

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: P1209477

Luminaire Tested: UPW-SA2-130-727-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-727-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13215 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
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

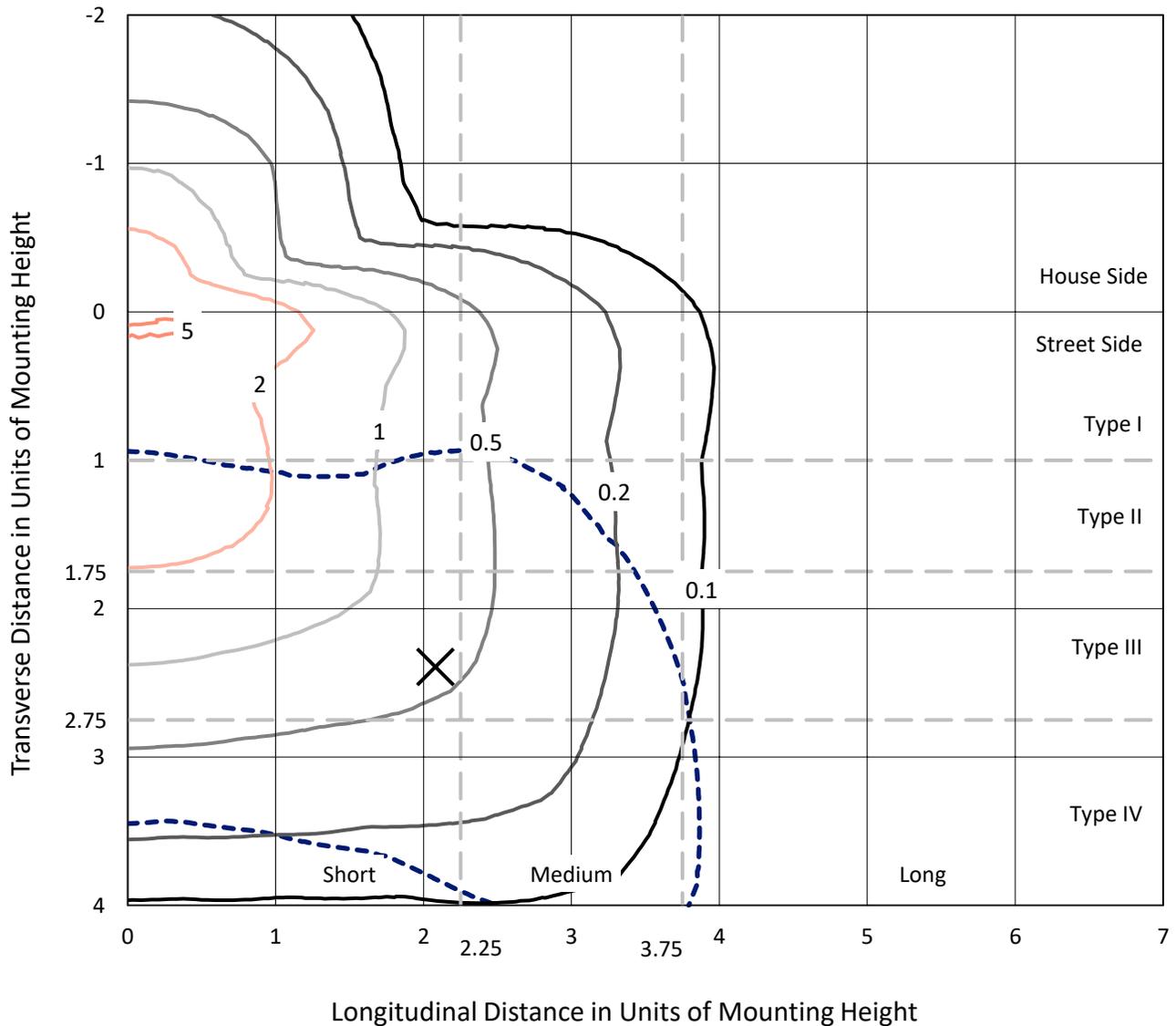


REPORT NUMBER: P1209477

CATALOG NUMBER: UPW-SA2-130-727-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

