

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: P1208771

Luminaire Tested: UPW-SA2-070-730-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8495 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - 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

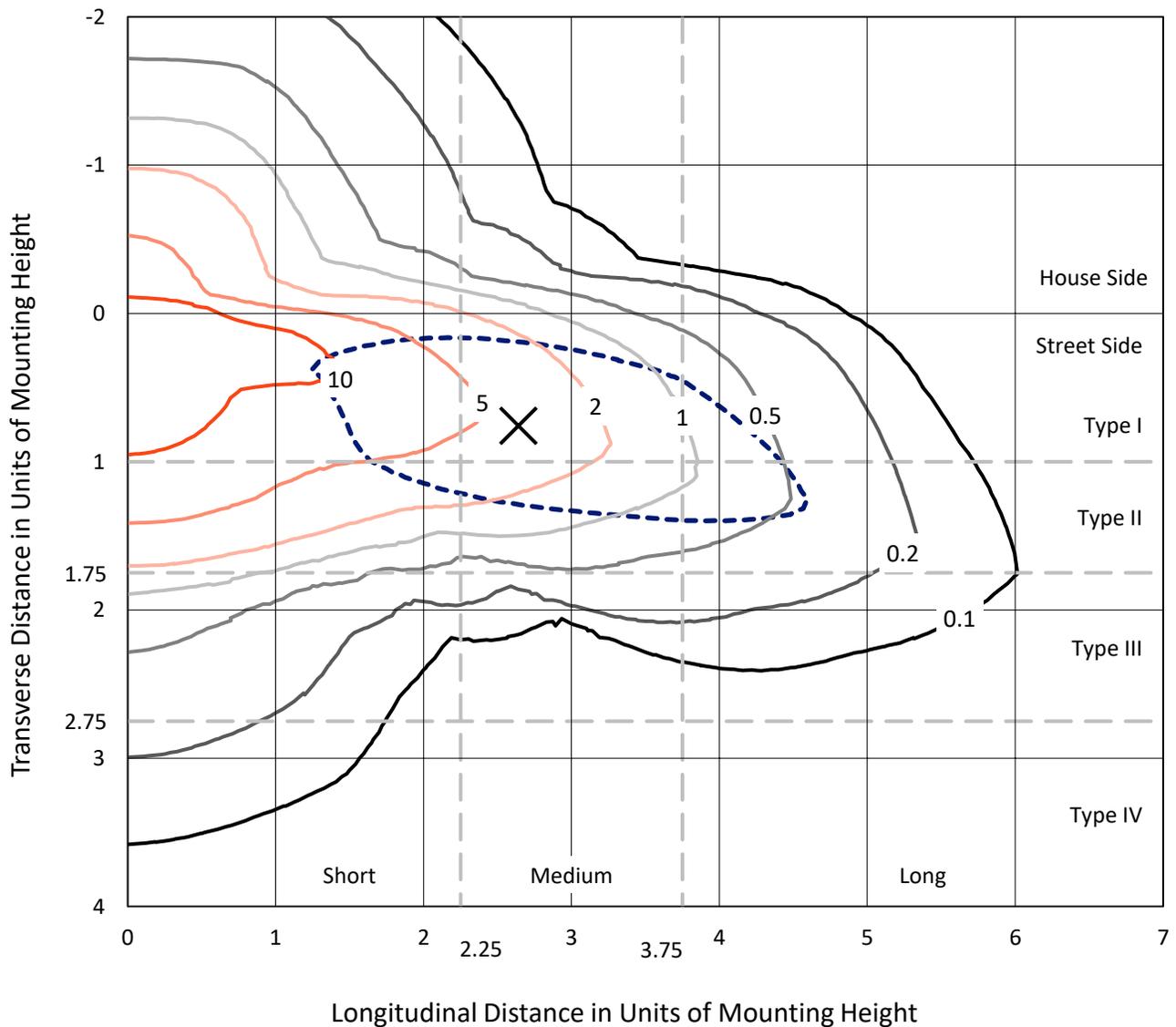


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

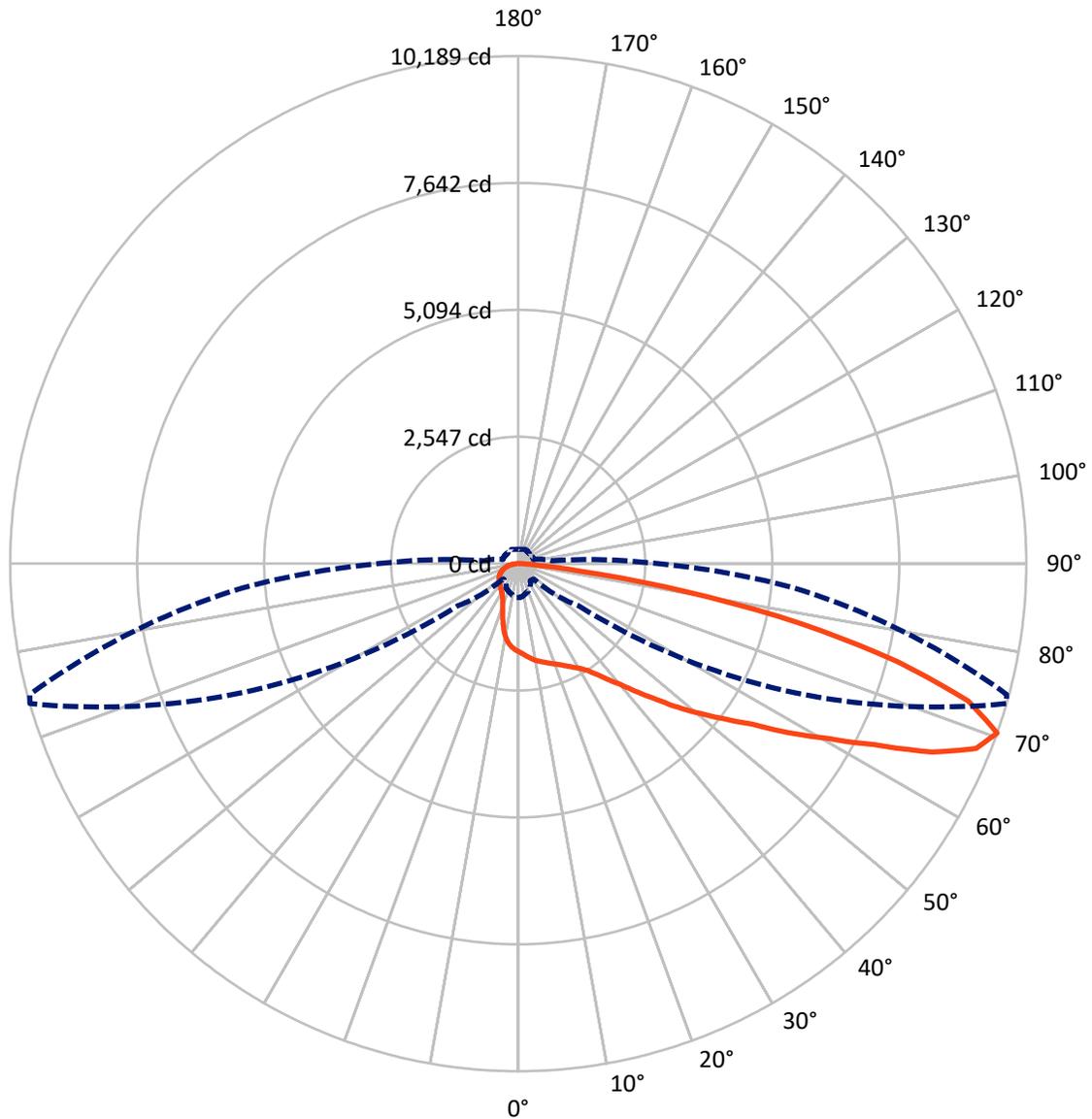


Based on 10 foot mounting height. Maximum calculated value = 19.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1554.9	0.0	1554.9
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	6940.1	0.0	6940.1
	% Fixture	81.7	0.0	81.7
Total	Lumens	8495.0	0.0	8495.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.8
10°-20°	408.7	4.8
20°-30°	647.2	7.6
30°-40°	964.3	11.4
40°-50°	1329.8	15.7
50°-60°	1783.4	21.0
60°-70°	1850.8	21.8
70°-80°	1171.1	13.8
80°-90°	184.3	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°	8495.0	100.0
0°-180°	8495.0	100.0



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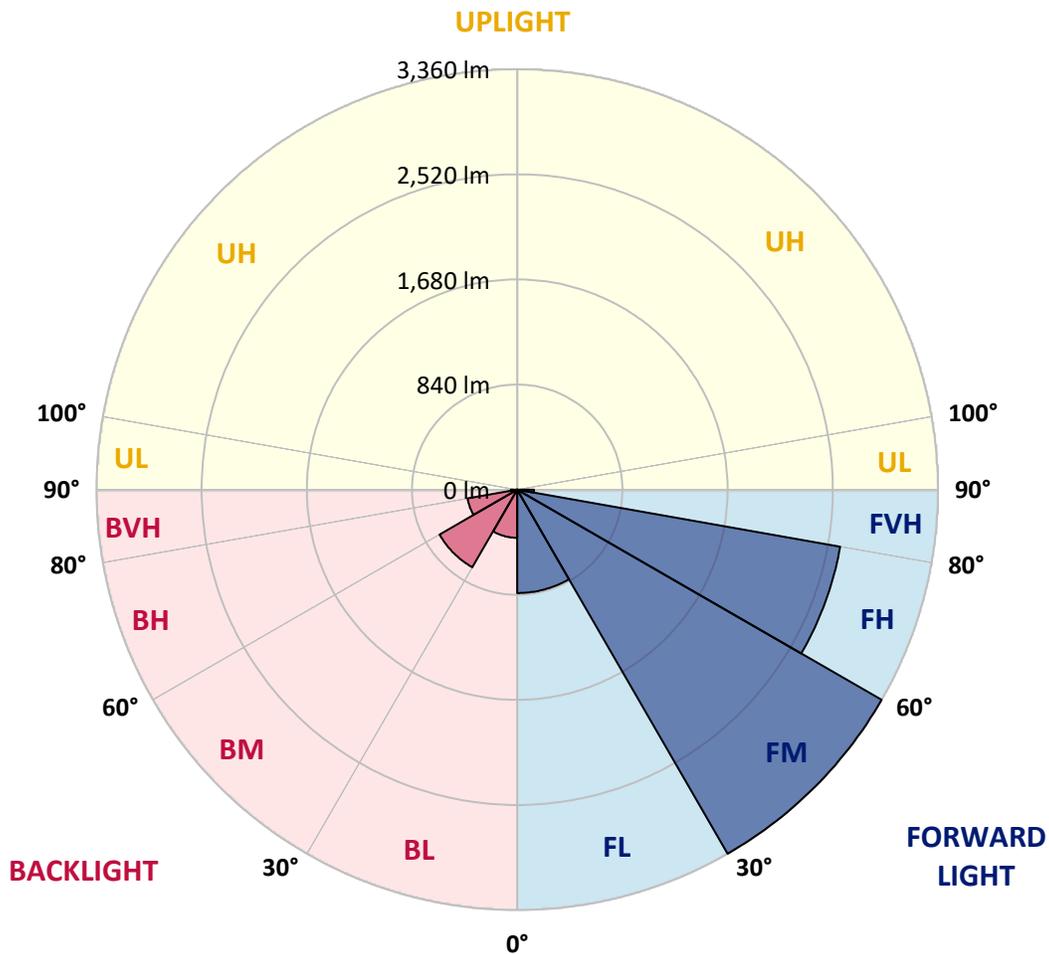
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.4	9.7			
FM (30°-60°)	3360.5	39.6			
FH (60°-80°)	2619.2	30.8			G2/5000
FVH (80°-90°)	134.0	1.6			G2/225
BL (0°-30°)	384.9	4.5	B1/500		
BM (30°-60°)	717.0	8.4	B1/1000		
BH (60°-80°)	402.7	4.7	B1/500		G1/500
BVH (80°-90°)	50.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0
