

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: P1208609

Luminaire Tested: UPW-SA1-070-750-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-750-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7948 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

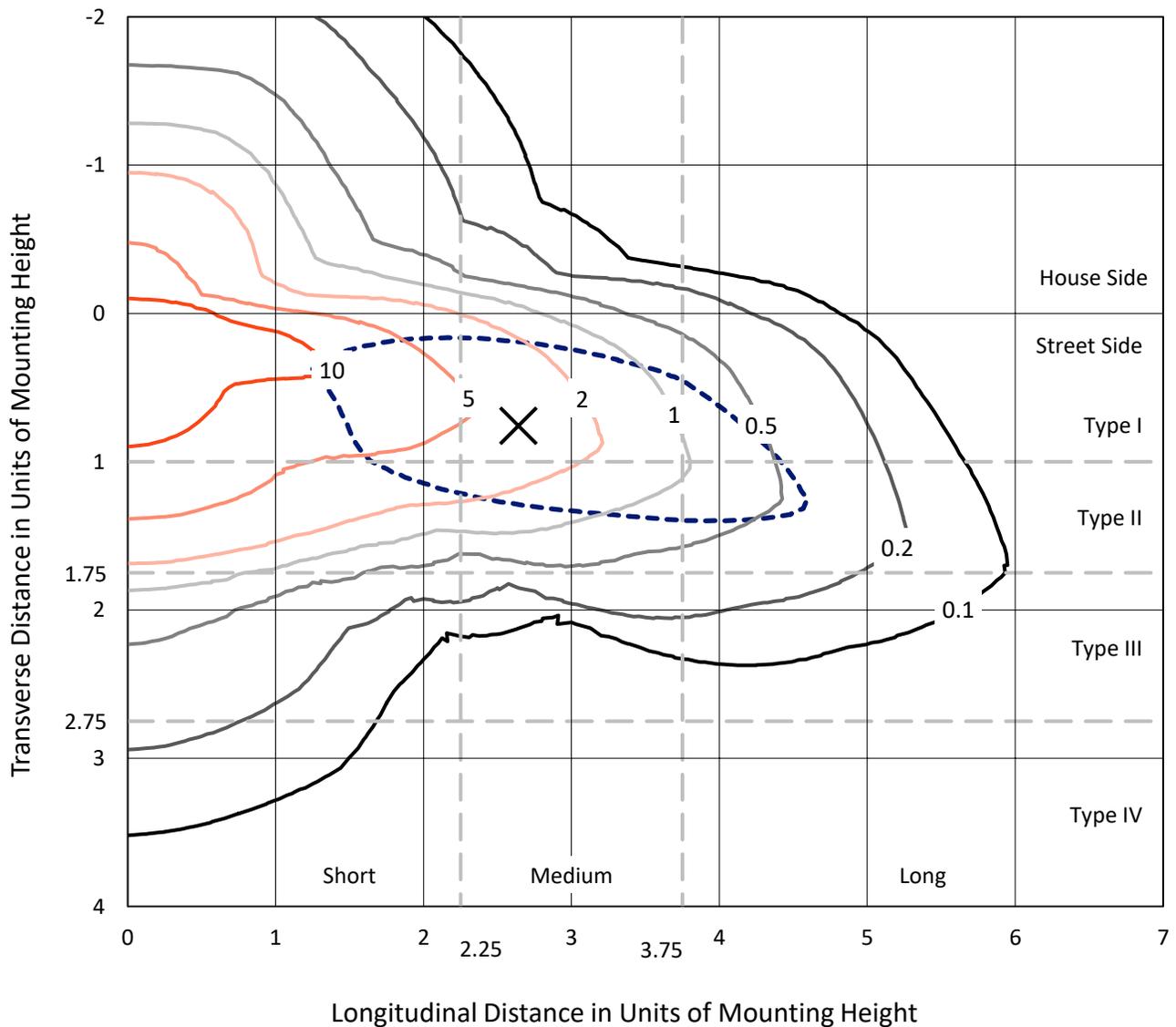


REPORT NUMBER: P1208609

CATALOG NUMBER: UPW-SA1-070-750-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

