

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: P1209394

Luminaire Tested: UPW-SA2-110-827-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209394
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-SA2-110-827-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 1050mA 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: 10297 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 111
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

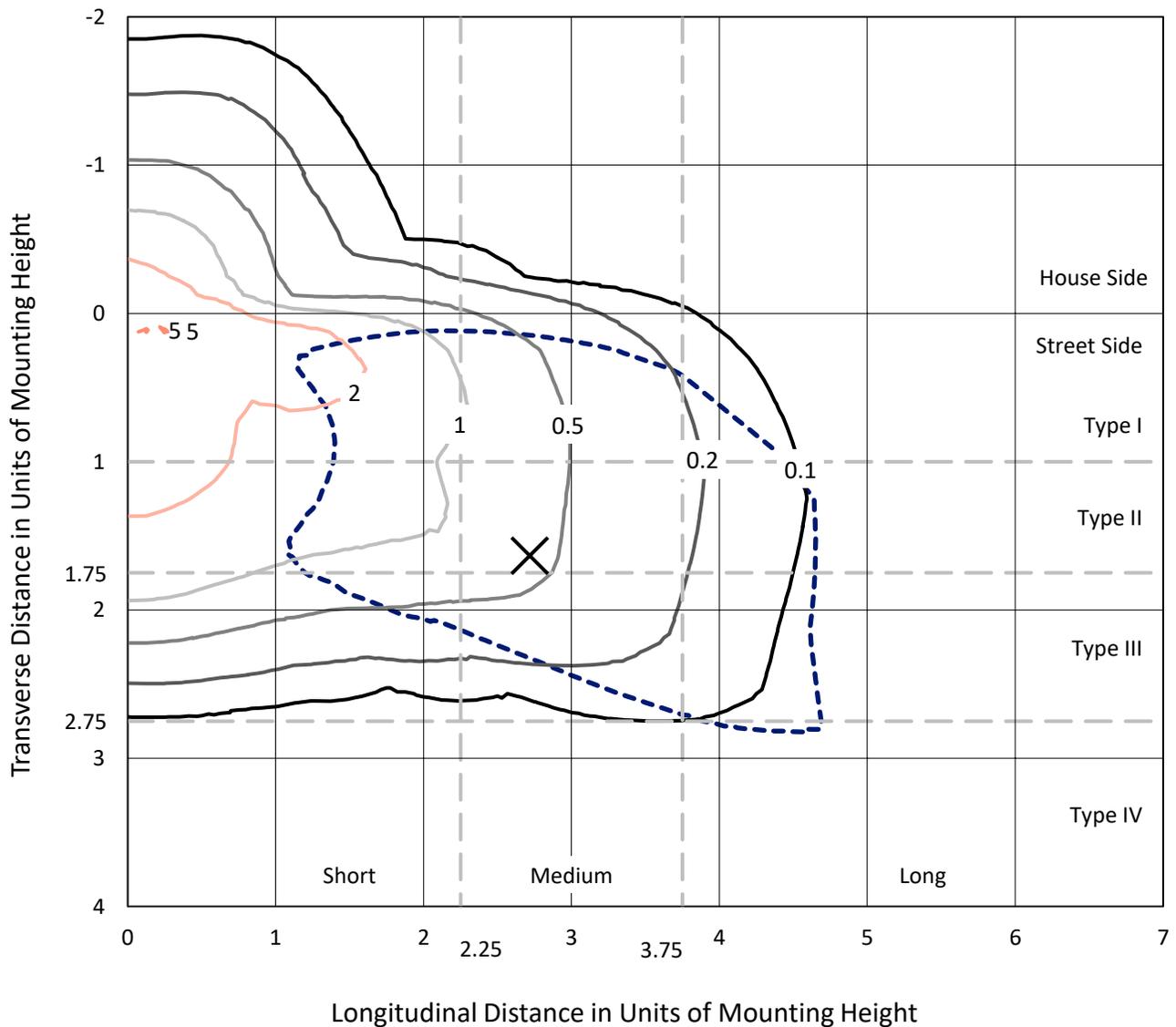


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

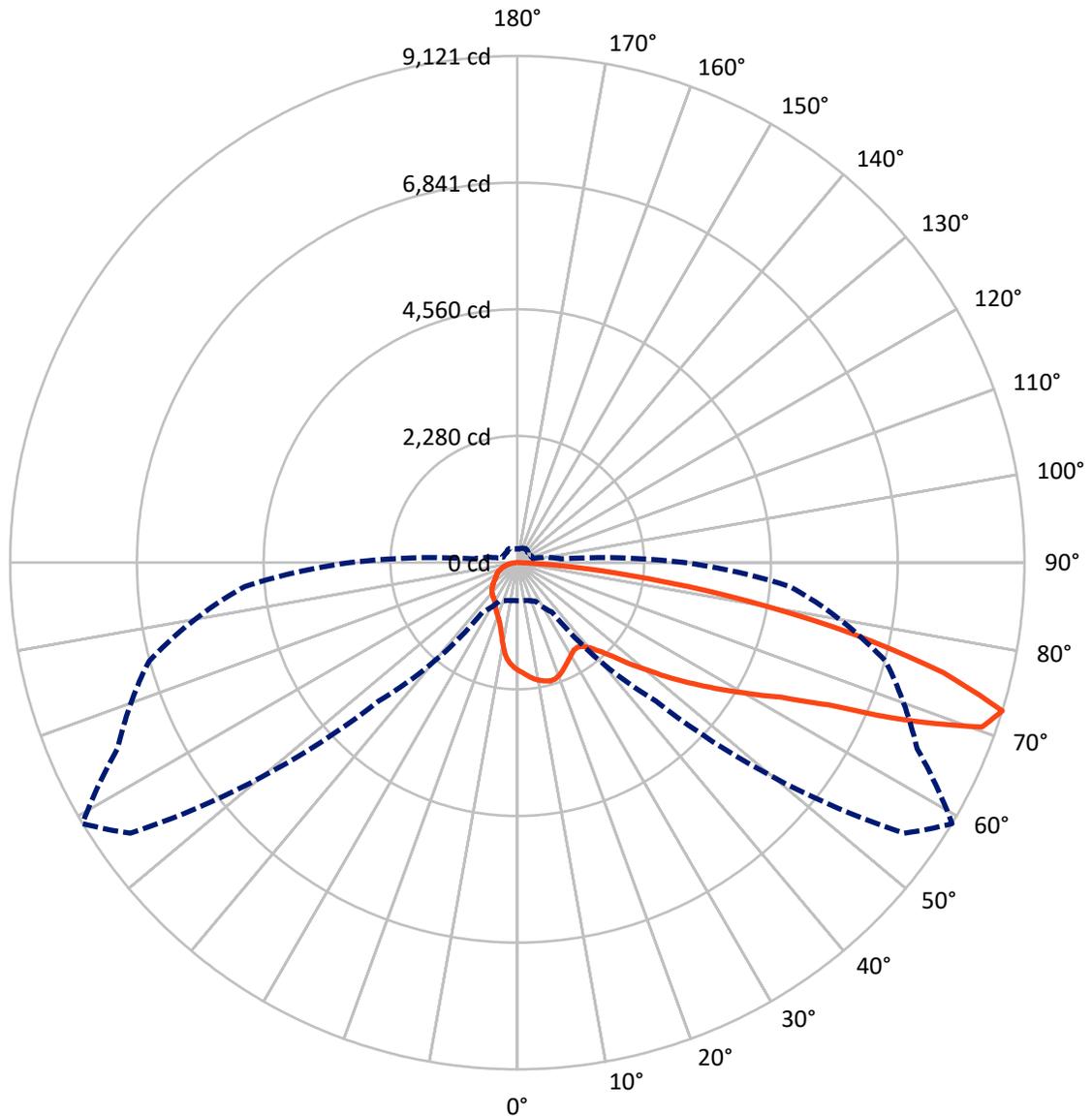


Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

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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
House Side	Lumens	1752.1	0.0	1752.1
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	8544.9	0.0	8544.9
	% Fixture	83.0	0.0	83.0
Total	Lumens	10297.0	0.0	10297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	1.7
10°-20°	444.8	4.3
20°-30°	654.1	6.4
30°-40°	898.7	8.7
40°-50°	1342.5	13.0
50°-60°	2046.0	19.9
60°-70°	2622.3	25.5
70°-80°	1812.7	17.6
80°-90°	301.6	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°	10297.0	100.0
0°-180°	10297.0	100.0

