

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: P1208529

Luminaire Tested: UPW-SA1-070-730-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5219 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

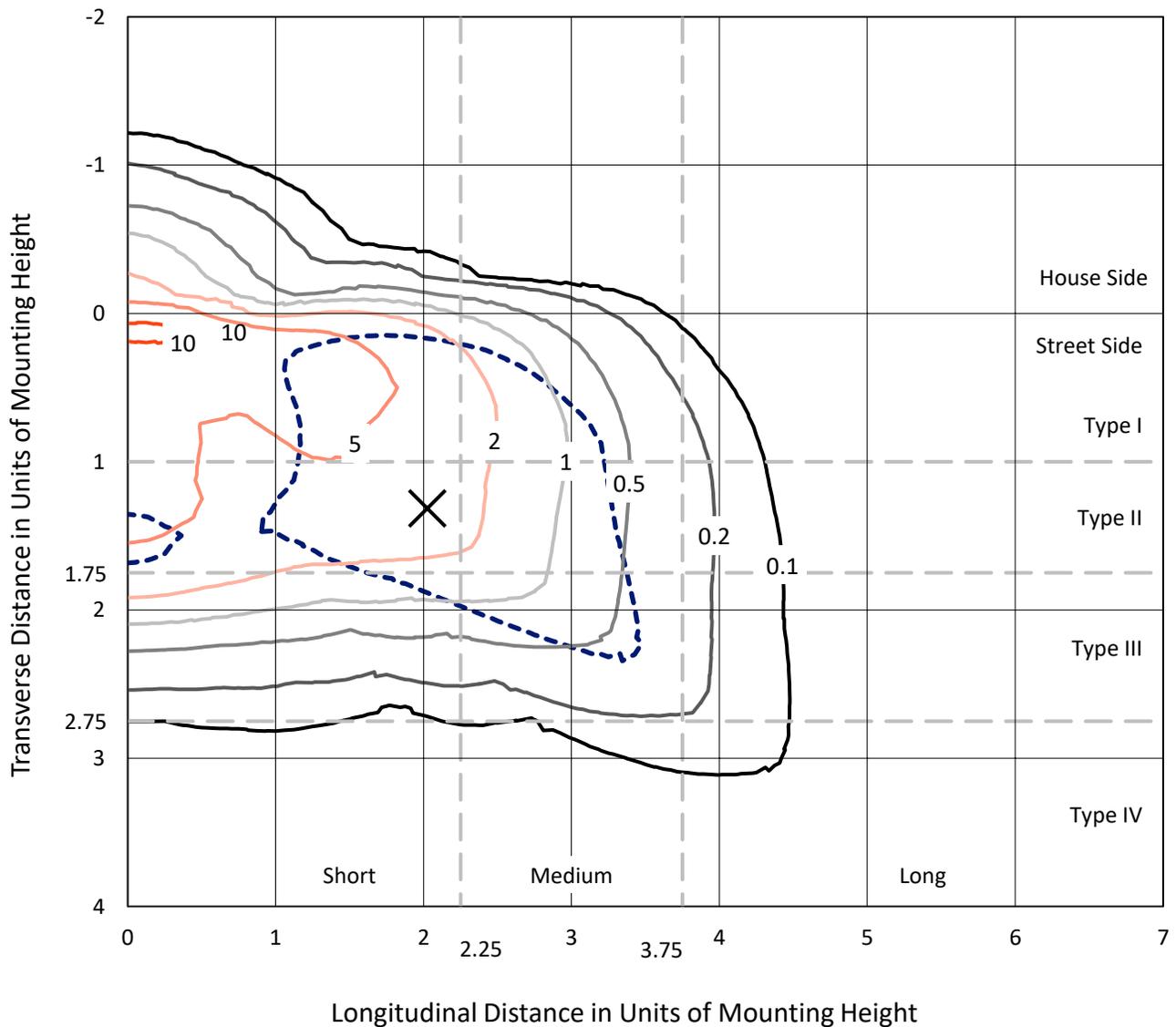
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