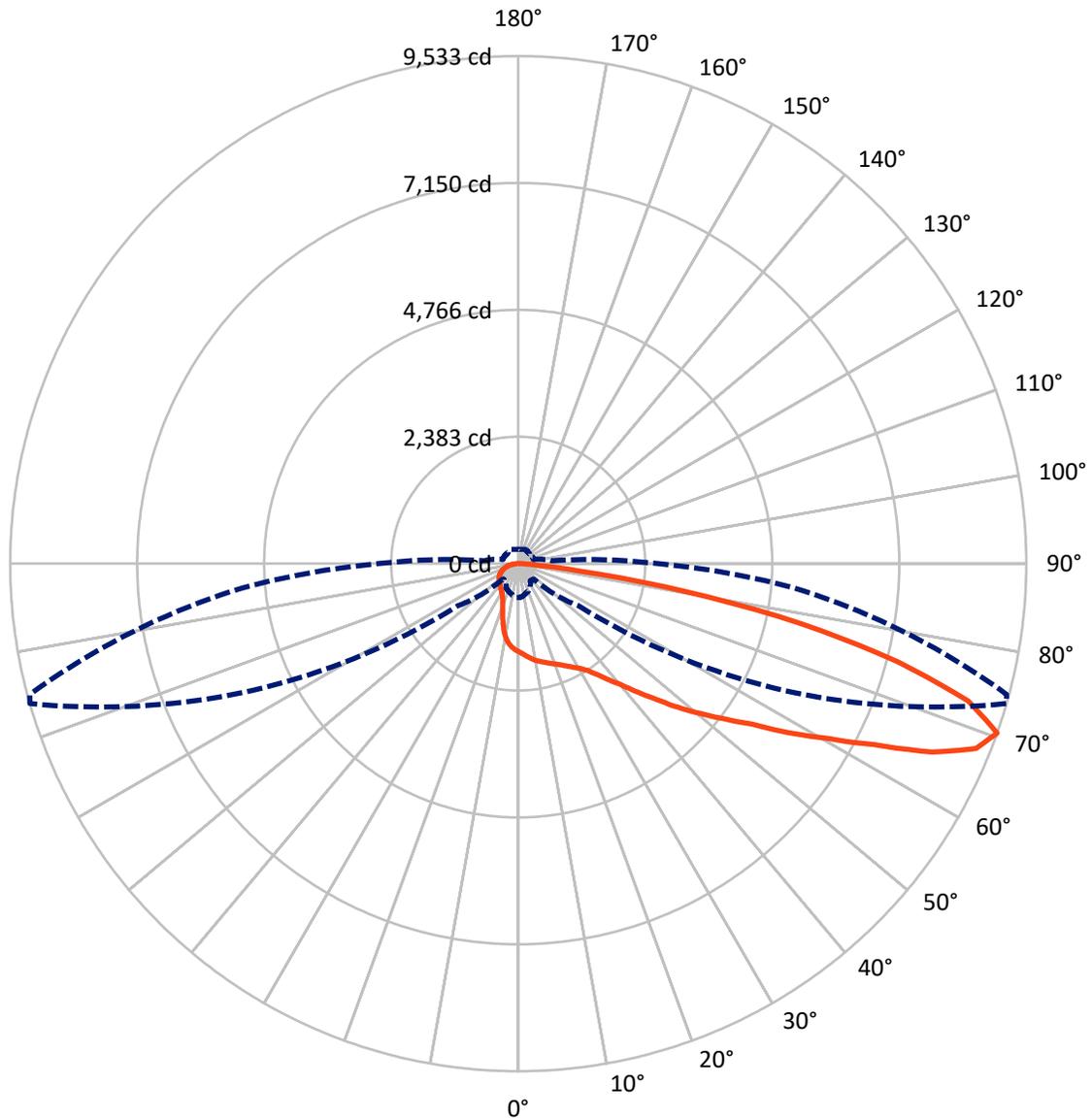


Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P1208609

CATALOG NUMBER: UPW-SA1-070-750-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P1208609

CATALOG NUMBER: UPW-SA1-070-750-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1454.8	0.0	1454.8
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	6493.2	0.0	6493.2
	% Fixture	81.7	0.0	81.7
Total	Lumens	7948.0	0.0	7948.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.8
10°-20°	382.4	4.8
20°-30°	605.5	7.6
30°-40°	902.2	11.4
40°-50°	1244.1	15.7
50°-60°	1668.6	21.0
60°-70°	1731.6	21.8
70°-80°	1095.7	13.8
80°-90°	172.5	2.2
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°	7948.0	100.0
0°-180°	7948.0	100.0



