

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: P1208842

Luminaire Tested: UPW-SA2-070-740-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-740-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9945 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

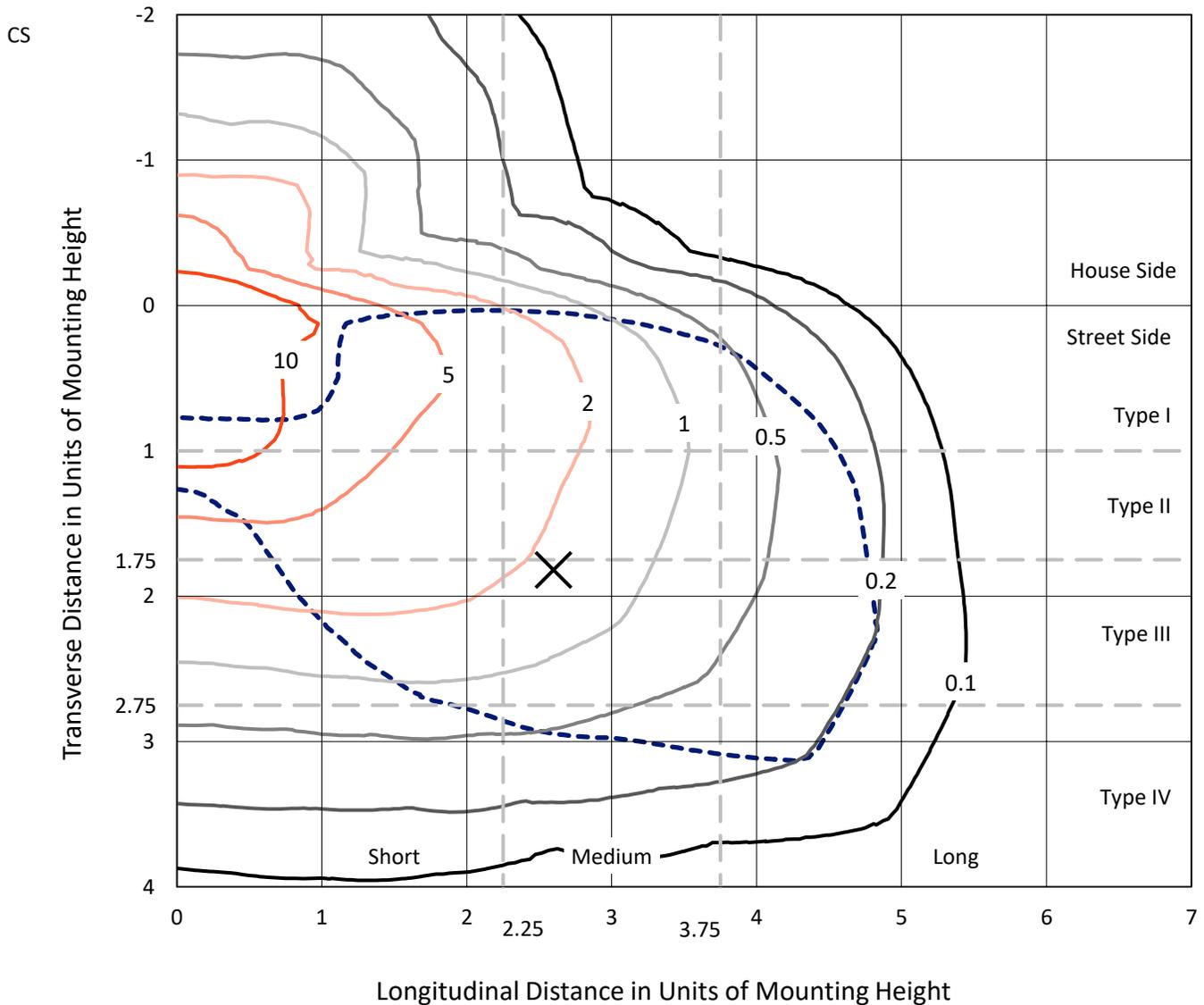
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208842
 CATALOG NUMBER: UPW-SA2-070-740-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