Coefficient of Utilization



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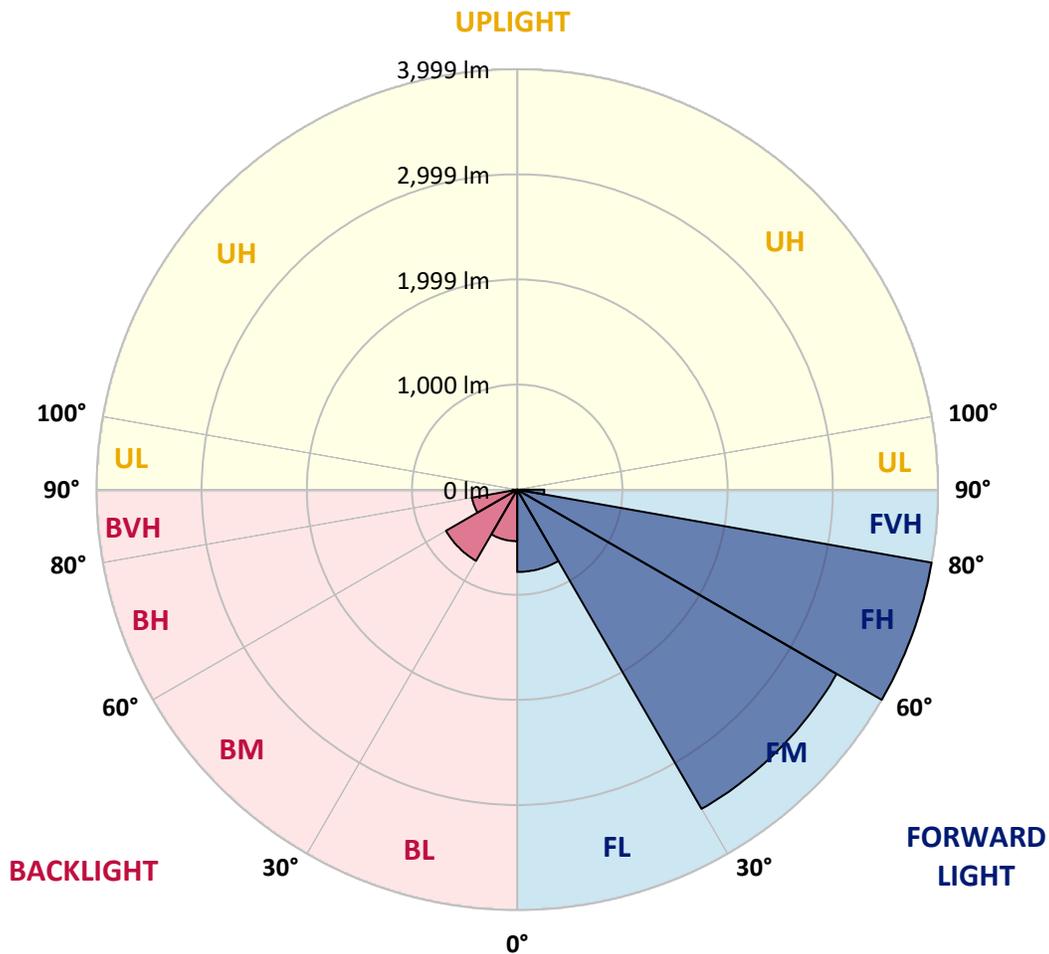
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	782.9	7.6			
FM (30°-60°)	3505.7	34.0			
FH (60°-80°)	3999.0	38.8			G2/5000
FVH (80°-90°)	257.3	2.5			G3/500
BL (0°-30°)	490.3	4.8	B1/500		
BM (30°-60°)	781.5	7.6	B1/1000		
BH (60°-80°)	436.0	4.2	B1/500		G1/500
BVH (80°-90°)	44.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7
2.5°	2021.5	2015.8	2018.6	2022.9	2011.5	2012.9	1998.6	1987.2	1978.7	1972.9	1960.1
5°	2071.4	2057.2	2062.9	2075.7	2062.9	2074.3	2058.6	2050.0	2035.8	2027.2	1998.6
7.5°	2030.0	2020.1	2034.3	2067.2	2082.9	2112.8	2115.7	2110.0	2104.3	2085.7	2050.0
10°	1838.8	1833.0	1870.2	1957.2	2030.0	2102.9	2151.4	2151.4	2154.3	2141.4	2098.6
12.5°	1596.1	1591.8	1640.3	1747.4	1890.1	2057.2	2172.8	2185.7	2208.5	2204.2	2150.0
15°	1434.7	1431.9	1470.4	1556.1	1703.1	1940.1	2170.0	2212.8	2259.9	2269.9	2202.8
17.5°	1351.9	1351.9	1379.1	1444.7	1546.1	1777.4	2107.1	2201.4	2297.0	2344.1	2262.7
20°	1329.1	1326.2	1341.9	1381.9	1451.9	1631.7	2012.9	2161.4	2325.6	2404.1	2301.3
22.5°	1340.5	1337.7	1343.4	1363.4	1403.3	1534.7	1911.6	2101.4	2341.3	2456.9	2335.6
25°	1396.2	1393.3	1386.2	1384.8	1393.3	1489.0	1808.8	2034.3	2357.0	2532.6	2377.0
27.5°	1504.7	1496.1	1471.9	1449.0	1426.2	1479.0	1743.1	1974.4	2377.0	2595.4	2402.7
30°	1644.6	1641.7	1611.8	1568.9	1493.3	1501.8	1701.7	1918.7	2377.0	2643.9	2401.2
32.5°	1747.4	1748.8	1743.1	1717.4	1610.3	1553.2	1686.0	1873.0	2372.7	2711.0	2406.9
35°	1855.9	1855.9	1841.6	1841.6	1771.7	1653.2	1708.8	1868.7	2396.9	2822.4	2448.3
37.5°	2040.0	2037.2	2007.2	1977.2	1925.8	1814.5	1775.9	1910.1	2464.0	3000.8	2504.0
40°	2282.7	2288.4	2227.1	2144.3	2084.3	2001.5	1901.6	2015.8	2568.3	3213.5	2575.4
42.5°	2575.4	2591.1	2495.4	2381.2	2277.0	2168.5	2077.2	2184.2	2752.4	3516.2	2698.2
45°	2935.1	2919.4	2799.5	2646.8	2509.7	2325.6	2269.9	2402.7	2992.3	3925.9	2886.6
47.5°	3247.8	3256.4	3109.3	2942.3	2772.4	2516.9	2514.0	2722.4	3309.2	4345.6	3103.6
