

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: P1208285

Luminaire Tested: UPW-SA1-060-730-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208285
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-SA1-060-730-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 6597 lumens
Efficiency: N/A
Efficacy: 111.8 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): 59
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

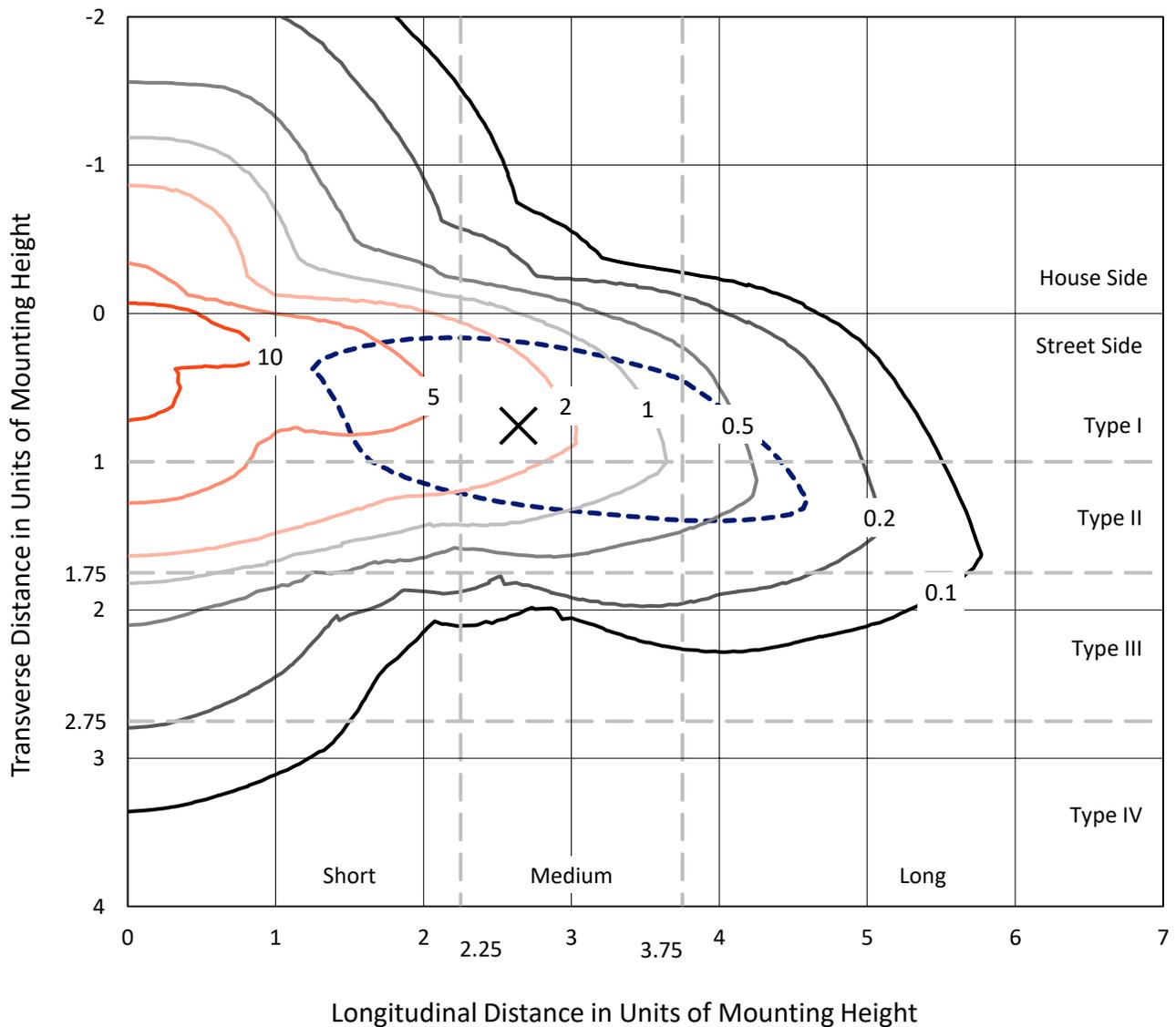


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

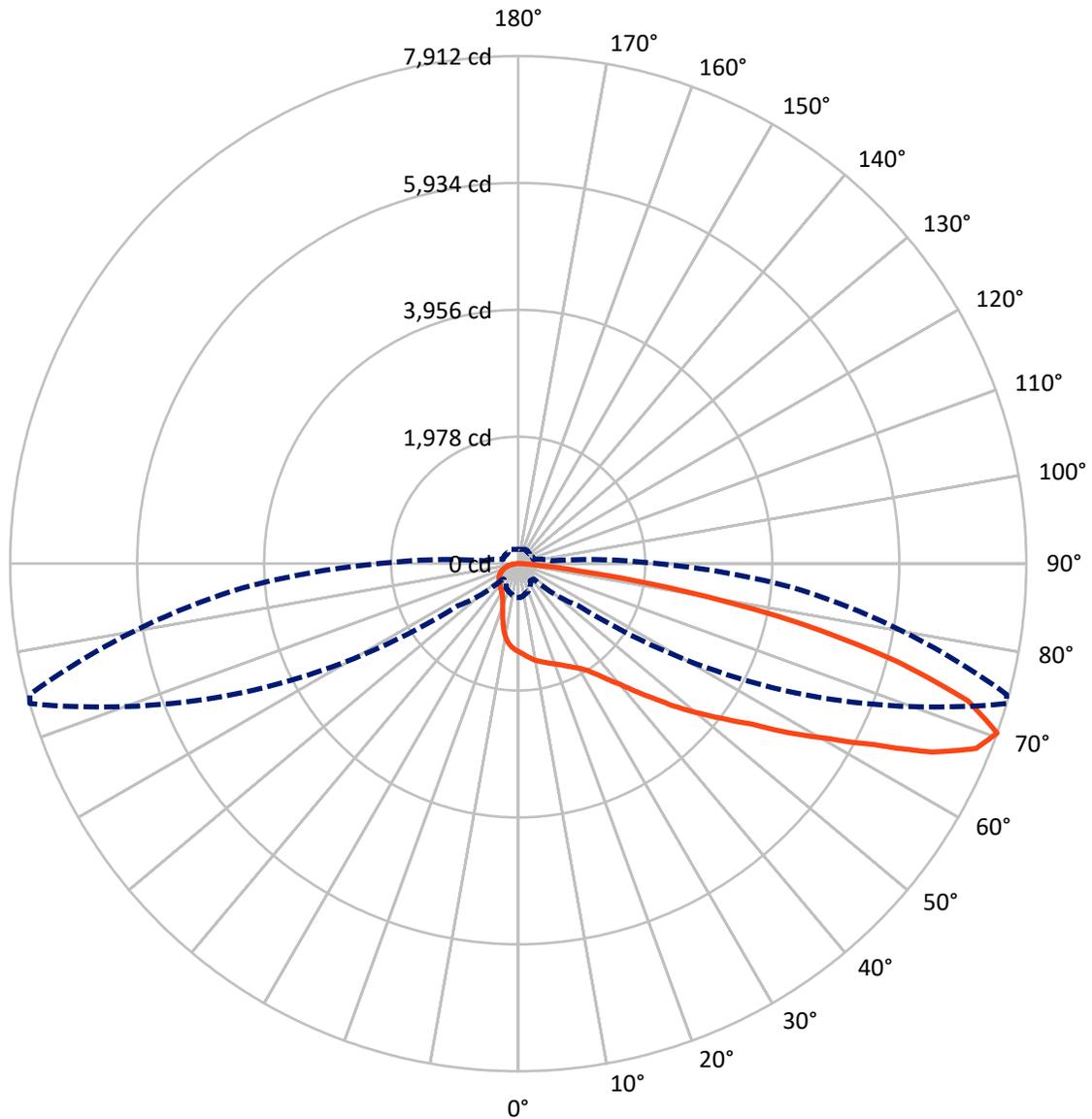


Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Medium - N/A

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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	1207.5	0.0	1207.5
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	5389.5	0.0	5389.5
	% Fixture	81.7	0.0	81.7
Total	Lumens	6597.0	0.0	6597.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	1.8
10°-20°	317.4	4.8
20°-30°	502.6	7.6
30°-40°	748.9	11.4
40°-50°	1032.7	15.7
50°-60°	1384.9	21.0
60°-70°	1437.3	21.8
70°-80°	909.5	13.8
80°-90°	143.2	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°	6597.0	100.0
0°-180°	6597.0	100.0



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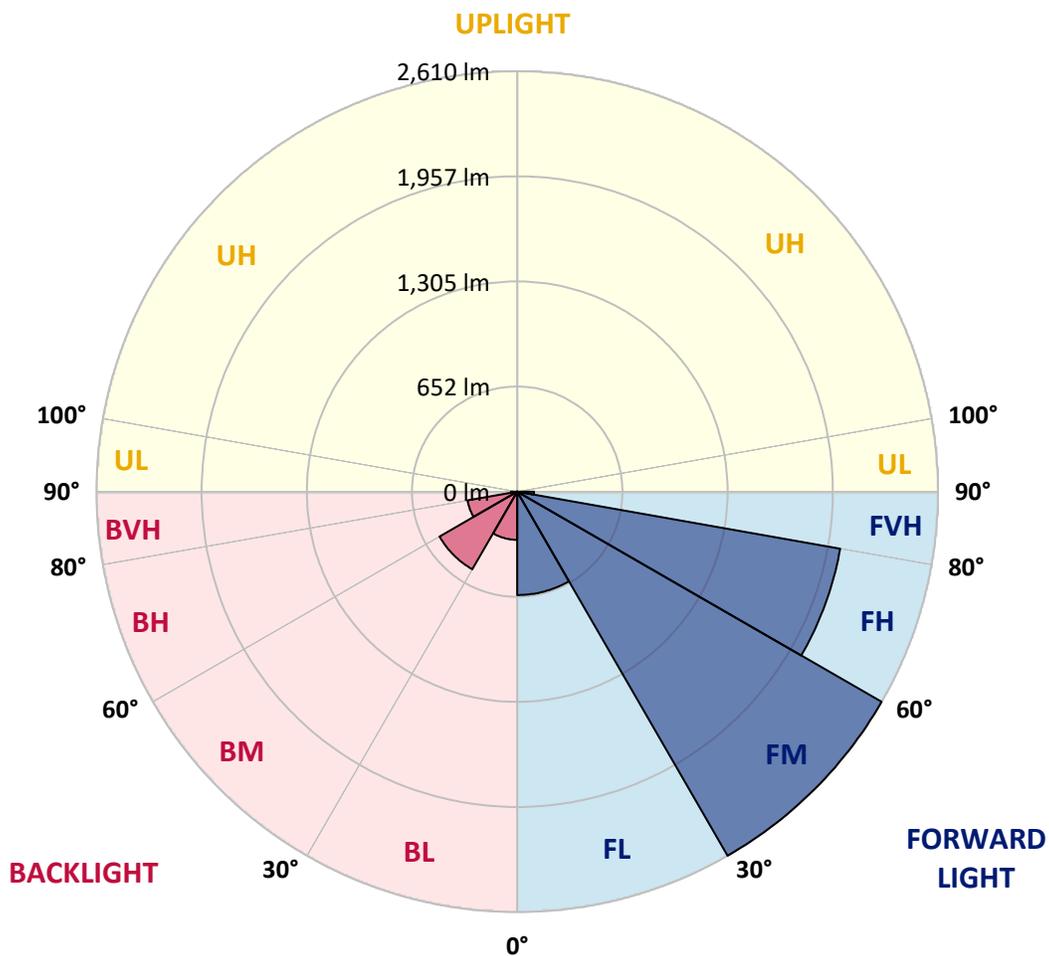
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.8	9.7			
FM (30°-60°)	2609.7	39.6			
FH (60°-80°)	2034.0	30.8			G2/5000
