

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: P1208339

Luminaire Tested: UPW-SA1-060-740-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-740-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 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: 7245 lumens  
Efficiency: N/A  
Efficacy: 122.8 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

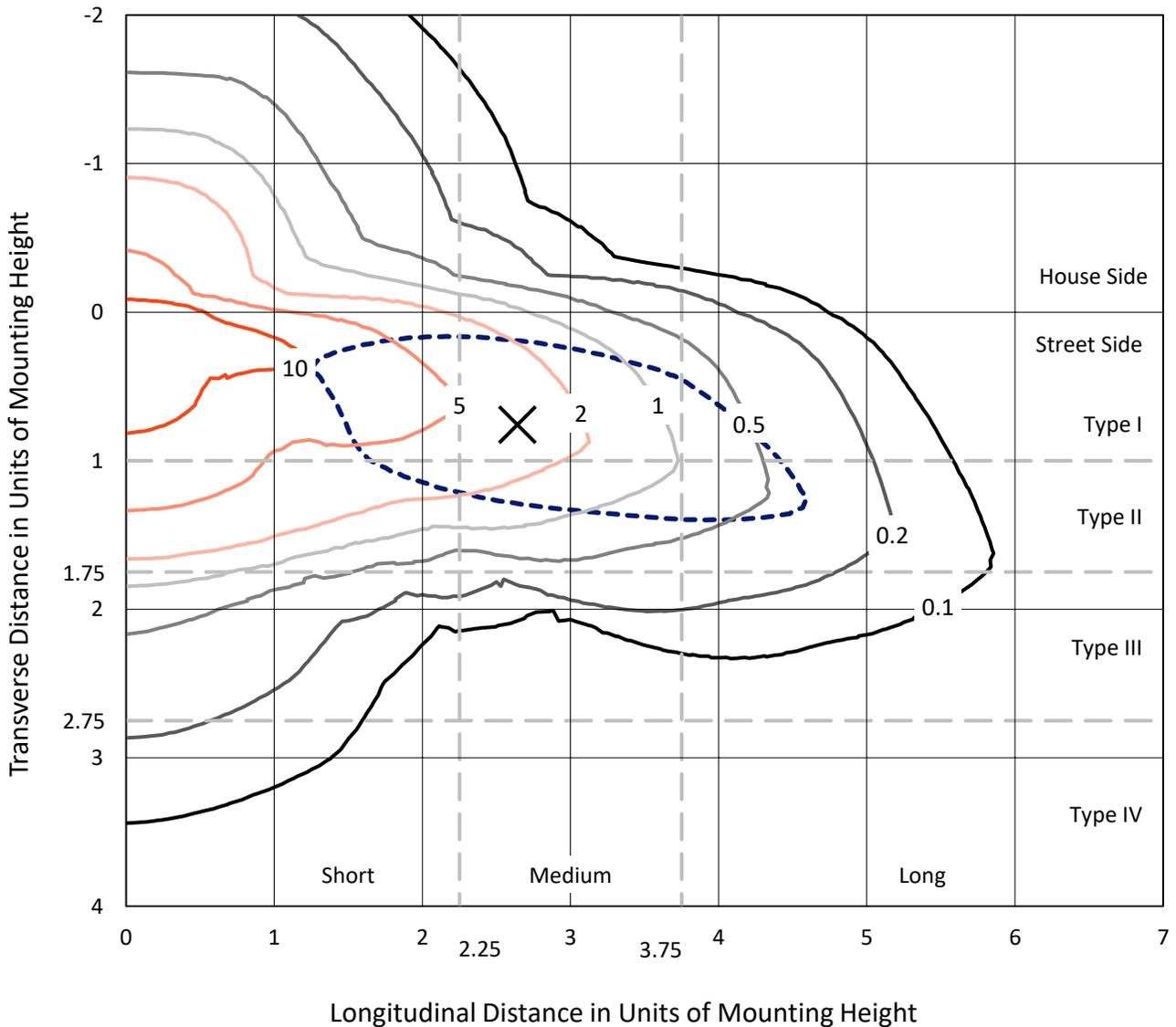


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

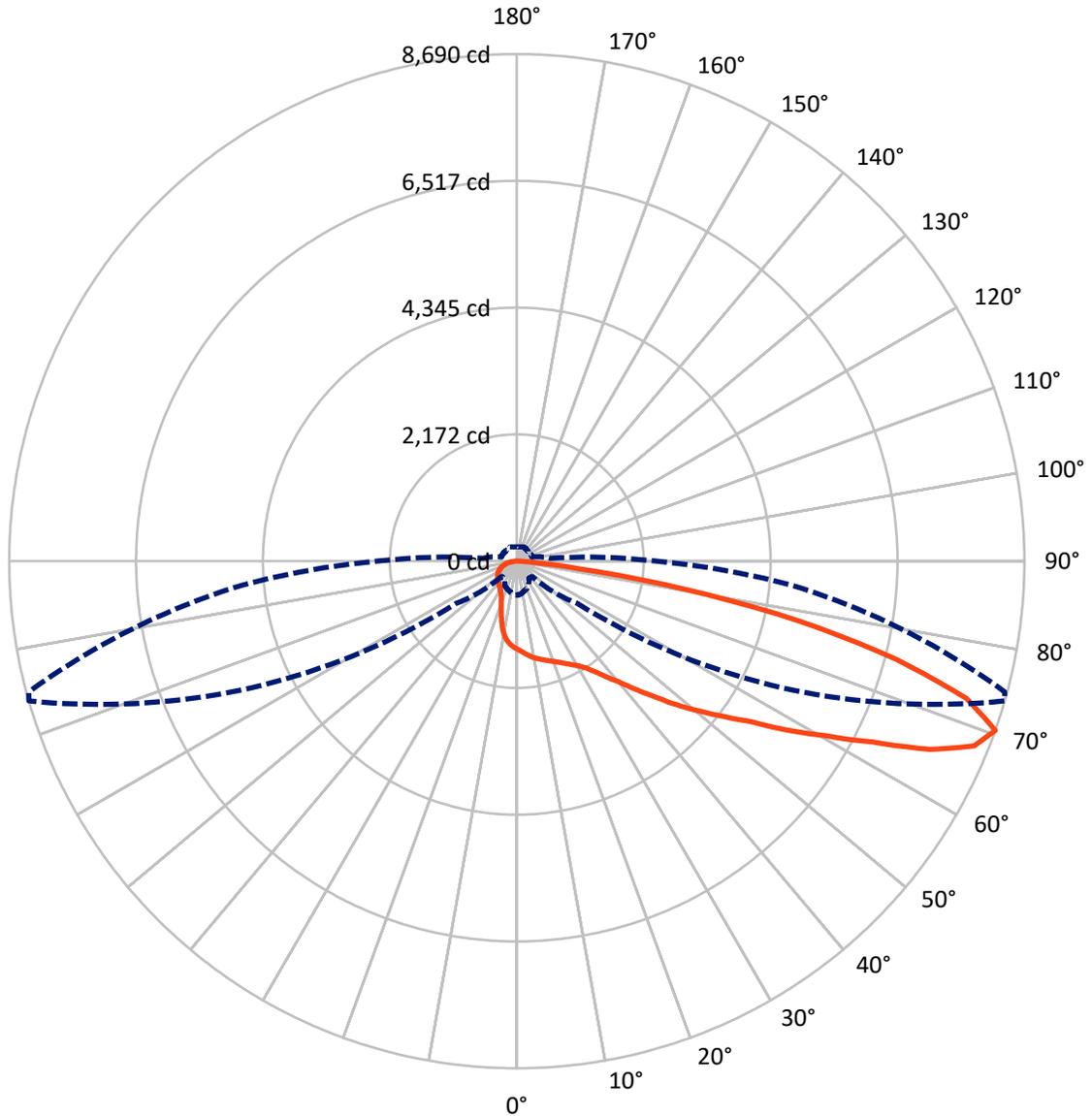


Based on 10 foot mounting height. Maximum calculated value = 16.8 fc  
 Type II - Medium - N/A

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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
<b>House Side</b>	Lumens	1326.1	0.0	1326.1
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	5918.9	0.0	5918.9
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	7245.0	0.0	7245.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	1.8
10°-20°	348.6	4.8
20°-30°	551.9	7.6
30°-40°	822.4	11.4
40°-50°	1134.1	15.7
50°-60°	1521.0	21.0
60°-70°	1578.5	21.8
70°-80°	998.8	13.8
80°-90°	157.2	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°	7245.0	100.0
0°-180°	7245.0	100.0



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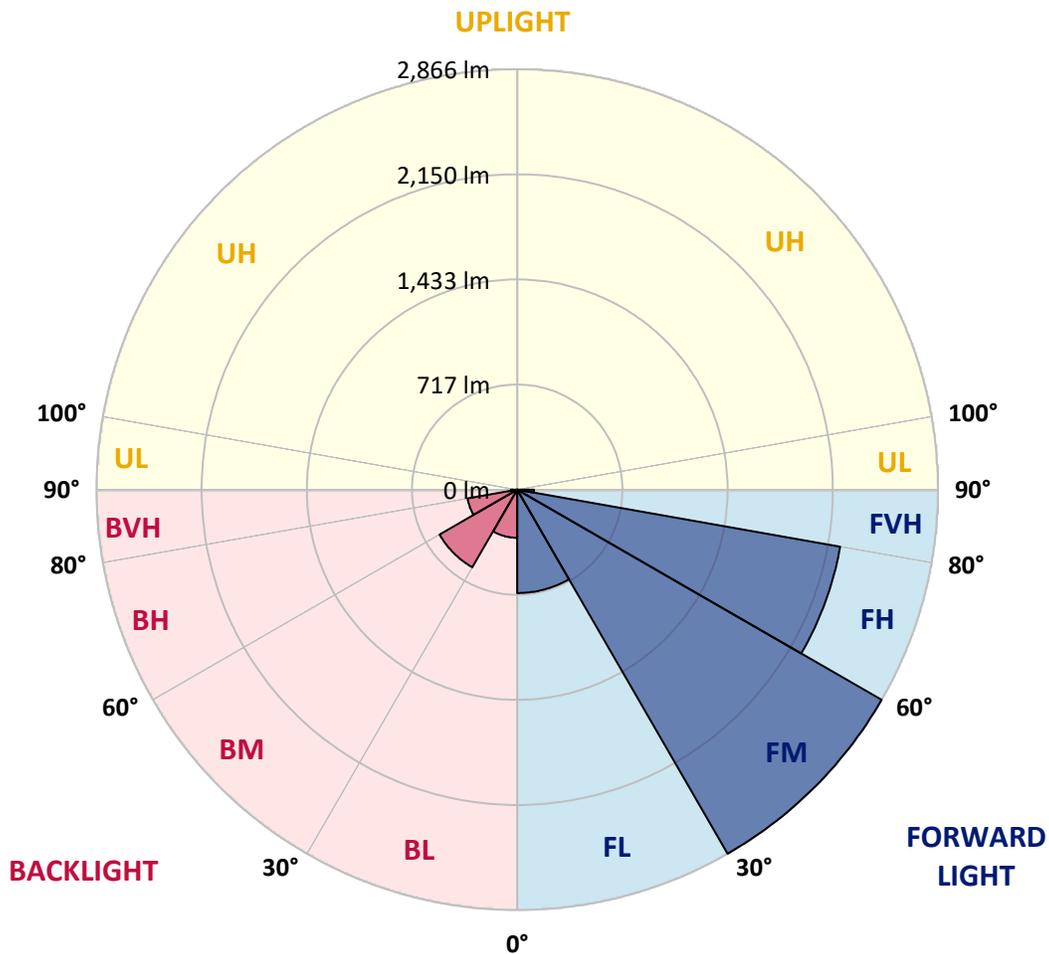
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	704.8	9.7			
FM	(30°-60°)	2866.0	39.6			
FH	(60°-80°)	2233.8	30.8			G2/5000