2.5°	1891.6	1888.7	1882.1	1882.1	1879.2	1872.6	1853.6	1833.6	1814.6	1812.7	1788.0
5°	1969.5	1964.8	1963.8	1963.8	1960.0	1953.4	1927.7	1900.1	1872.6	1866.9	1822.2
7.5°	2006.6	2002.8	2003.8	2008.5	2016.1	2010.4	1987.6	1963.8	1926.8	1922.0	1855.5
10°	1986.6	1989.5	2000.9	2027.5	2046.5	2057.0	2038.0	2016.1	1978.1	1972.4	1882.1
12.5°	1860.2	1868.8	1904.9	1973.3	2045.6	2085.5	2084.5	2061.7	2016.1	2011.4	1903.0
15°	1669.2	1658.7	1725.2	1834.6	1965.7	2078.8	2115.9	2105.5	2059.8	2053.2	1927.7
17.5°	1575.1	1576.0	1605.5	1673.0	1817.4	2024.7	2133.0	2149.2	2106.4	2097.9	1955.3
20°	1613.1	1612.1	1615.0	1637.8	1707.2	1914.4	2134.0	2196.7	2152.0	2146.3	1980.0
22.5°	1721.4	1717.6	1709.1	1690.1	1692.0	1816.5	2120.7	2249.0	2210.0	2198.6	1997.1
25°	1872.6	1863.1	1835.5	1792.7	1747.1	1787.0	2086.4	2309.8	2276.6	2264.2	2015.2
27.5°	2044.6	2042.7	2013.3	1931.5	1845.0	1824.1	2047.5	2376.4	2355.5	2338.3	2035.1
30°	2222.4	2211.9	2184.4	2096.9	1987.6	1904.9	2036.1	2449.6	2439.1	2417.2	2051.3
32.5°	2319.3	2314.6	2296.5	2243.3	2148.2	2021.8	2069.3	2524.7	2558.9	2542.7	2086.4
35°	2396.3	2387.8	2368.8	2346.9	2298.4	2175.8	2146.3	2615.0	2737.6	2709.1	2161.5
37.5°	2469.5	2460.0	2446.7	2425.8	2394.4	2323.1	2258.5	2738.5	2963.8	2943.8	2275.6
40°	2551.3	2540.8	2523.7	2509.4	2465.7	2443.9	2364.0	2856.4	3206.2	3196.7	2412.5
42.5°	2613.1	2601.6	2593.1	2583.6	2536.1	2495.2	2446.7	2968.6	3533.2	3509.4	2594.0
