

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: P1209016

Luminaire Tested: UPW-SA2-090-730-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-090-730-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 800mA 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: 10305 lumens
Efficiency: N/A
Efficacy: 119.8 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): 86
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

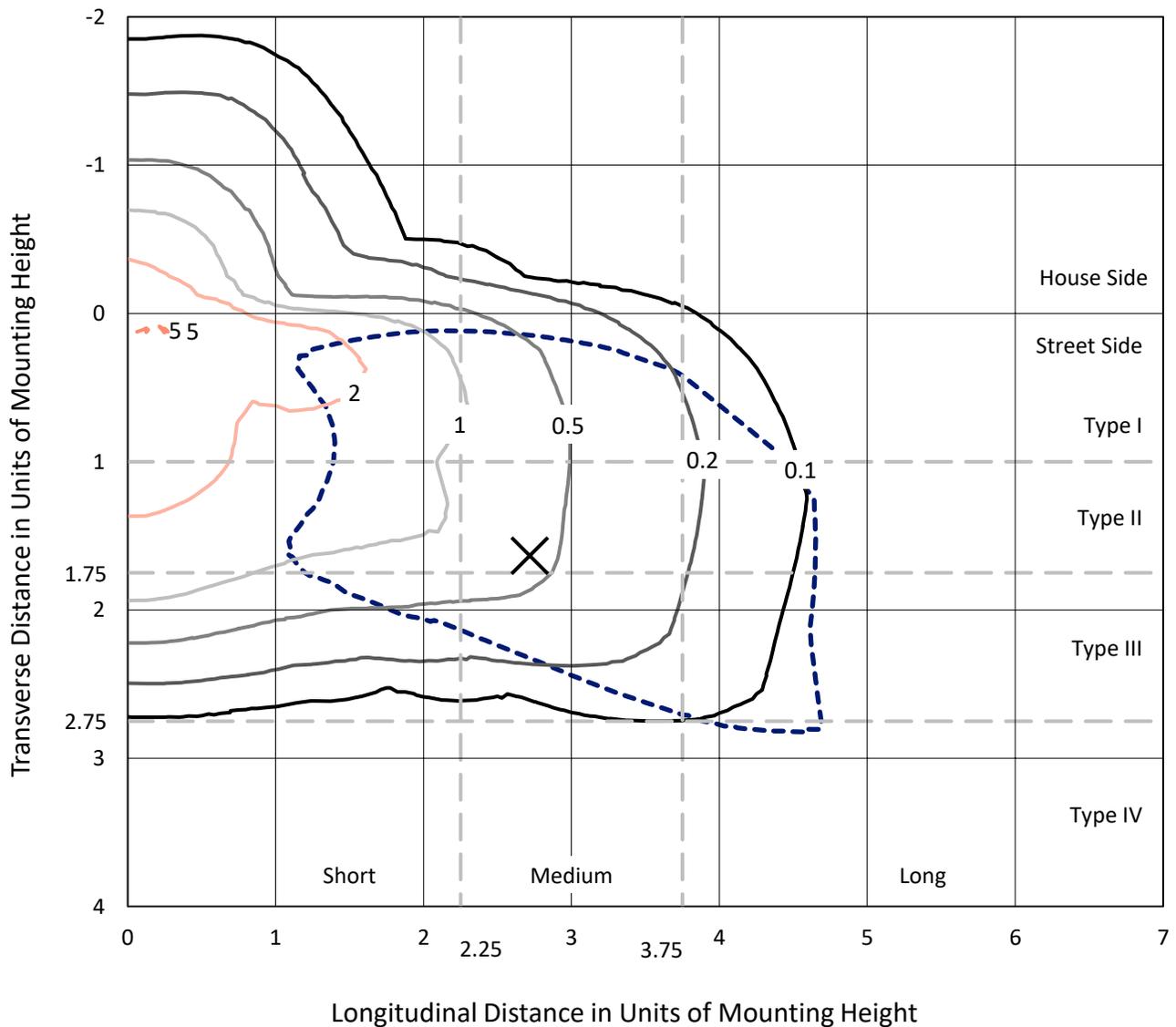


REPORT NUMBER: P1209016

CATALOG NUMBER: UPW-SA2-090-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