50°	3551.9	3577.6	3414.8	3239.2	3057.9	2731.0	2822.4	3039.4	3648.9	4773.9	3372.0
52.5°	3790.3	3807.4	3656.1	3504.8	3324.9	3013.7	3186.4	3446.2	3993.0	5183.6	3680.4
55°	3978.7	4003.0	3833.1	3707.5	3570.4	3322.0	3603.3	3847.4	4349.9	5564.8	3995.9
57.5°	4234.3	4248.5	4034.4	3924.5	3796.0	3673.2	4061.5	4298.5	4732.5	5888.9	4322.8
60°	4429.8	4438.4	4217.1	4182.9	4180.0	4157.2	4571.2	4782.5	5092.3	6191.5	4656.8
62.5°	4260.0	4260.0	4107.2	4202.9	4549.8	4952.3	5277.8	5340.7	5463.4	6485.6	4978.0
65°	3374.8	3409.1	3426.2	3747.5	4522.6	5766.1	6449.9	6172.9	5927.4	6755.4	5240.7
67.5°	1771.7	1840.2	1998.6	2552.6	3728.9	6063.0	7951.7	7584.8	6585.5	6936.7	5343.5
70°	902.2	922.2	1005.0	1314.8	2347.0	5282.1	8844.0	8865.4	7370.7	7015.2	5269.3
72.5°	685.2	685.2	703.8	765.2	1085.0	3523.3	8494.2	9120.9	7933.2	6856.8	4919.5
75°	571.0	578.2	615.3	623.9	548.2	1828.8	6889.6	7913.2	7335.0	6275.7	4297.1
77.5°	458.3	462.5	521.1	555.3	369.7	782.3	5023.7	6175.8	5656.2	5072.3	3026.5
80°	345.5	352.6	405.4	475.4	274.1	375.5	3384.8	4224.3	3539.0	3109.3	1397.6
82.5°	231.3	234.1	277.0	375.5	202.7	208.4	1994.4	2367.0	1720.3	1164.9	366.9
85°	141.3	144.2	172.7	242.7	134.2	111.4	885.1	915.1	543.9	277.0	131.3
87.5°	64.2	71.4	89.9	117.1	67.1	45.7	148.5	145.6	107.1	99.9	55.7
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°	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7	1938.7
2.5°	1941.5	1925.8	1910.1	1888.7	1870.2	1838.8	1817.3	1795.9	1784.5	1781.6	1777.4
5°	1975.8	1948.7	1903.0	1843.0	1777.4	1703.1	1633.2	1571.8	1530.4	1517.5	1523.3
7.5°	2015.8	1977.2	1887.3	1771.7	1638.9	1493.3	1370.5	1290.6	1240.6	1212.0	1217.7
10°	2051.5	1995.8	1853.0	1658.9	1431.9	1249.2	1152.1	1096.4	1070.7	1067.8	1066.4
12.5°	2087.2	2014.3	1800.2	1497.6	1246.3	1102.1	1053.6	1037.9	1035.0	1037.9	1036.4
15°	2128.6	2024.3	1710.3	1330.5	1115.0	1040.7	1025.0	1020.7	1022.2	1029.3	1027.9
17.5°	2162.8	2020.1	1570.4	1179.2	1045.0	1010.7	996.5	989.3	996.5	1009.3	1009.3
20°	2174.2	1978.7	1409.0	1073.6	1006.5	977.9	957.9	946.5	955.1	970.8	973.6