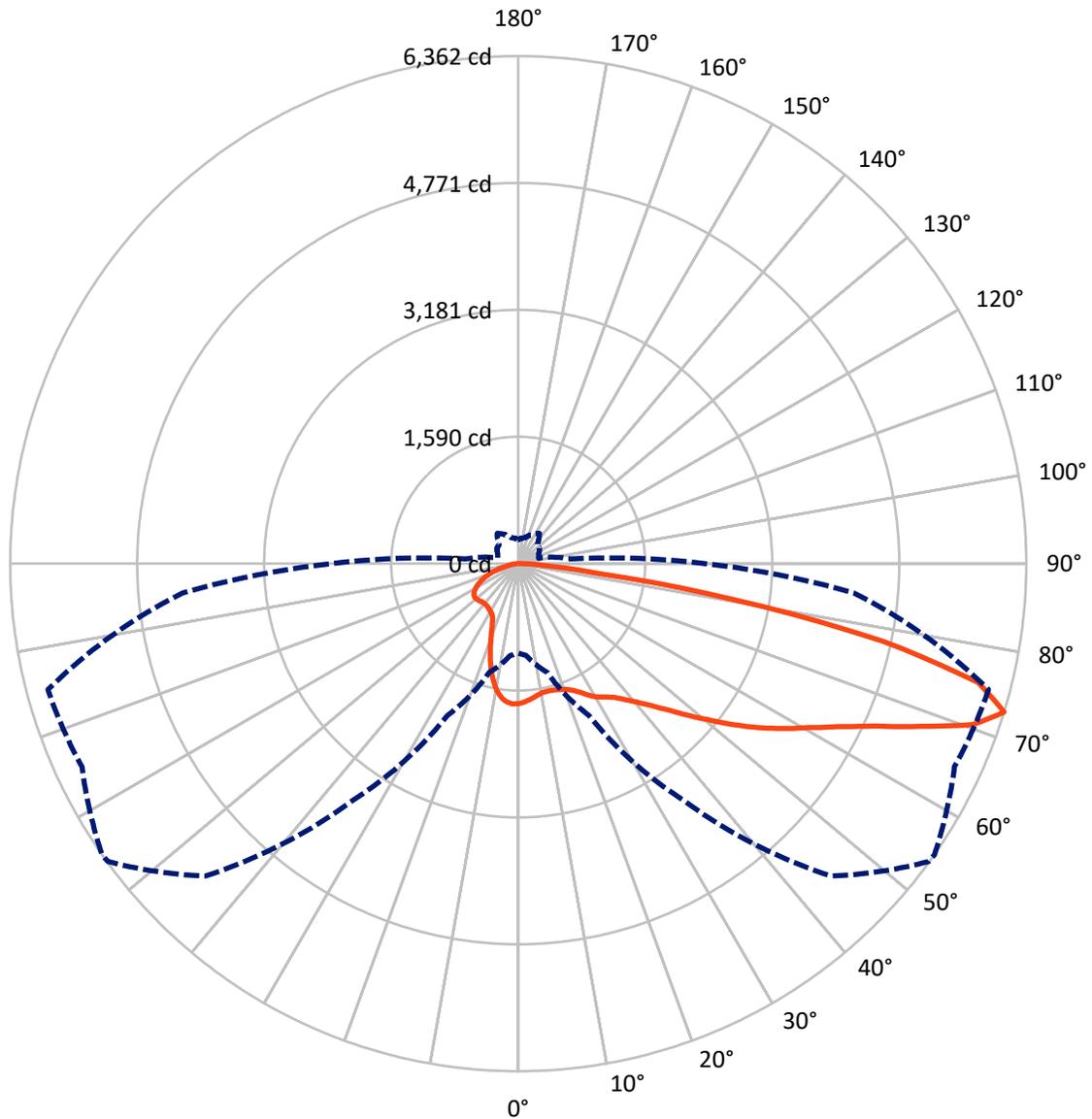


Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P1208842

CATALOG NUMBER: UPW-SA2-070-740-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1208842

CATALOG NUMBER: UPW-SA2-070-740-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1848.4	0.0	1848.4
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	8096.6	0.0	8096.6
	% Fixture	81.4	0.0	81.4
Total	Lumens	9945.0	0.0	9945.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	1.6
10°-20°	422.6	4.2
20°-30°	696.7	7.0
30°-40°	1030.6	10.4
40°-50°	1438.6	14.5
50°-60°	1873.1	18.8
60°-70°	2301.9	23.1
70°-80°	1804.4	18.1
80°-90°	218.4	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°	9945.0	100.0
0°-180°	9945.0	100.0