45°	2658.7	2652.0	2652.0	2640.6	2609.2	2497.1	2504.7	3118.7	3884.9	3877.3	2845.0
47.5°	2708.1	2699.6	2704.3	2693.8	2684.3	2499.0	2576.0	3319.3	4307.9	4301.2	3125.4
50°	2767.0	2758.5	2777.5	2762.3	2766.1	2556.0	2677.7	3570.3	4726.1	4710.0	3423.9
52.5°	2774.6	2772.7	2820.3	2854.5	2882.1	2686.2	2849.7	3869.7	5183.3	5183.3	3771.8
55°	2620.7	2616.9	2709.1	2854.5	3009.4	2936.2	3169.1	4338.3	5689.0	5702.3	4081.6
57.5°	2128.3	2146.3	2302.2	2588.3	3002.8	3292.7	3641.5	4908.6	6401.9	6358.2	4385.8
60°	1353.6	1380.2	1504.7	1898.2	2554.1	3352.6	4150.1	5632.9	7125.3	7041.6	4787.9
62.5°	894.5	871.7	873.6	1058.9	1643.5	2817.4	4249.9	6491.3	7997.9	7937.1	5145.3
65°	795.6	779.4	698.7	650.2	798.5	1759.5	3614.0	7110.1	9119.5	8949.4	5419.1
67.5°	754.7	738.6	663.5	588.4	502.8	899.2	2568.4	6996.0	9902.8	9795.4	5621.5
70°	683.4	673.9	613.1	555.1	420.1	434.4	1481.9	6141.5	10188.9	10137.6	5529.3
72.5°	594.1	582.7	541.8	501.9	368.8	320.3	711.0	4868.7	9437.0	9433.2	5138.7
75°	486.7	477.2	443.9	430.6	311.8	262.4	404.0	3419.1	7862.0	7820.1	4567.4
77.5°	398.3	385.0	362.2	351.7	258.5	211.0	284.2	2386.8	5802.1	5692.8	3196.7
80°	289.0	280.4	258.5	283.3	204.4	163.5	211.0	1484.8	3409.6	3187.2	1197.7
82.5°	175.9	158.7	178.7	216.7	151.1	116.9	154.9	827.9	1222.4	1074.1	357.4
85°	81.7	83.6	104.6	138.8	90.3	68.4	97.0	362.2	354.6	339.3	150.2