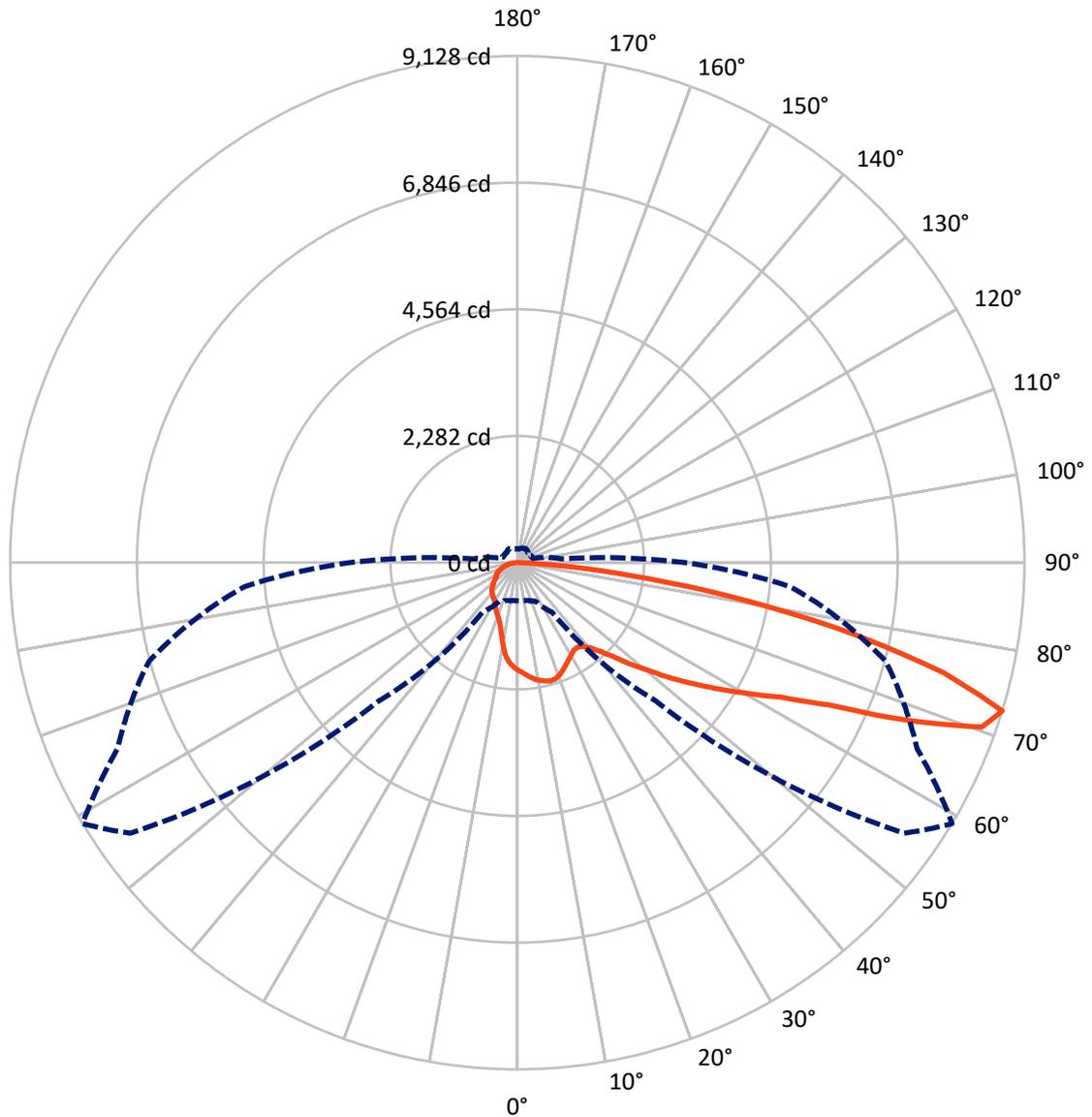
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P1209016
CATALOG NUMBER: UPW-SA2-090-730-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1209016

CATALOG NUMBER: UPW-SA2-090-730-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1753.5	0.0	1753.5
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	8551.5	0.0	8551.5
	% Fixture	83.0	0.0	83.0
Total	Lumens	10305.0	0.0	10305.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	1.7
10°-20°	445.1	4.3
20°-30°	654.6	6.4
30°-40°	899.4	8.7
40°-50°	1343.5	13.0
50°-60°	2047.5	19.9
60°-70°	2624.3	25.5
70°-80°	1814.1	17.6
80°-90°	301.8	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°	10305.0	100.0
0°-180°	10305.0	100.0