REPORT NUMBER: P1208842

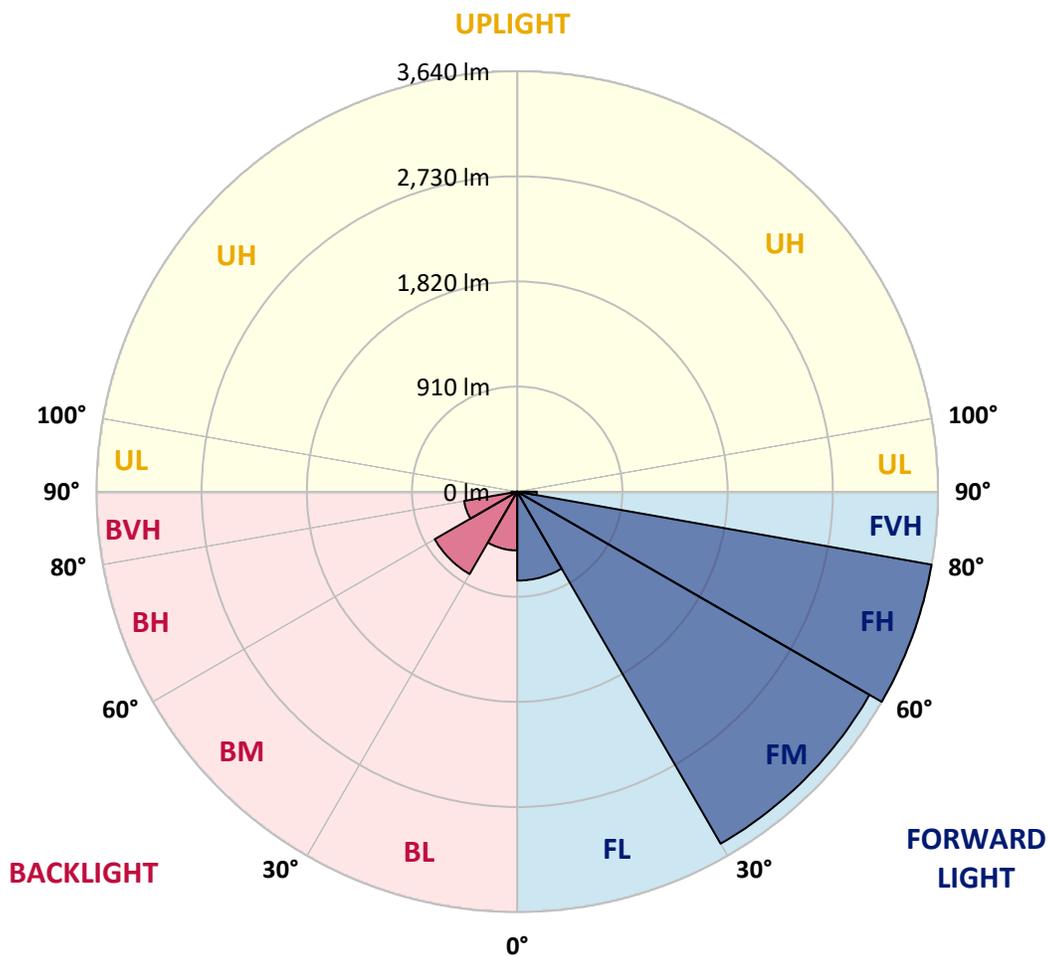
CATALOG NUMBER: UPW-SA2-070-740-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	769.5	7.7			
FM	(30°-60°)	3518.7	35.4			
FH	(60°-80°)	3639.5	36.6			G2/5000
FVH	(80°-90°)	168.8	1.7			G2/225
BL	(0°-30°)	508.6	5.1	B2/1000		
BM	(30°-60°)	823.5	8.3	B1/1000		
BH	(60°-80°)	466.8	4.7	B1/500		G1/500
BVH	(80°-90°)	49.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