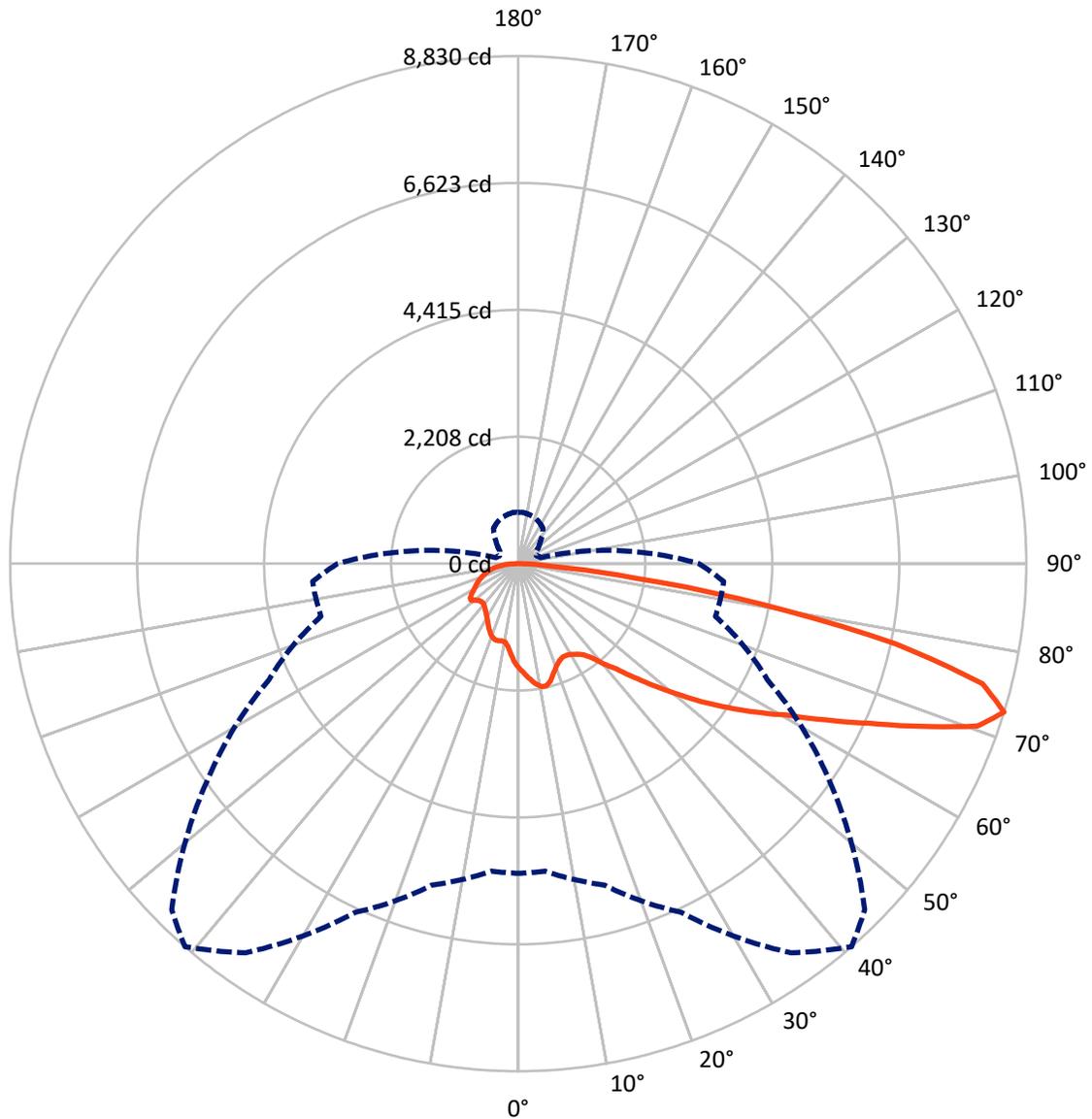


Based on 20 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P1209477

CATALOG NUMBER: UPW-SA2-130-727-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1209477

CATALOG NUMBER: UPW-SA2-130-727-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2859.5	0.0	2859.5
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	10355.5	0.0	10355.5
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	13215.0	0.0	13215.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.3	1.3
10°-20°	521.9	3.9
20°-30°	802.2	6.1
30°-40°	1102.7	8.3
40°-50°	1680.3	12.7
50°-60°	2481.4	18.8
60°-70°	3258.8	24.7
70°-80°	2792.1	21.1
80°-90°	402.3	3.0
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°	13215.0	100.0
0°-180°	13215.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P1209477