REPORT NUMBER: P1208609

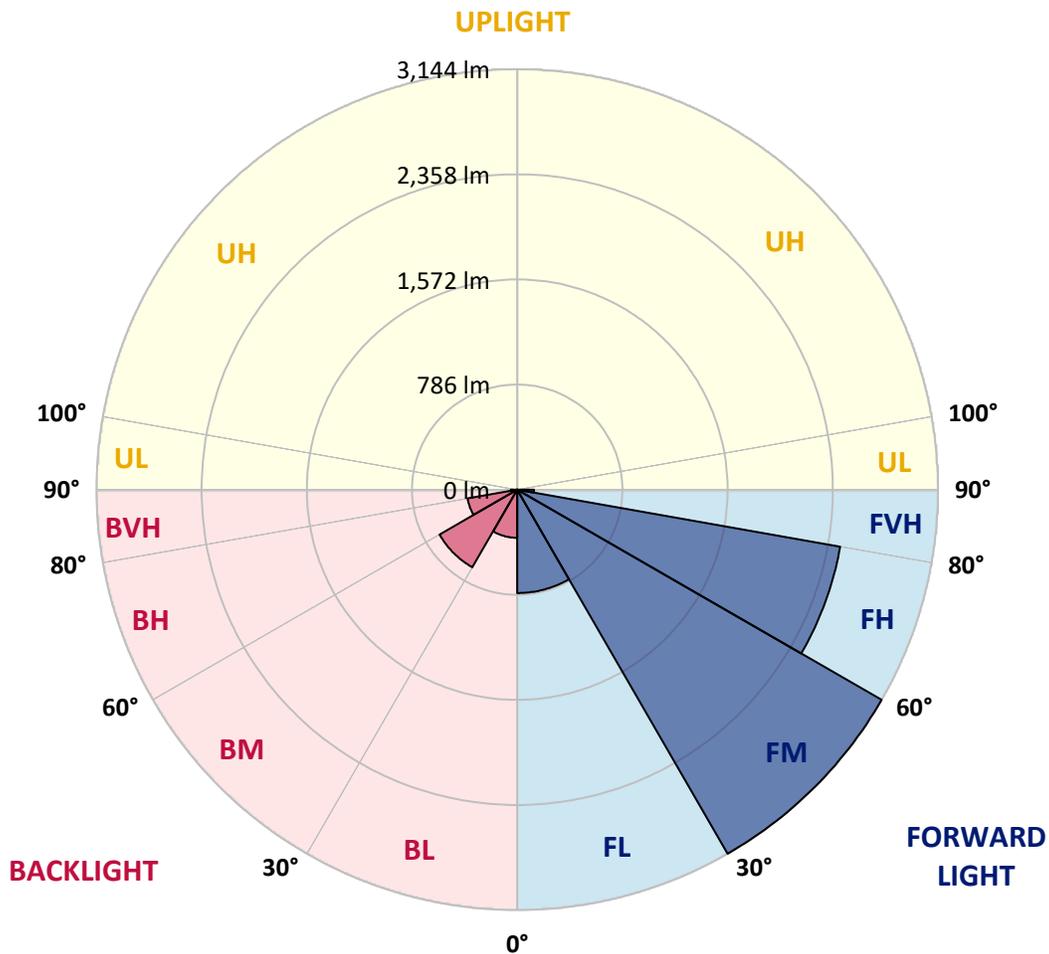
CATALOG NUMBER: UPW-SA1-070-750-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	773.2	9.7			
FM (30°-60°)	3144.1	39.6			
FH (60°-80°)	2450.6	30.8			G2/5000
FVH (80°-90°)	125.3	1.6			G2/225
BL (0°-30°)	360.1	4.5	B1/500		
BM (30°-60°)	670.8	8.4	B1/1000		
BH (60°-80°)	376.8	4.7	B1/500		G1/500
BVH (80°-90°)	47.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