REPORT NUMBER: P1208842

CATALOG NUMBER: UPW-SA2-070-740-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1
2.5°	1697.0	1692.9	1698.0	1705.0	1712.8	1723.2	1729.2	1731.9	1742.3	1746.4	1755.1
5°	1618.4	1616.4	1624.8	1636.9	1654.0	1678.2	1697.7	1701.3	1728.9	1748.4	1766.2
7.5°	1561.3	1561.3	1571.0	1585.5	1604.6	1637.2	1664.7	1669.8	1716.5	1758.5	1791.4
10°	1515.9	1517.6	1529.0	1546.2	1568.7	1603.3	1639.9	1645.6	1713.1	1782.0	1834.4
12.5°	1485.7	1489.7	1500.1	1515.6	1543.5	1585.5	1631.8	1639.5	1720.2	1815.6	1886.1
15°	1504.8	1511.6	1512.6	1519.0	1534.4	1580.1	1636.5	1644.6	1735.3	1849.8	1944.9
17.5°	1588.8	1591.2	1580.8	1567.3	1559.9	1589.2	1650.6	1659.0	1753.4	1883.7	2001.3
20°	1716.5	1715.1	1692.6	1656.3	1618.7	1623.4	1673.8	1682.5	1777.9	1913.6	2057.7
22.5°	1877.7	1873.0	1838.4	1771.6	1707.4	1680.5	1714.4	1721.8	1814.9	1956.3	2118.2
25°	2073.2	2062.8	2017.1	1927.4	1833.0	1763.8	1775.6	1782.6	1868.6	2004.0	2173.6
27.5°	2279.4	2269.0	2210.9	2102.4	1976.8	1869.0	1859.9	1865.9	1929.8	2039.3	2214.6
30°	2495.1	2484.0	2430.9	2309.3	2129.3	1977.8	1938.5	1940.8	1972.8	2058.4	2248.2
32.5°	2711.7	2701.3	2641.9	2500.8	2294.9	2094.7	1995.3	1992.2	1998.6	2078.2	2286.2
35°	2931.4	2935.5	2865.9	2709.7	2478.3	2224.7	2062.4	2056.1	2042.0	2118.9	2339.9
37.5°	3166.6	3163.9	3073.8	2910.6	2670.1	2365.8	2158.8	2157.8	2109.1	2195.8	2424.2
40°	3323.8	3325.4	3270.7	3116.2	2863.9	2522.0	2282.5	2280.1	2216.3	2311.0	2534.7
42.5°	3385.2	3396.3	3410.4	3312.3	3066.8	2703.0	2429.9	2426.6	2365.8	2476.3	2664.7
45°	3389.6	3411.8	3499.1	3486.7	3272.4	2910.3	2618.4	2609.0	2565.3	2696.0	2819.9
47.5°	3352.0	3374.8	3519.9	3590.5	3456.1	3128.9	2838.7	2831.3	2793.7	2970.7	2987.9
50°	3269.7	3291.5	3476.9	3641.2	3607.3	3339.2	3092.7	3073.2	3053.0	3288.2	3180.0
52.5°	3115.5	3157.5	3419.5	3653.3	3697.6	3526.0	3359.7	3346.9	3358.0	3623.0	3372.5
55°	2750.4	2797.4	3271.4	3643.2	3764.5	3682.8	3626.7	3626.1	3683.5	3974.4	3579.0
57.5°	2545.8	2579.1	2969.7	3626.1	3843.7	3838.7	3891.1	3897.5	4009.3	4357.0	3795.4
60°	2430.3	2465.2	2816.9	3562.6	3966.7	4040.2	4160.8	4173.6	4340.5	4780.6	4055.7
62.5°	2325.1	2363.4	2722.2	3433.3	4111.4	4328.4	4484.0	4495.4	4691.2	5215.9	4307.3
65°	2145.4	2188.7	2583.4	3348.3	4243.1	4704.3	4894.8	4902.5	5094.0	5672.1	4499.8
67.5°	1891.5	1931.1	2321.8	3160.5	4340.5	5160.8	5441.0	5445.3	5493.4	5994.2	4598.2
70°	1594.9	1610.0	1948.9	2772.9	4225.3	5587.7	6039.5	6040.5	5857.5	6200.4	4582.0
72.5°	1120.6	1156.2	1414.8	2099.1	3631.1	5535.7	6350.2	6361.7	6026.8	6096.3	4215.9
75°	687.3	724.9	887.5	1272.1	2303.6	4353.6	5867.2	5946.5	5709.3	5435.6	3444.0
77.5°	459.5	473.6	579.1	741.7	1043.6	2504.8	4510.8	4660.0	4742.9	3964.0	2202.5
80°	256.3	283.2	383.9	460.9	464.2	995.3	2704.7	2739.6	2638.9	1578.4	679.5
82.5°	135.7	150.5	256.3	270.7	253.3	333.2	1008.0	1009.1	843.1	423.2	201.9
85°	105.1	117.6	175.7	165.3	129.3	147.8	332.5	350.7	286.9	173.3	65.8
87.5°	52.4	65.2	119.2	104.8	50.7	42.3	118.9	127.0	113.2	67.9	23.8
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: P1208842