FVH	(80°-90°)	114.3	1.6			G2/225
BL	(0°-30°)	328.2	4.5	B1/500		
BM	(30°-60°)	611.5	8.4	B1/1000		
BH	(60°-80°)	343.5	4.7	B1/500		G1/500
BVH	(80°-90°)	43.0	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°	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7
2.5°	1613.2	1610.8	1605.1	1605.1	1602.7	1597.0	1580.8	1563.8	1547.6	1546.0	1524.9
5°	1679.7	1675.7	1674.9	1674.9	1671.6	1665.9	1644.1	1620.5	1597.0	1592.2	1554.1
7.5°	1711.3	1708.1	1708.9	1713.0	1719.4	1714.6	1695.1	1674.9	1643.2	1639.2	1582.4
10°	1694.3	1696.7	1706.5	1729.2	1745.4	1754.3	1738.1	1719.4	1687.0	1682.2	1605.1
12.5°	1586.5	1593.8	1624.6	1683.0	1744.6	1778.6	1777.8	1758.4	1719.4	1715.4	1623.0
15°	1423.5	1414.6	1471.4	1564.6	1676.5	1773.0	1804.6	1795.7	1756.7	1751.1	1644.1
17.5°	1343.3	1344.1	1369.2	1426.8	1550.0	1726.7	1819.2	1832.9	1796.5	1789.2	1667.6
20°	1375.7	1374.9	1377.3	1396.8	1456.0	1632.7	1820.0	1873.5	1835.4	1830.5	1688.6
22.5°	1468.1	1464.9	1457.6	1441.4	1443.0	1549.2	1808.6	1918.1	1884.8	1875.1	1703.2
25°	1597.0	1588.9	1565.4	1528.9	1490.0	1524.1	1779.4	1969.9	1941.6	1931.0	1718.6
27.5°	1743.8	1742.1	1717.0	1647.3	1573.5	1555.7	1746.2	2026.7	2008.9	1994.3	1735.7
30°	1895.4	1886.4	1862.9	1788.4	1695.1	1624.6	1736.5	2089.1	2080.2	2061.6	1749.4
32.5°	1978.1	1974.0	1958.6	1913.2	1832.1	1724.3	1764.8	2153.2	2182.3	2168.6	1779.4
35°	2043.7	2036.4	2020.2	2001.6	1960.2	1855.6	1830.5	2230.2	2334.8	2310.4	1843.5
