

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: P1208584

Luminaire Tested: UPW-SA1-070-740-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208584
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-SA1-070-740-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7863 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

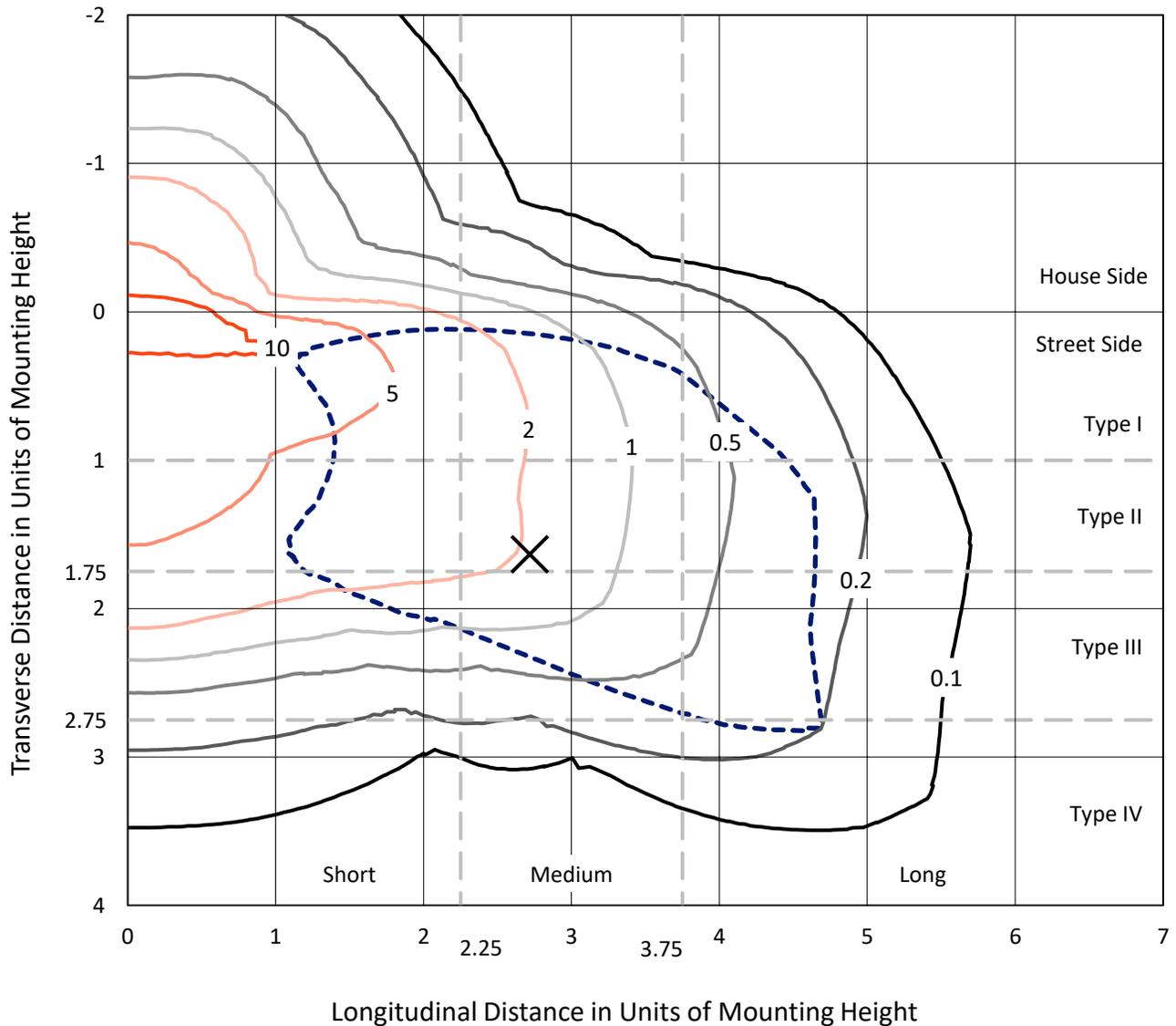


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

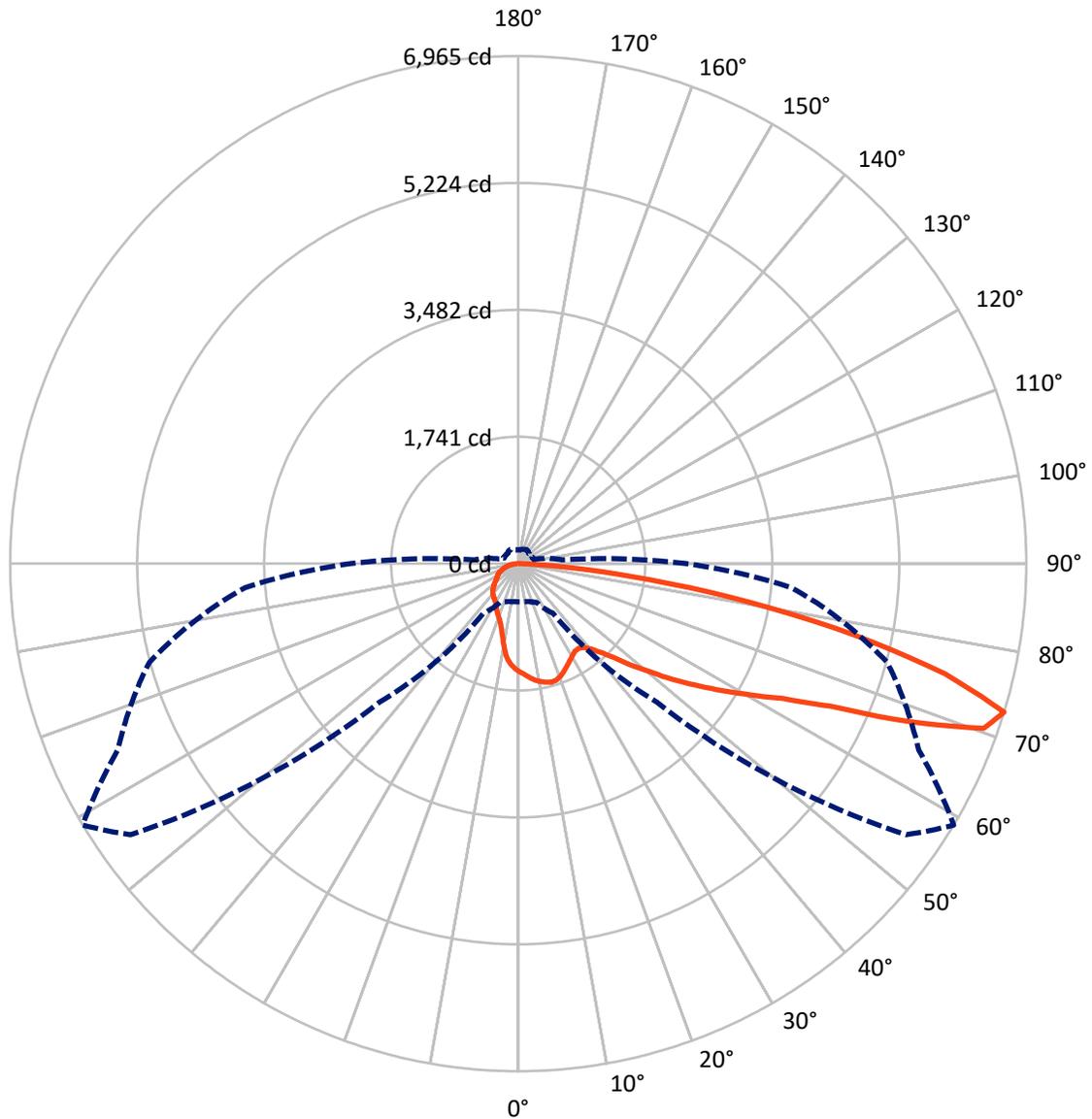


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type III - Medium - N/A

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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	1338.0	0.0	1338.0
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	6525.0	0.0	6525.0
	% Fixture	83.0	0.0	83.0
Total	Lumens	7863.0	0.0	7863.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	1.7
10°-20°	339.7	4.3
20°-30°	499.5	6.4
30°-40°	686.3	8.7
40°-50°	1025.2	13.0
50°-60°	1562.3	19.9
60°-70°	2002.4	25.5
70°-80°	1384.2	17.6
80°-90°	230.3	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°	7863.0	100.0
0°-180°	7863.0	100.0



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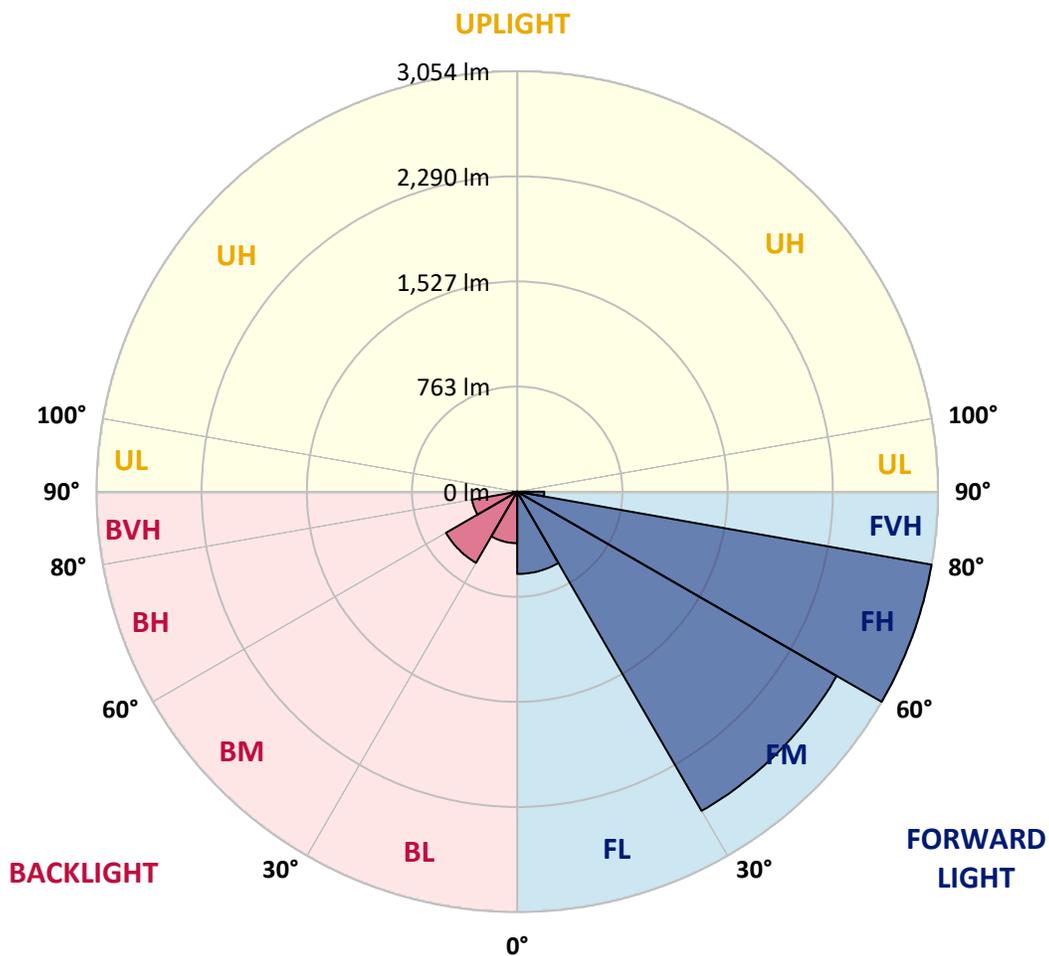
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	597.8	7.6			
FM	(30°-60°)	2677.0	34.0			
FH	(60°-80°)	3053.7	38.8			G2/5000
FVH	(80°-90°)	196.4	2.5			G2/225
BL	(0°-30°)	374.4	4.8	B1/500		