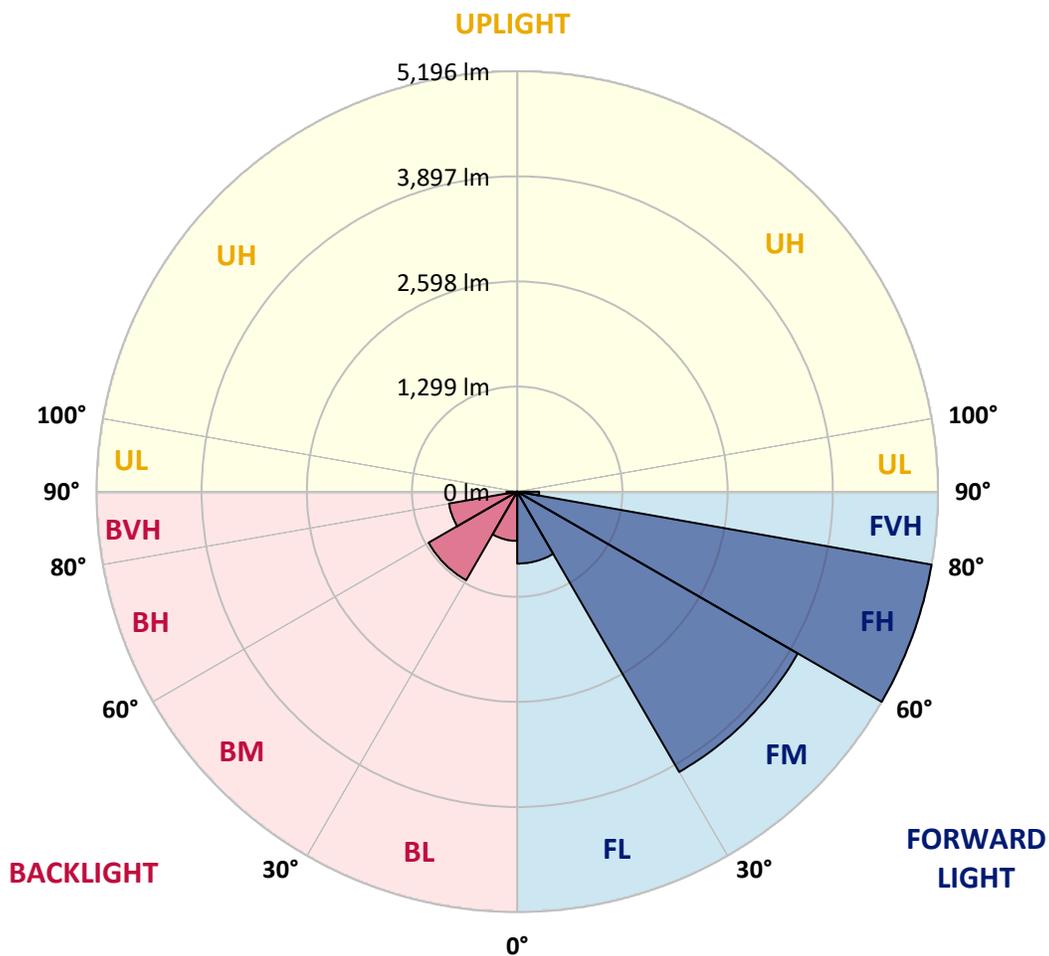
CATALOG NUMBER: UPW-SA2-130-727-U-SL4

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	888.8	6.7			
FM	(30°-60°)	4000.6	30.3			
FH	(60°-80°)	5195.9	39.3			G3/7500
FVH	(80°-90°)	270.2	2.0			G3/500
BL	(0°-30°)	608.6	4.6	B2/1000		
BM	(30°-60°)	1263.8	9.6	B2/2500		
BH	(60°-80°)	855.0	6.5	B2/1000		G2/1000
BVH	(80°-90°)	132.1	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