REPORT NUMBER: P1208609

CATALOG NUMBER: UPW-SA1-070-750-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1
2.5°	1769.8	1767.1	1760.9	1760.9	1758.2	1752.0	1734.2	1715.5	1697.7	1696.0	1672.8
5°	1842.7	1838.3	1837.4	1837.4	1833.8	1827.6	1803.6	1777.8	1752.0	1746.7	1704.9
7.5°	1877.4	1873.8	1874.7	1879.2	1886.3	1881.0	1859.6	1837.4	1802.7	1798.2	1736.0
10°	1858.7	1861.4	1872.1	1897.0	1914.7	1924.5	1906.7	1886.3	1850.7	1845.4	1760.9
12.5°	1740.4	1748.4	1782.2	1846.3	1913.9	1951.2	1950.3	1929.0	1886.3	1881.8	1780.5
15°	1561.7	1551.9	1614.2	1716.4	1839.2	1945.0	1979.7	1969.9	1927.2	1921.0	1803.6
17.5°	1473.6	1474.5	1502.1	1565.2	1700.4	1894.3	1995.7	2010.8	1970.8	1962.8	1829.4
20°	1509.2	1508.3	1511.0	1532.3	1597.3	1791.1	1996.6	2055.3	2013.5	2008.1	1852.5
22.5°	1610.6	1607.0	1599.0	1581.2	1583.0	1699.5	1984.1	2104.2	2067.7	2057.0	1868.5
25°	1752.0	1743.1	1717.3	1677.3	1634.6	1672.0	1952.1	2161.1	2130.0	2118.4	1885.4
27.5°	1913.0	1911.2	1883.6	1807.1	1726.2	1706.6	1915.6	2223.3	2203.8	2187.8	1904.1
30°	2079.3	2069.5	2043.7	1961.9	1859.6	1782.2	1905.0	2291.8	2282.0	2261.6	1919.2
32.5°	2170.0	2165.5	2148.6	2098.8	2009.9	1891.6	1936.1	2362.1	2394.1	2379.0	1952.1
35°	2242.0	2234.0	2216.2	2195.8	2150.4	2035.7	2008.1	2446.6	2561.3	2534.6	2022.4
37.5°	2310.5	2301.6	2289.2	2269.6	2240.2	2173.5	2113.1	2562.2	2773.0	2754.3	2129.1
40°	2387.0	2377.2	2361.2	2347.9	2306.9	2286.5	2211.8	2672.5	2999.7	2990.8	2257.1
42.5°	2444.8	2434.1	2426.1	2417.2	2372.8	2334.5	2289.2	2777.4	3305.7	3283.4	2427.0
45°	2487.5	2481.3	2481.3	2470.6	2441.2	2336.3	2343.4	2917.9	3634.7	3627.6	2661.8
47.5°	2533.7	2525.7	2530.2	2520.4	2511.5	2338.1	2410.1	3105.6	4030.5	4024.3	2924.1
50°	2588.9	2580.9	2598.7	2584.4	2588.0	2391.4	2505.3	3340.4	4421.8	4406.7	3203.4
52.5°	2596.0	2594.2	2638.7	2670.7	2696.5	2513.3	2666.2	3620.5	4849.6	4849.6	3528.9
55°	2451.9	2448.4	2534.6	2670.7	2815.6	2747.2	2965.1	4058.9	5322.7	5335.1	3818.8
57.5°	1991.2	2008.1	2154.0	2421.7	2809.4	3080.7	3407.1	4592.5	5989.7	5948.8	4103.4
60°	1266.4	1291.3	1407.8	1776.0	2389.7	3136.7	3882.9	5270.2	6666.5	6588.2	4479.6
62.5°	836.9	815.5	817.3	990.7	1537.7	2636.0	3976.2	6073.3	7482.9	7426.0	4814.0
65°	744.4	729.3	653.7	608.3	747.0	1646.2	3381.3	6652.3	8532.3	8373.1	5070.1
67.5°	706.1	691.0	620.8	550.5	470.5	841.3	2403.0	6545.5	9265.1	9164.6	5259.6
70°	639.4	630.5	573.6	519.4	393.1	406.4	1386.5	5746.0	9532.8	9484.8	5173.3
72.5°	555.8	545.2	506.9	469.6	345.1	299.7	665.2	4555.2	8829.4	8825.8	4807.8
75°	455.3	446.4	415.3	402.9	291.7	245.5	378.0	3199.0	7355.7	7316.6	4273.3
77.5°	372.6	360.2	338.8	329.1	241.9	197.4	265.9	2233.1	5428.5	5326.3	2990.8
80°	270.4	262.4	241.9	265.0	191.2	153.0	197.4	1389.1	3190.1	2982.0	1120.6
82.5°	164.5	148.5	167.2	202.8	141.4	109.4	145.0	774.6	1143.7	1005.0	334.4
85°	76.5	78.3	97.8	129.8	84.5	64.0	90.7	338.8	331.7	317.5	140.5
87.5°	12.5	13.3	37.4	56.9	35.6	21.3	36.5	74.7	125.4	129.0	60.5
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: P1208609