37.5°	2106.1	2098.0	2086.7	2068.8	2042.1	1981.3	1926.2	2335.6	2527.7	2510.7	1940.8
40°	2175.9	2166.9	2152.3	2140.2	2102.9	2084.3	2016.2	2436.1	2734.4	2726.3	2057.5
42.5°	2228.6	2218.8	2211.5	2203.4	2162.9	2128.0	2086.7	2531.7	3013.3	2993.0	2212.3
45°	2267.5	2261.8	2261.8	2252.1	2225.3	2129.7	2136.1	2659.8	3313.2	3306.8	2426.4
47.5°	2309.6	2302.3	2306.4	2297.5	2289.4	2131.3	2196.9	2830.9	3674.0	3668.3	2665.5
50°	2359.9	2352.6	2368.8	2355.8	2359.1	2179.9	2283.7	3044.9	4030.7	4016.9	2920.1
52.5°	2366.4	2364.7	2405.3	2434.5	2458.0	2291.0	2430.4	3300.3	4420.6	4420.6	3216.8
55°	2235.0	2231.8	2310.4	2434.5	2566.6	2504.2	2702.8	3699.9	4851.9	4863.3	3481.0
57.5°	1815.1	1830.5	1963.5	2207.5	2560.9	2808.2	3105.7	4186.3	5459.9	5422.6	3740.5
60°	1154.4	1177.1	1283.3	1618.9	2178.3	2859.3	3539.4	4804.1	6076.8	6005.5	4083.4
62.5°	762.8	743.4	745.0	903.1	1401.7	2402.8	3624.5	5536.1	6821.0	6769.2	4388.2
65°	678.5	664.8	595.8	554.5	681.0	1500.6	3082.2	6063.9	7777.6	7632.5	4621.7
67.5°	643.7	629.9	565.9	501.8	428.8	766.9	2190.5	5966.6	8445.6	8354.0	4794.3
70°	582.9	574.8	522.9	473.4	358.3	370.5	1263.8	5237.8	8689.7	8645.9	4715.7
72.5°	506.7	496.9	462.1	428.0	314.5	273.2	606.4	4152.3	8048.4	8045.2	4382.5
75°	415.1	407.0	378.6	367.2	265.9	223.7	344.5	2916.0	6705.1	6669.4	3895.3
77.5°	339.7	328.3	308.9	300.0	220.5	180.0	242.4	2035.6	4948.4	4855.1	2726.3
80°	246.4	239.1	220.5	241.6	174.3	139.4	180.0	1266.3	2907.9	2718.2	1021.5