87.5°	13.3	14.3	39.9	60.8	38.0	22.8	39.0	79.8	134.0	137.8	64.6
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°	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0	1769.0
2.5°	1772.8	1757.6	1730.0	1699.6	1665.4	1634.0	1620.7	1577.0	1566.5	1563.6	1541.8
5°	1790.8	1757.6	1685.3	1599.8	1500.0	1409.7	1309.9	1230.0	1185.3	1181.5	1187.2
7.5°	1808.9	1756.6	1624.5	1451.5	1274.7	1099.8	993.3	930.6	886.9	876.4	879.3
10°	1818.4	1743.3	1531.3	1265.2	1020.9	893.5	832.7	810.8	804.2	798.5	798.5
12.5°	1820.3	1713.8	1407.8	1064.6	871.7	809.9	792.8	787.1	786.1	785.2	783.2
15°	1822.2	1676.8	1250.0	909.7	804.2	784.2	777.5	776.6	778.5	777.5	777.5
17.5°	1820.3	1626.4	1096.9	820.3	779.4	771.8	768.0	767.1	769.9	769.0	768.0
20°	1813.6	1561.7	947.7	774.7	762.3	760.4	755.7	751.9	755.7	756.6	755.7
22.5°	1788.0	1466.7	840.3	746.2	746.2	746.2	740.5	735.7	742.4	744.3	745.2
25°	1748.1	1352.6	760.4	722.4	727.2	725.3	725.3	724.3	731.0	732.9	733.8
27.5°	1706.2	1233.8	704.4	696.8	704.4	709.1	717.7	718.6	718.6	716.7	715.8
30°	1653.0	1104.5	668.2	673.9	684.4	701.5	716.7	714.8	708.2	701.5	702.5
32.5°	1610.2	1000.0	633.1	654.0	673.0	697.7	711.0	713.9	712.9	701.5	701.5
35°	1594.1	916.3	609.3	636.9	665.4	688.2	693.9	706.3	704.4	690.1	689.1
37.5°	1604.5	848.8	588.4	618.8	654.0	665.4	677.7	680.6	656.8	641.6	637.8
40°	1627.3	799.4	569.4	596.0	635.0	644.5	661.6	635.9	616.0	603.6	605.5