FVH (80°-90°)	104.0	1.6			G2/225
BL (0°-30°)	298.9	4.5	B1/500		
BM (30°-60°)	556.8	8.4	B1/1000		
BH (60°-80°)	312.7	4.7	B1/500		G1/500
BVH (80°-90°)	39.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7
2.5°	1469.0	1466.7	1461.6	1461.6	1459.4	1454.2	1439.4	1423.9	1409.2	1407.7	1388.5
5°	1529.5	1525.8	1525.1	1525.1	1522.1	1516.9	1497.0	1475.6	1454.2	1449.8	1415.1
7.5°	1558.3	1555.3	1556.1	1559.8	1565.7	1561.2	1543.5	1525.1	1496.3	1492.6	1440.9
10°	1542.8	1545.0	1553.8	1574.5	1589.3	1597.4	1582.6	1565.7	1536.1	1531.7	1461.6
12.5°	1444.6	1451.2	1479.3	1532.4	1588.5	1619.5	1618.8	1601.1	1565.7	1562.0	1477.8
15°	1296.2	1288.1	1339.8	1424.7	1526.5	1614.4	1643.2	1635.0	1599.6	1594.4	1497.0
17.5°	1223.1	1223.9	1246.8	1299.2	1411.4	1572.3	1656.5	1669.0	1635.8	1629.1	1518.4
20°	1252.7	1251.9	1254.2	1271.9	1325.8	1486.7	1657.2	1705.9	1671.2	1666.8	1537.6
22.5°	1336.8	1333.9	1327.2	1312.5	1313.9	1410.6	1646.9	1746.5	1716.2	1707.4	1550.9
25°	1454.2	1446.8	1425.4	1392.2	1356.8	1387.8	1620.3	1793.8	1767.9	1758.3	1564.9
27.5°	1587.8	1586.3	1563.4	1500.0	1432.8	1416.5	1590.0	1845.4	1829.2	1815.9	1580.4
30°	1725.8	1717.7	1696.3	1628.4	1543.5	1479.3	1581.2	1902.3	1894.1	1877.2	1593.0
32.5°	1801.1	1797.4	1783.4	1742.1	1668.3	1570.1	1607.0	1960.6	1987.2	1974.6	1620.3
35°	1860.9	1854.3	1839.5	1822.5	1784.9	1689.7	1666.8	2030.7	2125.9	2103.8	1678.6
37.5°	1917.8	1910.4	1900.0	1883.8	1859.4	1804.1	1753.9	2126.7	2301.6	2286.1	1767.2