82.5°	150.0	135.4	152.4	184.8	128.9	99.7	132.1	706.1	1042.5	916.1	304.8
85°	69.7	71.3	89.2	118.4	77.0	58.4	82.7	308.9	302.4	289.4	128.1
87.5°	11.3	12.2	34.0	51.9	32.4	19.5	33.2	68.1	114.3	117.5	55.1
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°	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7	1508.7
2.5°	1511.9	1498.9	1475.4	1449.5	1420.3	1393.6	1382.2	1344.9	1336.0	1333.6	1314.9
5°	1527.3	1498.9	1437.3	1364.4	1279.2	1202.2	1117.1	1049.0	1010.9	1007.7	1012.5
7.5°	1542.7	1498.1	1385.4	1237.9	1087.1	938.0	847.2	793.7	756.4	747.4	749.9
10°	1550.8	1486.8	1306.0	1079.0	870.7	762.0	710.2	691.5	685.8	681.0	681.0
12.5°	1552.4	1461.7	1200.6	908.0	743.4	690.7	676.1	671.2	670.4	669.6	668.0
15°	1554.1	1430.0	1066.0	775.8	685.8	668.8	663.1	662.3	663.9	663.1	663.1
17.5°	1552.4	1387.1	935.5	699.6	664.8	658.3	655.0	654.2	656.6	655.8	655.0
20°	1546.8	1331.9	808.2	660.7	650.2	648.5	644.5	641.2	644.5	645.3	644.5
22.5°	1524.9	1250.9	716.6	636.4	636.4	636.4	631.5	627.5	633.1	634.8	635.6
25°	1490.8	1153.6	648.5	616.1	620.2	618.5	618.5	617.7	623.4	625.0	625.8
27.5°	1455.2	1052.3	600.7	594.2	600.7	604.8	612.1	612.9	612.9	611.3	610.4
30°	1409.8	942.0	569.9	574.8	583.7	598.3	611.3	609.6	604.0	598.3	599.1
32.5°	1373.3	852.8	539.9	557.7	574.0	595.0	606.4	608.8	608.0	598.3	598.3
35°	1359.5	781.5	519.6	543.2	567.5	586.9	591.8	602.3	600.7	588.6	587.7
37.5°	1368.4	723.9	501.8	527.8	557.7	567.5	578.0	580.4	560.2	547.2	544.0
40°	1387.9	681.8	485.6	508.3	541.5	549.6	564.2	542.3	525.3	514.8	516.4