BM	(30°-60°)	596.8	7.6	B1/1000		
BH	(60°-80°)	333.0	4.2	B1/500		G1/500
BVH	(80°-90°)	33.9	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4
2.5°	1543.6	1539.3	1541.5	1544.7	1536.0	1537.1	1526.2	1517.5	1510.9	1506.6	1496.8
5°	1581.8	1570.9	1575.3	1585.1	1575.3	1584.0	1572.0	1565.4	1554.5	1548.0	1526.2
7.5°	1550.2	1542.6	1553.5	1578.5	1590.5	1613.4	1615.6	1611.2	1606.9	1592.7	1565.4
10°	1404.1	1399.7	1428.1	1494.6	1550.2	1605.8	1642.8	1642.8	1645.0	1635.2	1602.5
12.5°	1218.8	1215.5	1252.6	1334.3	1443.4	1570.9	1659.2	1669.0	1686.5	1683.2	1641.8
15°	1095.6	1093.4	1122.8	1188.3	1300.5	1481.5	1657.0	1689.7	1725.7	1733.3	1682.1
17.5°	1032.4	1032.4	1053.1	1103.2	1180.6	1357.2	1609.1	1681.0	1754.0	1790.0	1727.9
20°	1014.9	1012.7	1024.7	1055.3	1108.7	1246.0	1537.1	1650.5	1775.8	1835.8	1757.3
22.5°	1023.6	1021.5	1025.8	1041.1	1071.6	1171.9	1459.7	1604.7	1787.8	1876.1	1783.5
25°	1066.2	1064.0	1058.5	1057.4	1064.0	1137.0	1381.2	1553.5	1799.8	1933.9	1815.1
27.5°	1149.0	1142.5	1123.9	1106.5	1089.1	1129.4	1331.1	1507.7	1815.1	1981.9	1834.7
30°	1255.8	1253.7	1230.8	1198.1	1140.3	1146.8	1299.5	1465.2	1815.1	2018.9	1833.6
32.5°	1334.3	1335.4	1331.1	1311.4	1229.7	1186.1	1287.5	1430.3	1811.8	2070.2	1838.0
35°	1417.2	1417.2	1406.3	1406.3	1352.9	1262.4	1304.9	1427.0	1830.4	2155.2	1869.6
37.5°	1557.8	1555.6	1532.7	1509.9	1470.6	1385.6	1356.1	1458.6	1881.6	2291.5	1912.1
40°	1743.1	1747.5	1700.6	1637.4	1591.6	1528.4	1452.1	1539.3	1961.2	2453.9	1966.6