40°	1981.2	1973.1	1959.8	1948.8	1914.8	1897.8	1835.8	2218.2	2489.8	2482.5	1873.5
42.5°	2029.2	2020.4	2013.7	2006.3	1969.4	1937.7	1900.0	2305.3	2743.8	2725.3	2014.5
45°	2064.7	2059.5	2059.5	2050.6	2026.3	1939.2	1945.1	2421.9	3016.9	3011.0	2209.3
47.5°	2103.0	2096.4	2100.1	2092.0	2084.6	1940.6	2000.4	2577.7	3345.4	3340.2	2427.1
50°	2148.8	2142.2	2156.9	2145.1	2148.1	1984.9	2079.4	2772.6	3670.2	3657.6	2658.9
52.5°	2154.7	2153.2	2190.1	2216.7	2238.1	2086.1	2213.0	3005.1	4025.2	4025.2	2929.1
55°	2035.1	2032.2	2103.8	2216.7	2337.0	2280.2	2461.1	3369.0	4417.9	4428.3	3169.7
57.5°	1652.8	1666.8	1787.8	2010.0	2331.9	2557.0	2827.9	3811.9	4971.6	4937.6	3405.9
60°	1051.2	1071.8	1168.5	1474.1	1983.5	2603.5	3222.8	4374.4	5533.3	5468.4	3718.2
62.5°	694.6	676.9	678.4	822.3	1276.3	2187.9	3300.4	5041.0	6211.0	6163.7	3995.7
65°	617.8	605.3	542.6	504.9	620.1	1366.4	2806.5	5521.5	7082.0	6949.9	4208.3
67.5°	586.1	573.6	515.2	456.9	390.5	698.3	1994.5	5432.9	7690.3	7606.8	4365.5
70°	530.7	523.4	476.1	431.1	326.3	337.3	1150.8	4769.3	7912.4	7872.6	4293.9
72.5°	461.4	452.5	420.8	389.8	286.4	248.8	552.2	3780.9	7328.5	7325.6	3990.5
75°	377.9	370.6	344.7	334.4	242.1	203.7	313.7	2655.2	6105.4	6072.9	3546.9
77.5°	309.3	299.0	281.2	273.1	200.8	163.9	220.7	1853.5	4505.8	4420.9	2482.5
80°	224.4	217.8	200.8	220.0	158.7	127.0	163.9	1153.0	2647.8	2475.1	930.1
82.5°	136.6	123.3	138.8	168.3	117.4	90.8	120.3	642.9	949.3	834.1	277.6