REPORT NUMBER: P1209016

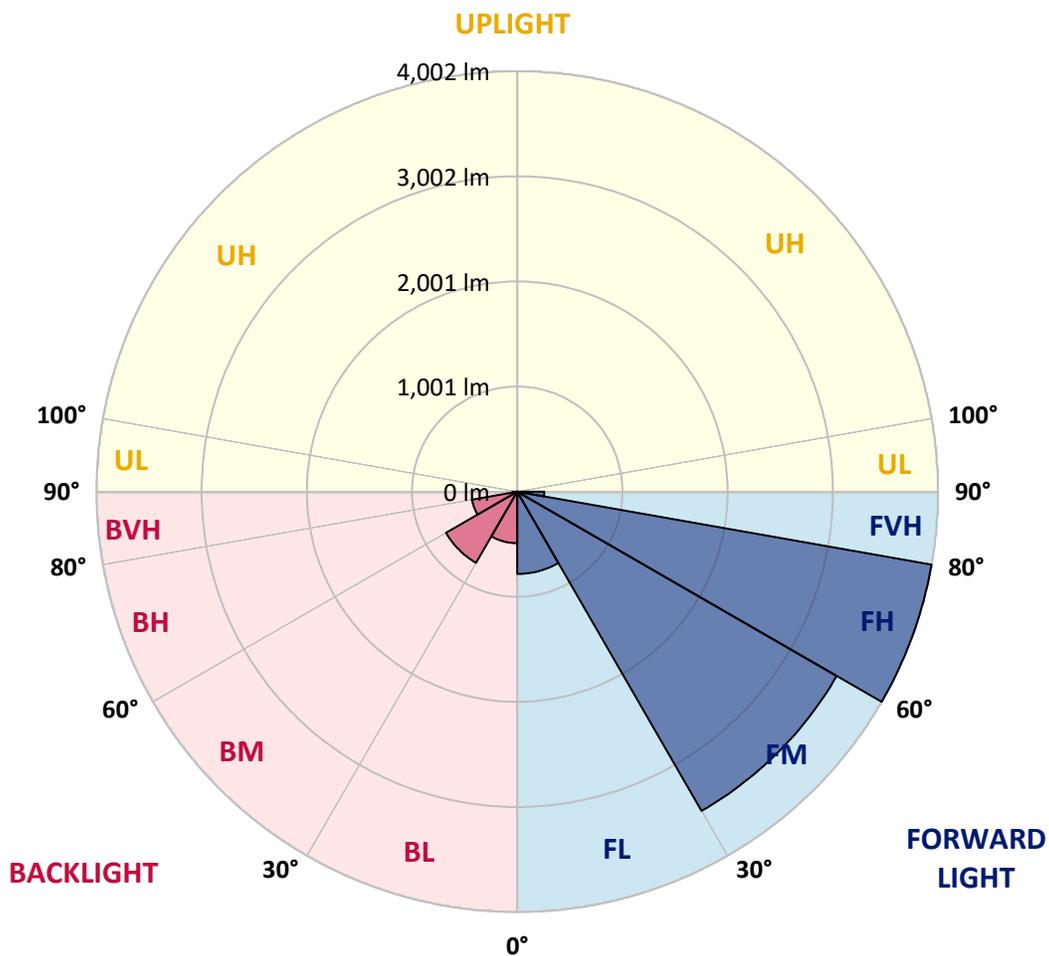
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	783.5	7.6			
FM	(30°-60°)	3508.4	34.0			
FH	(60°-80°)	4002.1	38.8			G2/5000
FVH	(80°-90°)	257.5	2.5			G3/500
BL	(0°-30°)	490.7	4.8	B1/500		
BM	(30°-60°)	782.1	7.6	B1/1000		
BH	(60°-80°)	436.4	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