42.5°	1966.6	1978.6	1905.6	1818.4	1738.8	1655.9	1586.2	1667.9	2101.8	2685.0	2060.4
45°	2241.3	2229.3	2137.8	2021.1	1916.5	1775.8	1733.3	1834.7	2284.9	2997.9	2204.3
47.5°	2480.1	2486.6	2374.3	2246.8	2117.1	1921.9	1919.7	2078.9	2527.0	3318.4	2370.0
50°	2712.3	2731.9	2607.6	2473.5	2335.1	2085.4	2155.2	2320.9	2786.4	3645.4	2574.9
52.5°	2894.3	2907.4	2791.9	2676.3	2538.9	2301.3	2433.2	2631.6	3049.1	3958.3	2810.4
55°	3038.2	3056.8	2927.0	2831.1	2726.5	2536.8	2751.5	2937.9	3321.7	4249.4	3051.3
57.5°	3233.4	3244.3	3080.8	2996.8	2898.7	2804.9	3101.5	3282.4	3613.8	4496.8	3301.0
60°	3382.7	3389.3	3220.3	3194.1	3191.9	3174.5	3490.6	3652.0	3888.5	4728.0	3556.1
62.5°	3253.0	3253.0	3136.3	3209.4	3474.3	3781.7	4030.3	4078.2	4172.0	4952.5	3801.3
65°	2577.1	2603.3	2616.3	2861.6	3453.6	4403.1	4925.3	4713.8	4526.3	5158.6	4001.9
67.5°	1352.9	1405.2	1526.2	1949.2	2847.5	4629.8	6072.1	5791.9	5028.8	5297.0	4080.4
70°	689.0	704.2	767.5	1004.0	1792.2	4033.5	6753.5	6769.8	5628.4	5357.0	4023.7
72.5°	523.3	523.3	537.4	584.3	828.5	2690.5	6486.4	6964.9	6057.9	5236.0	3756.6
75°	436.1	441.5	469.9	476.4	418.6	1396.5	5261.0	6042.7	5601.2	4792.3	3281.3
77.5°	349.9	353.2	397.9	424.1	282.3	597.4	3836.2	4716.0	4319.2	3873.3	2311.1
80°	263.8	269.3	309.6	363.0	209.3	286.7	2584.7	3225.7	2702.5	2374.3	1067.3
82.5°	176.6	178.8	211.5	286.7	154.8	159.2	1522.9	1807.5	1313.6	889.6	280.2
