2	5246.0	5585.8	6791.6	5108.2
62.5°	4672.8	4672.8	4505.3	4610.2	4990.7	5432.3	5789.4	5858.3	5993.0	7114.2	5460.5
65°	3701.9	3739.5	3758.3	4110.7	4961.0	6324.9	7075.0	6771.2	6501.9	7410.2	5748.7
67.5°	1943.4	2018.5	2192.4	2799.9	4090.3	6650.7	8722.4	8320.0	7223.8	7609.0	5861.4
70°	989.7	1011.6	1102.4	1442.3	2574.4	5794.1	9701.2	9724.7	8085.1	7695.2	5780.0
72.5°	751.7	751.7	772.0	839.4	1190.1	3864.8	9317.5	10005.0	8702.1	7521.3	5396.3
75°	626.4	634.2	674.9	684.3	601.3	2006.0	7557.4	8680.2	8045.9	6884.0	4713.6
77.5°	502.7	507.4	571.6	609.2	405.6	858.1	5510.6	6774.4	6204.4	5563.9	3319.8
80°	379.0	386.8	444.7	521.5	300.7	411.8	3712.9	4633.7	3882.0	3410.7	1533.1
82.5°	253.7	256.8	303.8	411.8	222.4	228.6	2187.7	2596.4	1887.0	1277.8	402.5
85°	155.0	158.2	189.5	266.2	147.2	122.1	970.9	1003.8	596.6	303.8	144.1
87.5°	70.5	78.3	98.7	128.4	73.6	50.1	162.9	159.7	117.4	109.6	61.1
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°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2129.7	2112.5	2095.3	2071.8	2051.4	2017.0	1993.5	1970.0	1957.5	1954.3	1949.6
5°	2167.3	2137.5	2087.4	2021.7	1949.6	1868.2	1791.5	1724.1	1678.7	1664.6	1670.9
7.5°	2211.1	2168.9	2070.2	1943.4	1797.7	1638.0	1503.3	1415.6	1360.8	1329.5	1335.8
10°	2250.3	2189.2	2032.6	1819.7	1570.7	1370.2	1263.7	1202.7	1174.5	1171.3	1169.8
12.5°	2289.4	2209.6	1974.7	1642.7	1367.1	1208.9	1155.7	1138.5	1135.3	1138.5	1136.9
15°	2334.9	2220.5	1876.0	1459.5	1223.0	1141.6	1124.4	1119.7	1121.2	1129.1	1127.5
17.5°	2372.4	2215.8	1722.6	1293.5	1146.3	1108.7	1093.0	1085.2	1093.0	1107.1	1107.1
20°	2385.0	2170.4	1545.6	1177.6	1104.0	1072.7	1050.8	1038.2	1047.6	1064.9	1068.0
22.5°	2375.6	2084.3	1364.0	1096.2	1060.2	1030.4	1006.9	994.4	999.1	1011.6	1013.2
25°	2361.5	1971.6	1204.2	1033.5	1003.8	980.3	974.0	958.4	950.5	958.4	959.9
27.5°	2319.2	1822.8	1072.7	969.3	941.1	944.3	941.1	927.1	916.1	914.5	917.7
30°	2225.2	1616.1	974.0	903.6	894.2	911.4	911.4	891.0	870.7	867.5	872.2
32.5°	2112.5	1404.7	892.6	848.8	867.5	876.9	876.9	859.7	839.4	826.8	833.1
35°	2001.3	1204.2	830.0	811.2	847.2	855.0	847.2	840.9	808.0	776.7	784.5
37.5°	1872.9	1032.0	775.2	783.0	823.7	826.8	826.8	804.9	761.1	734.4	740.7
40°	1733.5	902.0	729.7	757.9	798.6	798.6	786.1	772.0	750.1	723.5	726.6
42.5°	1644.3	814.3	695.3	731.3	759.5	768.9	740.7	751.7	732.9	704.7	707.8
45°	1631.7	759.5	667.1	690.6	715.6	712.5	714.1	721.9	704.7	667.1	665.5
47.5°	1708.5	742.3	640.5	645.2	667.1	678.1	687.5	690.6	665.5	624.8	618.6
50°	1879.2	772.0	613.9	604.5	623.3	648.3	657.7	662.4	632.7	590.4	584.1
52.5°	2142.2	864.4	590.4	570.0	568.4	612.3	638.9	651.4	604.5	559.0	555.9
55°	2433.5	989.7	559.0	540.3	523.0	584.1	623.3	637.3	577.8	518.3	513.6
57.5°	2743.6	1138.5	523.0	510.5	490.1	557.5	595.1	606.0	537.1	469.8	466.7
60°	3067.7	1271.6	488.6	477.6	466.7	521.5	560.6	563.7	499.5	432.2	429.1
62.5°	3360.6	1362.4	455.7	443.2	443.2	479.2	519.9	516.8	460.4	397.8	394.6
65°	3576.7	1351.4	425.9	410.3	416.5	433.8	469.8	458.8	418.1	364.9	361.7
67.5°	3664.4	1235.5	397.8	380.5	382.1	386.8	416.5	408.7	375.8	332.0	330.4
70°	3573.5	1027.3	361.7	339.8	336.7	338.2	368.0	353.9	330.4	302.2	300.7
72.5°	3302.6	861.3	321.0	302.2	296.0	291.3	316.3	310.1	292.8	269.3	270.9
75°	2895.5	743.8	277.2	264.6	253.7	249.0	269.3	266.2	253.7	238.0	238.0
77.5°	2023.2	543.4	228.6	223.9	217.7	208.3	223.9	225.5	217.7	213.0	211.4
80°	876.9	303.8	180.1	183.2	175.4	169.1	181.7	183.2	189.5	183.2	184.8
82.5°	253.7	150.3	130.0	139.4	136.2	130.0	136.2	150.3	140.9	123.7	126.8
85°	94.0	72.0	81.4	87.7	83.0	65.8	86.1	98.7	89.3	83.0	84.6
87.5°	36.0	26.6	34.5	29.8	23.5	17.2	29.8	32.9	43.8	17.2	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)