22.5°	2165.7	1900.1	1243.4	999.3	966.5	939.4	917.9	906.5	910.8	922.2	923.7
25°	2152.8	1797.3	1097.8	942.2	915.1	893.7	888.0	873.7	866.6	873.7	875.1
27.5°	2114.3	1661.7	977.9	883.7	858.0	860.8	858.0	845.1	835.1	833.7	836.6
30°	2028.6	1473.3	888.0	823.7	815.2	830.9	830.9	812.3	793.7	790.9	795.2
32.5°	1925.8	1280.6	813.7	773.8	790.9	799.5	799.5	783.8	765.2	753.8	759.5
35°	1824.5	1097.8	756.6	739.5	772.3	779.5	772.3	766.6	736.6	708.1	715.2
37.5°	1707.4	940.8	706.7	713.8	750.9	753.8	753.8	733.8	693.8	669.5	675.3
40°	1580.4	822.3	665.3	691.0	728.1	728.1	716.7	703.8	683.8	659.6	662.4
42.5°	1499.0	742.4	633.9	666.7	692.4	701.0	675.3	685.2	668.1	642.4	645.3
45°	1487.6	692.4	608.2	629.6	652.4	649.6	651.0	658.1	642.4	608.2	606.7
47.5°	1557.5	676.7	583.9	588.2	608.2	618.2	626.7	629.6	606.7	569.6	563.9
50°	1713.1	703.8	559.6	551.1	568.2	591.0	599.6	603.9	576.8	538.2	532.5
52.5°	1953.0	788.0	538.2	519.6	518.2	558.2	582.5	593.9	551.1	509.7	506.8
55°	2218.5	902.2	509.7	492.5	476.8	532.5	568.2	581.0	526.8	472.5	468.3
57.5°	2501.2	1037.9	476.8	465.4	446.8	508.2	542.5	552.5	489.7	428.3	425.4
60°	2796.7	1159.2	445.4	435.4	425.4	475.4	511.1	513.9	455.4	394.0	391.2
62.5°	3063.6	1242.0	415.4	404.0	404.0	436.8	474.0	471.1	419.7	362.6	359.8
65°	3260.6	1232.0	388.3	374.0	379.7	395.4	428.3	418.3	381.2	332.6	329.8
67.5°	3340.6	1126.4	362.6	346.9	348.3	352.6	379.7	372.6	342.6	302.7	301.2
70°	3257.8	936.5	329.8	309.8	306.9	308.4	335.5	322.6	301.2	275.5	274.1
72.5°	3010.8	785.2	292.7	275.5	269.8	265.5	288.4	282.7	267.0	245.5	247.0
75°	2639.6	678.1	252.7	241.3	231.3	227.0	245.5	242.7	231.3	217.0	217.0
77.5°	1844.5	495.4	208.4	204.1	198.4	189.9	204.1	205.6	198.4	194.2	192.7
80°	799.5	277.0	164.2	167.0	159.9	154.2	165.6	167.0	172.7	167.0	168.5
82.5°	231.3	137.0	118.5	127.1	124.2	118.5	124.2	137.0	128.5	112.8	115.6
85°	85.7	65.7	74.2	79.9	75.7	60.0	78.5	89.9	81.4	75.7	77.1
87.5°	32.8	24.3	31.4	27.1	21.4	15.7	27.1	30.0	40.0	15.7	12.8
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)