85°	107.9	110.1	131.9	185.3	102.5	85.0	675.9	698.8	415.3	211.5	100.3
87.5°	49.1	54.5	68.7	89.4	51.2	34.9	113.4	111.2	81.8	76.3	42.5
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°	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4
2.5°	1482.6	1470.6	1458.6	1442.3	1428.1	1404.1	1387.8	1371.4	1362.7	1360.5	1357.2
5°	1508.8	1488.0	1453.2	1407.4	1357.2	1300.5	1247.1	1200.3	1168.6	1158.8	1163.2
7.5°	1539.3	1509.9	1441.2	1352.9	1251.5	1140.3	1046.5	985.5	947.3	925.5	929.9
10°	1566.5	1524.0	1415.0	1266.7	1093.4	953.9	879.7	837.2	817.6	815.4	814.3
12.5°	1593.8	1538.2	1374.7	1143.6	951.7	841.6	804.5	792.5	790.4	792.5	791.4
15°	1625.4	1545.8	1306.0	1016.0	851.4	794.7	782.7	779.5	780.5	786.0	784.9
17.5°	1651.6	1542.6	1199.2	900.5	798.0	771.8	760.9	755.5	760.9	770.7	770.7
20°	1660.3	1510.9	1076.0	819.8	768.6	746.7	731.5	722.8	729.3	741.3	743.5
22.5°	1653.8	1451.0	949.5	763.1	738.0	717.3	701.0	692.2	695.5	704.2	705.3
25°	1643.9	1372.5	838.3	719.5	698.8	682.4	678.1	667.2	661.7	667.2	668.3
27.5°	1614.5	1268.9	746.7	674.8	655.2	657.4	655.2	645.4	637.7	636.6	638.8
30°	1549.1	1125.0	678.1	629.0	622.5	634.5	634.5	620.3	606.1	603.9	607.2
32.5°	1470.6	977.9	621.4	590.9	603.9	610.5	610.5	598.5	584.3	575.6	580.0
35°	1393.2	838.3	577.8	564.7	589.8	595.2	589.8	585.4	562.5	540.7	546.2
37.5°	1303.8	718.4	539.6	545.1	573.4	575.6	575.6	560.3	529.8	511.3	515.6
40°	1206.8	627.9	508.0	527.6	556.0	556.0	547.3	537.4	522.2	503.6	505.8