85°	63.5	65.0	81.2	107.8	70.1	53.1	75.3	281.2	275.3	263.5	116.6
87.5°	10.3	11.1	31.0	47.2	29.5	17.7	30.3	62.0	104.1	107.0	50.2
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°	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7	1373.7
2.5°	1376.7	1364.9	1343.5	1319.8	1293.3	1268.9	1258.6	1224.6	1216.5	1214.3	1197.3
5°	1390.7	1364.9	1308.8	1242.3	1164.8	1094.7	1017.2	955.2	920.5	917.5	922.0
7.5°	1404.7	1364.1	1261.5	1127.2	989.9	854.1	771.4	722.7	688.7	680.6	682.8
10°	1412.1	1353.8	1189.2	982.5	792.8	693.9	646.6	629.7	624.5	620.1	620.1
12.5°	1413.6	1330.9	1093.2	826.8	676.9	628.9	615.6	611.2	610.5	609.7	608.3
15°	1415.1	1302.1	970.7	706.4	624.5	609.0	603.8	603.1	604.6	603.8	603.8
17.5°	1413.6	1263.0	851.8	637.0	605.3	599.4	596.4	595.7	597.9	597.2	596.4
20°	1408.4	1212.8	736.0	601.6	592.0	590.5	586.8	583.9	586.8	587.6	586.8
22.5°	1388.5	1139.0	652.5	579.5	579.5	579.5	575.0	571.3	576.5	578.0	578.7
25°	1357.5	1050.4	590.5	561.0	564.7	563.2	563.2	562.5	567.7	569.1	569.9
27.5°	1325.0	958.1	547.0	541.1	547.0	550.7	557.3	558.1	558.1	556.6	555.8
30°	1283.7	857.8	518.9	523.4	531.5	544.8	556.6	555.1	549.9	544.8	545.5
32.5°	1250.5	776.6	491.6	507.9	522.6	541.8	552.2	554.4	553.6	544.8	544.8
35°	1237.9	711.6	473.2	494.6	516.7	534.4	538.9	548.5	547.0	535.9	535.2
37.5°	1246.0	659.2	456.9	480.5	507.9	516.7	526.3	528.5	510.1	498.3	495.3
40°	1263.7	620.8	442.2	462.8	493.1	500.5	513.8	493.8	478.3	468.7	470.2