REPORT NUMBER: P1209477

CATALOG NUMBER: UPW-SA2-130-727-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1934.1	1928.3	1928.3	1923.9	1916.6	1906.5	1905.0	1891.9	1878.8	1860.0	1841.1
5°	2046.0	2037.2	2034.3	2028.5	2021.3	2006.7	2008.2	1984.9	1957.3	1921.0	1883.2
7.5°	2125.9	2120.1	2118.6	2120.1	2109.9	2102.6	2102.6	2075.0	2047.4	2008.2	1950.1
10°	2153.5	2146.2	2152.0	2165.1	2175.3	2173.8	2181.1	2170.9	2150.6	2117.2	2035.8
12.5°	2104.1	2104.1	2107.0	2124.4	2157.8	2184.0	2207.2	2249.4	2268.3	2239.2	2137.5
15°	2028.5	2024.2	2019.8	2027.1	2067.8	2111.3	2160.7	2274.1	2356.9	2355.5	2245.0
17.5°	1983.5	1980.6	1950.1	1921.0	1942.8	1993.6	2056.1	2237.8	2413.6	2461.5	2352.6
20°	1957.3	1951.5	1915.2	1857.1	1848.3	1900.6	1948.6	2163.7	2422.3	2563.3	2454.3
22.5°	1935.5	1932.6	1886.1	1809.1	1787.3	1830.9	1880.3	2073.6	2390.3	2630.1	2544.4
25°	1945.7	1939.9	1881.8	1790.2	1764.1	1800.4	1844.0	2002.4	2333.7	2667.9	2617.0
27.5°	1995.1	1995.1	1918.1	1809.1	1775.7	1800.4	1833.8	1963.1	2272.6	2678.0	2683.9
30°	2108.4	2104.1	2006.7	1874.5	1820.7	1830.9	1854.1	1950.1	2213.1	2659.2	2727.5
32.5°	2307.5	2293.0	2172.4	1992.2	1887.6	1877.4	1881.8	1941.3	2152.0	2625.7	2769.6
35°	2669.3	2630.1	2445.6	2200.0	2006.7	1944.2	1926.8	1950.1	2115.7	2602.5	2808.8
37.5°	3151.8	3096.5	2868.4	2521.1	2213.1	2079.4	2019.8	1992.2	2109.9	2574.9	2846.6
40°	3610.9	3577.5	3307.2	2901.8	2480.4	2293.0	2195.6	2056.1	2117.2	2557.4	2898.9
42.5°	4196.5	4142.8	3828.9	3301.4	2774.0	2503.7	2362.7	2141.9	2163.7	2569.1	2958.5
45°	4827.2	4817.0	4426.1	3792.6	3140.1	2816.1	2637.4	2303.2	2253.7	2615.6	3047.1
47.5°	5508.7	5462.2	5052.4	4363.6	3555.7	3166.3	2945.4	2489.1	2383.1	2694.0	3164.8
50°	6088.5	6055.0	5633.6	4891.1	4009.1	3549.9	3292.7	2714.4	2544.4	2800.1	3288.3
52.5°	6398.0	6373.3	6114.6	5446.2	4474.1	3984.4	3613.8	2949.8	2746.3	2932.3	3423.5
55°	6323.9	6309.3	6307.9	5864.7	4981.2	4421.8	3980.0	3201.2	2978.8	3090.7	3583.3
57.5°	6303.5	6278.8	6291.9	6153.8	5463.6	4873.7	4386.9	3513.6	3269.5	3281.1	3750.4
60°	6323.9	6309.3	6383.4	6332.6	5917.0	5347.4	4860.6	3892.8	3573.2	3475.8	3900.1
62.5°	6512.8	6477.9	6536.0	6643.5	6411.0	5989.6	5459.3	4344.7	3910.3	3622.6	4016.3
65°	6801.9	6736.5	6755.4	7027.2	6993.7	6690.0	6169.8	4933.2	4227.0	3740.3	4070.1
67.5°	6884.8	6863.0	6912.4	7259.7	7606.9	7554.6	7070.7	5582.8	4536.6	3807.1	4009.1
70°	6543.3	6515.7	6736.5	7272.7	8210.0	8465.7	8016.7	6209.1	4801.0	3782.4	3869.6
72.5°	5386.6	5369.2	5789.1	6692.9	8265.2	8830.4	8516.6	6607.2	4779.2	3548.5	3586.2
75°	3484.5	3426.4	4100.6	5263.1	7416.6	8332.0	8109.7	6105.9	4186.4	3154.7	3089.3
77.5°	1232.2	1384.8	1771.3	3130.0	5635.1	6706.0	6334.0	4580.1	3092.2	2311.9	2176.7
80°	430.1	451.9	565.3	1172.6	3048.6	4295.3	3996.0	2654.8	1652.2	1204.6	1155.2
82.5°	252.8	264.5	296.4	430.1	1121.8	2040.1	1703.0	1114.5	604.5	517.3	453.4
85°	85.7	91.5	154.0	220.9	398.1	590.0	530.4	286.3	233.9	209.2	135.1
87.5°	17.4	20.3	33.4	72.7	133.7	151.1	114.8	69.7	97.4	97.4	46.5
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: P1209477