42.5°	1144.7	566.9	484.0	509.1	528.7	535.3	515.6	523.3	510.2	490.6	492.7
45°	1135.9	528.7	464.4	480.8	498.2	496.0	497.1	502.6	490.6	464.4	463.3
47.5°	1189.3	516.7	445.9	449.1	464.4	472.0	478.6	480.8	463.3	435.0	430.6
50°	1308.2	537.4	427.3	420.8	433.9	451.3	457.9	461.1	440.4	411.0	406.6
52.5°	1491.3	601.8	411.0	396.8	395.7	426.2	444.8	453.5	420.8	389.2	387.0
55°	1694.1	689.0	389.2	376.1	364.1	406.6	433.9	443.7	402.3	360.8	357.6
57.5°	1909.9	792.5	364.1	355.4	341.2	388.1	414.3	421.9	373.9	327.0	324.9
60°	2135.6	885.2	340.1	332.5	324.9	363.0	390.3	392.5	347.8	300.9	298.7
62.5°	2339.5	948.4	317.2	308.5	308.5	333.6	361.9	359.7	320.5	276.9	274.7
65°	2489.9	940.8	296.5	285.6	290.0	302.0	327.0	319.4	291.1	254.0	251.8
67.5°	2550.9	860.1	276.9	264.9	266.0	269.3	290.0	284.5	261.6	231.1	230.0
70°	2487.7	715.1	251.8	236.6	234.4	235.5	256.2	246.4	230.0	210.4	209.3
72.5°	2299.1	599.6	223.5	210.4	206.0	202.8	220.2	215.8	203.9	187.5	188.6
75°	2015.7	517.8	193.0	184.2	176.6	173.3	187.5	185.3	176.6	165.7	165.7
77.5°	1408.5	378.3	159.2	155.9	151.5	145.0	155.9	157.0	151.5	148.3	147.2
80°	610.5	211.5	125.4	127.5	122.1	117.7	126.5	127.5	131.9	127.5	128.6
82.5°	176.6	104.7	90.5	97.0	94.8	90.5	94.8	104.7	98.1	86.1	88.3
85°	65.4	50.1	56.7	61.0	57.8	45.8	60.0	68.7	62.1	57.8	58.9
87.5°	25.1	18.5	24.0	20.7	16.4	12.0	20.7	22.9	30.5	12.0	9.8
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)