REPORT NUMBER: P1209016

CATALOG NUMBER: UPW-SA2-090-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2
2.5°	2023.1	2017.3	2020.2	2024.5	2013.1	2014.5	2000.2	1988.8	1980.2	1974.5	1961.6
5°	2073.1	2058.8	2064.5	2077.3	2064.5	2075.9	2060.2	2051.6	2037.3	2028.8	2000.2
7.5°	2031.6	2021.6	2035.9	2068.8	2084.5	2114.5	2117.3	2111.6	2105.9	2087.3	2051.6
10°	1840.2	1834.5	1871.6	1958.8	2031.6	2104.5	2153.1	2153.1	2155.9	2143.1	2100.2
12.5°	1597.3	1593.0	1641.6	1748.7	1891.6	2058.8	2174.5	2187.4	2210.2	2205.9	2151.6
15°	1435.9	1433.0	1471.6	1557.3	1704.5	1941.6	2171.6	2214.5	2261.6	2271.6	2204.5
17.5°	1353.0	1353.0	1380.1	1445.9	1547.3	1778.7	2108.8	2203.1	2298.8	2345.9	2264.5
20°	1330.1	1327.3	1343.0	1383.0	1453.0	1633.0	2014.5	2163.1	2327.4	2405.9	2303.1
22.5°	1341.6	1338.7	1344.4	1364.4	1404.4	1535.9	1913.0	2103.1	2343.1	2458.8	2337.4
25°	1397.3	1394.4	1387.3	1385.8	1394.4	1490.1	1810.2	2035.9	2358.8	2534.5	2378.8
27.5°	1505.9	1497.3	1473.0	1450.1	1427.3	1480.1	1744.5	1975.9	2378.8	2597.4	2404.5
30°	1645.9	1643.0	1613.0	1570.2	1494.4	1503.0	1703.0	1920.2	2378.8	2646.0	2403.1
32.5°	1748.7	1750.2	1744.5	1718.7	1611.6	1554.4	1687.3	1874.5	2374.5	2713.1	2408.8
35°	1857.3	1857.3	1843.0	1843.0	1773.0	1654.4	1710.2	1870.2	2398.8	2824.6	2450.2
37.5°	2041.6	2038.8	2008.8	1978.8	1927.3	1815.9	1777.3	1911.6	2466.0	3003.1	2506.0
40°	2284.5	2290.2	2228.8	2145.9	2085.9	2003.1	1903.0	2017.3	2570.2	3216.0	2577.4
42.5°	2577.4	2593.1	2497.4	2383.1	2278.8	2170.2	2078.8	2185.9	2754.6	3518.9	2700.3
45°	2937.4	2921.7	2801.7	2648.8	2511.7	2327.4	2271.6	2404.5	2994.6	3929.0	2888.9
47.5°	3250.3	3258.9	3111.7	2944.6	2774.6	2518.8	2516.0	2724.6	3311.8	4349.0	3106.0
50°	3554.6	3580.3	3417.5	3241.7	3060.3	2733.1	2824.6	3041.7	3651.8	4777.6	3374.6
52.5°	3793.2	3810.4	3658.9	3507.5	3327.5	3016.0	3188.9	3448.9	3996.1	5187.6	3683.2
55°	3981.8	4006.1	3836.1	3710.4	3573.2	3324.6	3606.1	3850.4	4353.3	5569.1	3999.0
57.5°	4237.6	4251.8	4037.5	3927.5	3798.9	3676.1	4064.7	4301.8	4736.2	5893.4	4326.1
60°	4433.3	4441.9	4220.4	4186.1	4183.3	4160.4	4574.7	4786.2	5096.2	6196.3	4660.5
62.5°	4263.3	4263.3	4110.4	4206.1	4553.3	4956.2	5281.9	5344.8	5467.7	6490.6	4981.9
65°	3377.5	3411.8	3428.9	3750.4	4526.2	5770.6	6454.9	6177.7	5932.0	6760.7	5244.8
67.5°	1773.0	1841.6	2000.2	2554.5	3731.8	6067.7	7957.9	7590.7	6590.6	6942.1	5347.7
70°	902.9	922.9	1005.8	1315.8	2348.8	5286.2	8850.9	8872.3	7376.4	7020.7	5273.4
72.5°	685.8	685.8	704.4	765.8	1085.8	3526.1	8500.8	9128.0	7939.3	6862.1	4923.3
75°	571.5	578.6	615.8	624.3	548.6	1830.2	6895.0	7919.3	7340.7	6280.6	4300.4
77.5°	458.6	462.9	521.5	555.8	370.0	782.9	5027.6	6180.6	5660.5	5076.2	3028.9
80°	345.7	352.9	405.8	475.8	274.3	375.8	3387.5	4227.6	3541.8	3111.7	1398.7
82.5°	231.5	234.3	277.2	375.8	202.9	208.6	1995.9	2368.8	1721.6	1165.8	367.2
85°	141.4	144.3	172.9	242.9	134.3	111.4	885.8	915.8	544.3	277.2	131.4
87.5°	64.3	71.4	90.0	117.2	67.1	45.7	148.6	145.7	107.2	100.0	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