CATALOG NUMBER: UPW-SA1-070-750-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1
2.5°	1658.6	1644.4	1618.6	1590.1	1558.1	1528.8	1516.3	1475.4	1465.6	1463.0	1442.5
5°	1675.5	1644.4	1576.8	1496.8	1403.4	1318.9	1225.5	1150.8	1109.0	1105.4	1110.8
7.5°	1692.4	1643.5	1519.9	1358.0	1192.6	1029.0	929.4	870.7	829.8	820.0	822.6
10°	1701.3	1631.0	1432.7	1183.7	955.2	836.0	779.1	758.6	752.4	747.0	747.0
12.5°	1703.1	1603.5	1317.1	996.1	815.5	757.7	741.7	736.4	735.5	734.6	732.8
15°	1704.9	1568.8	1169.5	851.1	752.4	733.7	727.5	726.6	728.4	727.5	727.5
17.5°	1703.1	1521.7	1026.3	767.5	729.3	722.1	718.6	717.7	720.4	719.5	718.6
20°	1696.9	1461.2	886.7	724.8	713.3	711.5	707.0	703.5	707.0	707.9	707.0
22.5°	1672.8	1372.3	786.2	698.1	698.1	698.1	692.8	688.3	694.6	696.4	697.2
25°	1635.5	1265.5	711.5	675.9	680.3	678.6	678.6	677.7	683.9	685.7	686.6
27.5°	1596.4	1154.4	659.0	651.9	659.0	663.4	671.5	672.3	672.3	670.6	669.7
30°	1546.6	1033.4	625.2	630.5	640.3	656.3	670.6	668.8	662.6	656.3	657.2
32.5°	1506.5	935.6	592.3	611.9	629.7	652.8	665.2	667.9	667.0	656.3	656.3
35°	1491.4	857.3	570.1	595.9	622.5	643.9	649.2	660.8	659.0	645.7	644.8
37.5°	1501.2	794.2	550.5	579.0	611.9	622.5	634.1	636.8	614.5	600.3	596.7
40°	1522.5	747.9	532.7	557.6	594.1	603.0	619.0	595.0	576.3	564.7	566.5
42.5°	1582.1	728.4	516.7	533.6	567.4	587.9	581.6	574.5	548.7	530.0	528.3
45°	1676.4	727.5	502.5	508.7	537.2	558.5	557.6	549.6	522.0	502.5	499.8
47.5°	1805.4	745.3	487.4	485.6	508.7	522.0	534.5	522.0	493.6	471.4	468.7
50°	1959.2	791.5	473.1	461.6	477.6	498.0	504.3	495.4	468.7	447.3	444.7
52.5°	2144.2	855.5	460.7	440.2	444.7	473.1	487.4	479.4	449.1	426.0	422.4
55°	2323.8	916.0	443.8	418.0	410.9	450.0	472.2	471.4	426.9	402.9	401.1
57.5°	2507.9	972.9	425.1	399.3	387.8	425.1	456.2	459.8	403.8	378.0	378.0
60°	2694.7	1013.0	402.0	379.7	373.5	397.5	432.2	433.1	383.3	363.7	365.5
62.5°	2847.7	988.9	378.9	361.1	356.6	370.9	405.5	413.5	381.5	360.2	362.0
65°	2912.6	908.9	353.1	343.3	336.2	341.5	373.5	383.3	349.5	325.5	328.2
67.5°	2870.8	792.4	327.3	322.8	313.0	311.3	331.7	337.9	313.0	297.9	296.2
70°	2622.7	632.3	296.2	296.2	287.3	279.3	289.9	295.3	275.7	266.8	268.6
72.5°	2269.6	514.0	265.9	269.5	257.0	246.3	252.6	255.2	243.7	239.2	237.5
75°	1963.7	429.6	235.7	241.0	227.7	210.8	217.9	217.9	208.1	207.2	206.3
77.5°	1431.8	322.8	202.8	209.0	198.3	177.0	178.8	179.6	176.1	176.1	177.0
80°	612.8	197.4	165.4	175.2	164.5	138.7	144.1	144.1	153.0	175.2	171.6
82.5°	203.7	117.4	125.4	137.8	126.3	103.2	109.4	117.4	151.2	145.0	137.8
85°	87.2	64.9	80.0	87.2	80.9	62.3	71.1	122.7	112.1	108.5	109.4
87.5°	29.3	27.6	33.8	40.0	28.5	19.6	36.5	74.7	72.9	55.1	53.4
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)