CATALOG NUMBER: UPW-SA2-070-740-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1	1754.1
2.5°	1758.5	1761.5	1765.2	1761.1	1759.8	1754.4	1745.4	1743.3	1738.6	1739.0	1741.7
5°	1773.9	1778.9	1776.9	1761.5	1743.0	1717.1	1690.3	1667.4	1652.3	1651.3	1650.3
7.5°	1803.5	1806.8	1791.0	1747.0	1695.3	1635.5	1579.1	1529.7	1499.8	1492.4	1490.7
10°	1849.8	1849.1	1805.8	1717.1	1614.0	1507.2	1416.5	1348.0	1308.0	1296.2	1293.2
12.5°	1901.5	1893.8	1810.9	1662.7	1499.1	1351.0	1236.1	1159.9	1118.2	1104.8	1101.4
15°	1955.0	1935.8	1798.4	1581.4	1358.1	1182.7	1062.1	991.6	969.1	961.7	960.3
17.5°	2004.7	1967.7	1762.8	1471.3	1197.2	1015.1	921.0	892.8	898.2	907.9	908.3
20°	2053.4	1989.2	1705.7	1332.2	1027.5	877.0	845.1	866.0	891.5	911.3	914.0
22.5°	2101.4	2004.3	1632.2	1171.6	875.7	799.4	822.0	859.9	889.1	910.6	914.3
25°	2141.7	2008.0	1530.7	1000.3	770.2	770.2	810.9	846.8	875.7	896.9	900.6
27.5°	2156.5	1983.2	1387.6	841.8	717.2	756.8	795.4	825.3	849.8	872.3	876.4
30°	2162.2	1937.2	1222.4	714.5	695.3	742.3	774.6	800.1	823.3	844.5	848.2
32.5°	2163.2	1881.7	1047.0	642.2	680.2	727.2	748.7	771.2	796.1	804.5	805.8
35°	2169.6	1816.2	862.3	605.3	666.1	713.1	730.3	746.4	706.1	709.1	711.8
37.5°	2188.1	1751.4	707.7	584.5	657.0	705.7	726.2	667.8	636.2	628.8	627.8
40°	2222.7	1682.2	593.2	567.7	653.7	709.4	700.4	623.4	569.0	528.4	522.3
42.5°	2270.7	1607.6	520.0	556.6	656.0	727.2	664.4	580.8	490.4	464.2	460.9
45°	2324.8	1529.4	480.3	548.9	664.1	741.0	657.0	524.0	453.8	434.0	432.3
47.5°	2377.2	1433.6	459.9	545.5	675.2	729.9	625.8	506.5	436.3	425.9	426.9
50°	2437.3	1347.3	447.4	541.8	684.9	722.9	590.5	497.5	429.6	442.4	455.8
52.5°	2488.0	1258.0	436.3	534.4	688.6	710.4	581.4	499.2	429.6	454.1	466.9
55°	2548.2	1190.4	423.6	519.0	681.5	675.2	575.1	509.2	434.7	419.2	420.6
57.5°	2625.8	1168.3	409.5	494.8	658.0	623.8	572.0	519.0	431.6	421.9	425.3
60°	2733.2	1191.8	403.8	463.2	621.4	583.5	572.4	513.9	410.5	393.7	394.0
62.5°	2835.7	1218.0	403.4	443.4	576.4	547.5	564.7	497.5	399.7	390.0	393.7
65°	2869.3	1191.4	387.3	421.2	525.7	504.5	550.5	480.0	391.7	376.9	376.2
67.5°	2824.3	1109.2	354.7	385.3	467.6	454.5	532.1	459.2	378.9	366.8	364.8
70°	2690.6	925.4	314.4	337.9	401.4	398.0	502.8	435.0	361.8	351.4	342.6
72.5°	2330.8	659.4	265.0	281.2	326.8	337.6	462.5	403.4	337.6	315.1	301.6
75°	1914.3	488.1	217.7	221.0	248.2	277.5	407.1	366.5	309.0	270.7	260.3
77.5°	1172.3	298.6	173.3	174.7	178.0	221.4	335.2	325.2	272.8	225.7	218.3
80°	379.6	162.9	125.3	131.7	121.6	162.2	259.3	276.8	234.1	188.8	180.7
82.5°	144.4	95.1	84.6	89.0	84.3	108.8	189.1	221.7	191.8	155.2	126.3
85°	69.9	53.7	50.0	56.1	52.1	55.8	120.9	163.2	145.4	101.1	94.1
87.5°	24.9	23.8	19.1	25.9	22.2	19.8	36.9	82.3	96.1	69.5	62.1
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)