CATALOG NUMBER: UPW-SA2-130-727-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1828.0	1814.9	1791.7	1769.9	1746.6	1729.2	1707.4	1689.9	1692.9	1682.7	1679.8
5°	1858.5	1830.9	1775.7	1717.6	1658.0	1601.3	1553.4	1514.1	1492.3	1480.7	1479.2
7.5°	1907.9	1865.8	1767.0	1660.9	1549.0	1472.0	1421.1	1396.4	1393.5	1390.6	1386.3
10°	1984.9	1918.1	1764.1	1594.0	1453.1	1386.3	1377.5	1395.0	1419.7	1432.7	1432.7
12.5°	2066.3	1980.6	1762.6	1525.7	1379.0	1357.2	1396.4	1445.8	1486.5	1505.4	1502.5
15°	2153.5	2043.0	1740.8	1448.7	1326.7	1358.6	1426.9	1480.7	1522.8	1540.3	1541.7
17.5°	2246.5	2099.7	1704.5	1364.5	1288.9	1355.7	1425.5	1472.0	1509.8	1522.8	1519.9
20°	2326.4	2150.6	1653.6	1278.7	1255.5	1328.1	1390.6	1425.5	1447.3	1450.2	1450.2
22.5°	2391.8	2186.9	1579.5	1198.8	1209.0	1280.2	1328.1	1347.0	1355.7	1360.1	1358.6
25°	2455.7	2211.6	1495.2	1124.7	1153.8	1216.2	1251.1	1268.5	1274.4	1278.7	1281.6
27.5°	2499.3	2223.2	1396.4	1043.3	1089.8	1143.6	1177.0	1194.4	1207.5	1216.2	1216.2
30°	2529.8	2216.0	1293.3	982.3	1034.6	1079.6	1118.9	1142.1	1161.0	1171.2	1172.6
32.5°	2558.9	2207.2	1188.6	921.3	979.4	1027.3	1072.4	1107.3	1133.4	1145.0	1149.4
35°	2580.7	2188.4	1078.2	874.8	928.5	979.4	1030.2	1073.8	1107.3	1127.6	1132.0
37.5°	2602.5	2169.5	976.5	825.4	884.9	940.2	998.3	1040.4	1079.6	1107.3	1116.0
40°	2633.0	2156.4	886.4	781.8	851.5	912.5	964.9	1014.3	1059.3	1084.0	1092.7
42.5°	2675.1	2147.7	809.4	749.8	825.4	895.1	950.3	1014.3	1069.5	1081.1	1086.9
45°	2731.8	2147.7	746.9	723.6	812.3	895.1	963.4	1033.1	1076.7	1072.4	1076.7
47.5°	2794.3	2147.7	697.5	700.4	806.5	906.7	983.7	1068.0	1114.5	1127.6	1136.3
50°	2881.5	2147.7	658.3	680.0	796.3	925.6	1052.0	1137.8	1165.4	1169.7	1172.6
52.5°	2977.4	2166.6	629.2	659.7	793.4	986.6	1105.8	1134.9	1133.4	1120.3	1118.9
55°	3092.2	2200.0	603.0	636.5	803.6	998.3	1070.9	1079.6	1052.0	1027.3	1021.5
57.5°	3208.4	2242.1	576.9	607.4	762.9	927.1	1014.3	1007.0	1005.5	992.5	991.0
60°	3336.3	2290.1	547.8	559.4	681.5	858.8	937.2	993.9	1009.9	996.8	993.9
62.5°	3430.8	2345.3	517.3	507.1	611.8	797.7	909.6	980.8	1011.4	1011.4	1009.9
65°	3475.8	2372.9	488.2	459.2	552.2	733.8	883.5	944.5	982.3	992.5	989.6
67.5°	3423.5	2335.1	466.4	418.5	495.5	668.4	841.3	898.0	947.4	963.4	961.9
70°	3333.4	2304.6	449.0	376.4	446.1	598.7	799.2	860.2	909.6	937.2	934.3
72.5°	3137.2	2197.1	405.4	340.0	390.9	543.5	748.3	819.5	866.0	896.6	895.1
75°	2692.6	1931.2	338.6	306.6	331.3	489.7	693.1	773.0	806.5	835.5	834.1
77.5°	1984.9	1451.6	265.9	258.7	277.5	433.0	623.4	701.8	728.0	749.8	745.4
80°	1046.2	850.1	209.2	212.2	229.6	373.4	553.6	613.2	635.0	646.6	637.9
82.5°	456.3	367.6	155.5	168.6	180.2	299.3	456.3	508.6	523.1	514.4	489.7
85°	145.3	100.3	93.0	110.4	122.1	199.1	354.6	395.2	419.9	393.8	388.0
87.5°	36.3	33.4	39.2	56.7	63.9	110.4	241.2	249.9	283.4	87.2	81.4
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)