REPORT NUMBER: P1209016

CATALOG NUMBER: UPW-SA2-090-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2
2.5°	1943.0	1927.3	1911.6	1890.2	1871.6	1840.2	1818.7	1797.3	1785.9	1783.0	1778.7
5°	1977.3	1950.2	1904.5	1844.5	1778.7	1704.5	1634.4	1573.0	1531.6	1518.7	1524.4
7.5°	2017.3	1978.8	1888.8	1773.0	1640.2	1494.4	1371.6	1291.6	1241.5	1213.0	1218.7
10°	2053.1	1997.3	1854.5	1660.2	1433.0	1250.1	1153.0	1097.2	1071.5	1068.7	1067.2
12.5°	2088.8	2015.9	1801.6	1498.7	1247.3	1103.0	1054.4	1038.7	1035.8	1038.7	1037.2
15°	2130.2	2025.9	1711.6	1331.6	1115.8	1041.5	1025.8	1021.5	1023.0	1030.1	1028.7
17.5°	2164.5	2021.6	1571.6	1180.1	1045.8	1011.5	997.2	990.1	997.2	1010.1	1010.1
20°	2175.9	1980.2	1410.1	1074.4	1007.2	978.7	958.7	947.2	955.8	971.5	974.4
22.5°	2167.4	1901.6	1244.4	1000.1	967.2	940.1	918.7	907.2	911.5	922.9	924.4
25°	2154.5	1798.7	1098.7	942.9	915.8	894.4	888.7	874.4	867.2	874.4	875.8
27.5°	2115.9	1663.0	978.7	884.4	858.7	861.5	858.7	845.8	835.8	834.4	837.2
30°	2030.2	1474.4	888.7	824.4	815.8	831.5	831.5	812.9	794.4	791.5	795.8
32.5°	1927.3	1281.6	814.4	774.4	791.5	800.1	800.1	784.4	765.8	754.4	760.1
35°	1825.9	1098.7	757.2	740.1	772.9	780.1	772.9	767.2	737.2	708.6	715.8
37.5°	1708.7	941.5	707.2	714.4	751.5	754.4	754.4	734.4	694.4	670.1	675.8
40°	1581.6	822.9	665.8	691.5	728.6	728.6	717.2	704.4	684.4	660.1	662.9
42.5°	1500.1	742.9	634.3	667.2	692.9	701.5	675.8	685.8	668.6	642.9	645.8
45°	1488.7	692.9	608.6	630.1	652.9	650.1	651.5	658.6	642.9	608.6	607.2
47.5°	1558.7	677.2	584.3	588.6	608.6	618.6	627.2	630.1	607.2	570.1	564.3
50°	1714.5	704.4	560.1	551.5	568.6	591.5	600.1	604.3	577.2	538.6	532.9
52.5°	1954.5	788.6	538.6	520.1	518.6	558.6	582.9	594.3	551.5	510.0	507.2
55°	2220.2	902.9	510.0	492.9	477.2	532.9	568.6	581.5	527.2	472.9	468.6
57.5°	2503.1	1038.7	477.2	465.8	447.2	508.6	542.9	552.9	490.0	428.6	425.8
60°	2798.8	1160.1	445.8	435.8	425.8	475.8	511.5	514.3	455.8	394.3	391.5
62.5°	3066.0	1243.0	415.8	404.3	404.3	437.2	474.3	471.5	420.0	362.9	360.0
65°	3263.2	1233.0	388.6	374.3	380.0	395.8	428.6	418.6	381.5	332.9	330.0
67.5°	3343.2	1127.3	362.9	347.2	348.6	352.9	380.0	372.9	342.9	302.9	301.5
70°	3260.3	937.2	330.0	310.0	307.2	308.6	335.7	322.9	301.5	275.7	274.3
72.5°	3013.1	785.8	292.9	275.7	270.0	265.7	288.6	282.9	267.2	245.7	247.2
75°	2641.7	678.6	252.9	241.5	231.5	227.2	245.7	242.9	231.5	217.2	217.2
77.5°	1845.9	495.8	208.6	204.3	198.6	190.0	204.3	205.7	198.6	194.3	192.9
80°	800.1	277.2	164.3	167.2	160.0	154.3	165.7	167.2	172.9	167.2	168.6
82.5°	231.5	137.2	118.6	127.2	124.3	118.6	124.3	137.2	128.6	112.9	115.7
85°	85.7	65.7	74.3	80.0	75.7	60.0	78.6	90.0	81.4	75.7	77.2
87.5°	32.9	24.3	31.4	27.1	21.4	15.7	27.1	30.0	40.0	15.7	12.9
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)