42.5°	1691.0	778.5	552.3	570.3	606.4	628.3	621.7	614.1	586.5	566.5	564.6
45°	1791.8	777.5	537.1	543.7	574.1	596.9	596.0	587.4	558.0	537.1	534.2
47.5°	1929.6	796.6	520.9	519.0	543.7	558.0	571.3	558.0	527.6	503.8	500.9
50°	2094.1	846.0	505.7	493.3	510.4	532.3	539.0	529.5	500.9	478.1	475.3
52.5°	2291.8	914.4	492.4	470.5	475.3	505.7	520.9	512.3	480.0	455.3	451.5
55°	2483.8	979.1	474.3	446.8	439.2	481.0	504.7	503.8	456.3	430.6	428.7
57.5°	2680.5	1039.9	454.4	426.8	414.4	454.4	487.6	491.4	431.5	404.0	404.0
60°	2880.2	1082.7	429.6	405.9	399.2	424.9	462.0	462.9	409.7	388.8	390.7
62.5°	3043.6	1057.0	404.9	385.9	381.2	396.4	433.4	442.0	407.8	385.0	386.9
65°	3113.0	971.5	377.4	366.9	359.3	365.0	399.2	409.7	373.6	347.9	350.8
67.5°	3068.4	846.9	349.8	345.0	334.6	332.7	354.6	361.2	334.6	318.4	316.5
70°	2803.2	675.8	316.5	316.5	307.0	298.5	309.9	315.6	294.7	285.2	287.1
72.5°	2425.8	549.4	284.2	288.0	274.7	263.3	270.0	272.8	260.4	255.7	253.8
75°	2098.8	459.1	251.9	257.6	243.3	225.3	232.9	232.9	222.4	221.5	220.5
77.5°	1530.4	345.0	216.7	223.4	212.0	189.2	191.1	192.0	188.2	188.2	189.2
80°	654.9	211.0	176.8	187.3	175.9	148.3	154.0	154.0	163.5	187.3	183.5
82.5°	217.7	125.5	134.0	147.3	135.0	110.3	116.9	125.5	161.6	154.9	147.3
85°	93.2	69.4	85.5	93.2	86.5	66.5	76.0	131.2	119.8	116.0	116.9
87.5°	31.4	29.5	36.1	42.8	30.4	20.9	39.0	79.8	77.9	58.9	57.0
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)