42.5°	1442.2	663.9	471.0	486.4	517.2	535.9	530.2	523.7	500.2	483.2	481.5
45°	1528.1	663.1	458.0	463.7	489.6	509.1	508.3	501.0	475.9	458.0	455.6
47.5°	1645.7	679.3	444.3	442.6	463.7	475.9	487.2	475.9	449.9	429.7	427.2
50°	1785.9	721.5	431.3	420.7	435.3	454.0	459.7	451.5	427.2	407.8	405.3
52.5°	1954.5	779.9	419.9	401.3	405.3	431.3	444.3	437.0	409.4	388.3	385.1
55°	2118.3	835.0	404.5	381.0	374.5	410.2	430.5	429.7	389.1	367.2	365.6
57.5°	2286.1	886.9	387.5	364.0	353.5	387.5	415.9	419.1	368.0	344.5	344.5
60°	2456.4	923.4	366.4	346.2	340.5	362.4	394.0	394.8	349.4	331.6	333.2
62.5°	2595.8	901.5	345.3	329.1	325.1	338.1	369.7	377.0	347.8	328.3	329.9
65°	2655.0	828.5	321.8	312.9	306.4	311.3	340.5	349.4	318.6	296.7	299.1
67.5°	2616.9	722.3	298.3	294.3	285.4	283.7	302.4	308.1	285.4	271.6	270.0
70°	2390.7	576.4	270.0	270.0	261.8	254.6	264.3	269.1	251.3	243.2	244.8
72.5°	2068.8	468.6	242.4	245.6	234.3	224.6	230.2	232.7	222.1	218.1	216.5
75°	1790.0	391.6	214.8	219.7	207.5	192.1	198.6	198.6	189.7	188.9	188.1
77.5°	1305.2	294.3	184.8	190.5	180.8	161.3	162.9	163.8	160.5	160.5	161.3
80°	558.6	180.0	150.8	159.7	150.0	126.5	131.3	131.3	139.4	159.7	156.5
82.5°	185.6	107.0	114.3	125.7	115.1	94.0	99.7	107.0	137.8	132.1	125.7
85°	79.4	59.2	73.0	79.4	73.8	56.7	64.9	111.9	102.1	98.9	99.7
87.5°	26.8	25.1	30.8	36.5	25.9	17.8	33.2	68.1	66.5	50.3	48.6
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)