42.5°	1313.2	604.6	428.9	442.9	471.0	487.9	482.8	476.9	455.5	439.9	438.5
45°	1391.5	603.8	417.1	422.2	445.9	463.6	462.8	456.2	433.3	417.1	414.9
47.5°	1498.5	618.6	404.5	403.0	422.2	433.3	443.6	433.3	409.7	391.2	389.0
50°	1626.2	657.0	392.7	383.1	396.4	413.4	418.5	411.2	389.0	371.3	369.1
52.5°	1779.7	710.1	382.4	365.4	369.1	392.7	404.5	397.9	372.8	353.6	350.6
55°	1928.8	760.3	368.3	346.9	341.0	373.5	392.0	391.2	354.3	334.4	332.9
57.5°	2081.6	807.6	352.8	331.4	321.8	352.8	378.7	381.6	335.1	313.7	313.7
60°	2236.7	840.8	333.7	315.2	310.0	330.0	358.8	359.5	318.2	301.9	303.4
62.5°	2363.6	820.8	314.5	299.7	296.0	307.8	336.6	343.2	316.7	299.0	300.4
65°	2417.5	754.4	293.1	284.9	279.0	283.5	310.0	318.2	290.1	270.2	272.4
67.5°	2382.8	657.7	271.6	268.0	259.8	258.4	275.3	280.5	259.8	247.3	245.8
70°	2176.9	524.8	245.8	245.8	238.4	231.8	240.6	245.1	228.8	221.5	222.9
72.5°	1883.8	426.7	220.7	223.7	213.3	204.5	209.6	211.9	202.3	198.6	197.1
75°	1629.9	356.5	195.6	200.0	189.0	174.9	180.9	180.9	172.7	172.0	171.3
77.5°	1188.5	268.0	168.3	173.5	164.6	146.9	148.4	149.1	146.2	146.2	146.9
80°	508.6	163.9	137.3	145.4	136.6	115.2	119.6	119.6	127.0	145.4	142.5
82.5°	169.0	97.4	104.1	114.4	104.8	85.6	90.8	97.4	125.5	120.3	114.4
85°	72.3	53.9	66.4	72.3	67.2	51.7	59.1	101.9	93.0	90.1	90.8
87.5°	24.4	22.9	28.1	33.2	23.6	16.2	30.3	62.0	60.5	45.8	44.3
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)