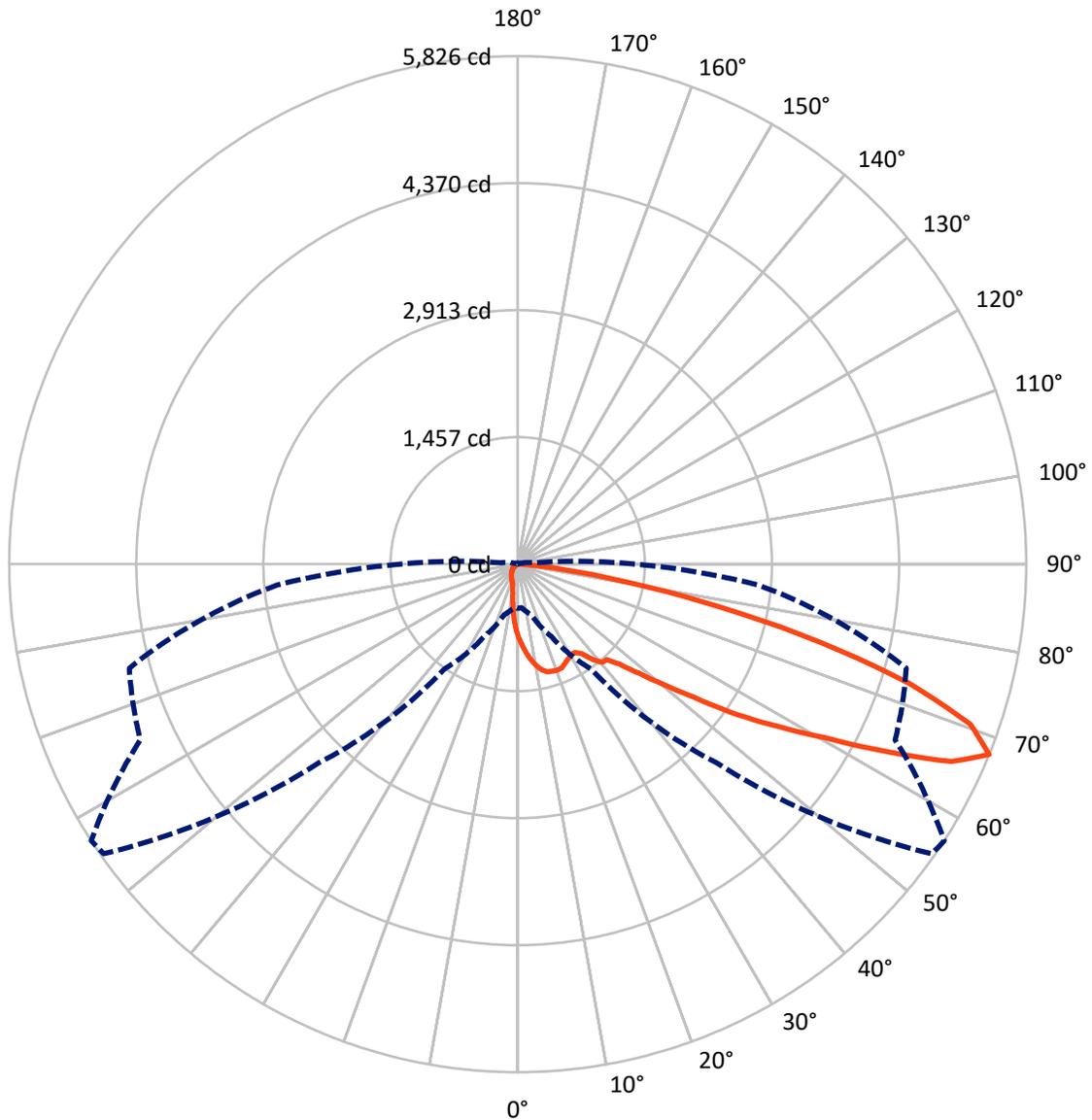
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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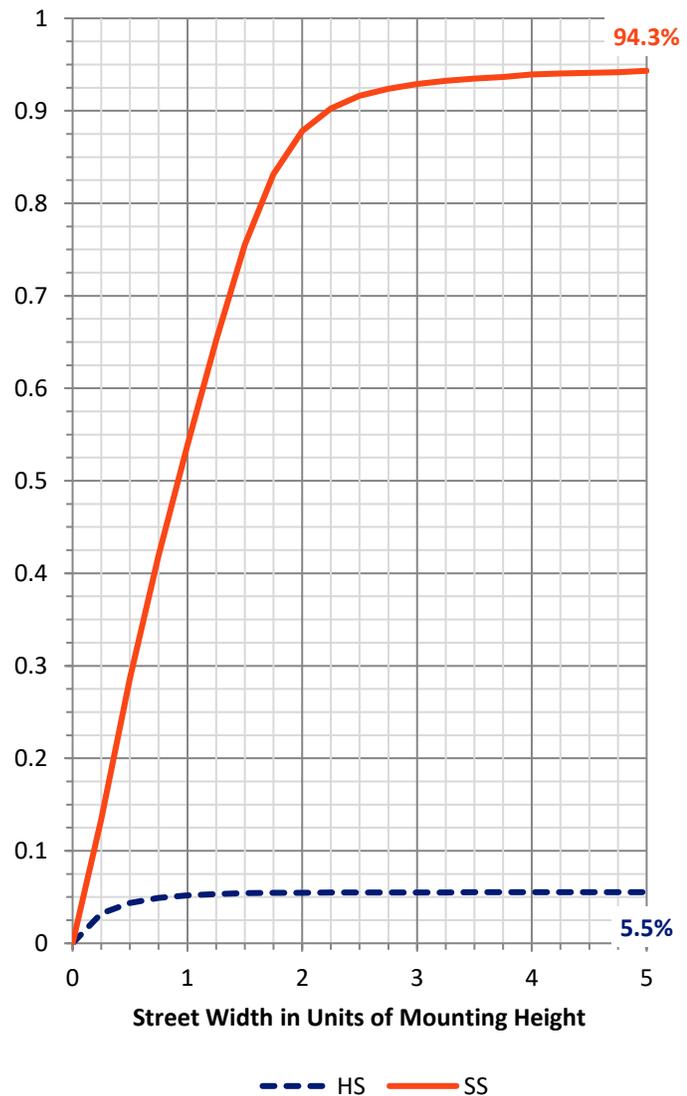
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	290.5	0.0	290.5
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	4928.5	0.0	4928.5
	% Fixture	94.4	0.0	94.4
Total	Lumens	5219.0	0.0	5219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	1.4
10°-20°	194.1	3.7
20°-30°	284.1	5.4
30°-40°	427.2	8.2
40°-50°	697.0	13.4
50°-60°	1319.3	25.3
60°-70°	1507.7	28.9
70°-80°	658.1	12.6
80°-90°	56.8	1.1
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°	5219.0	100.0
0°-180°	5219.0	100.0

Coefficient of Utilization



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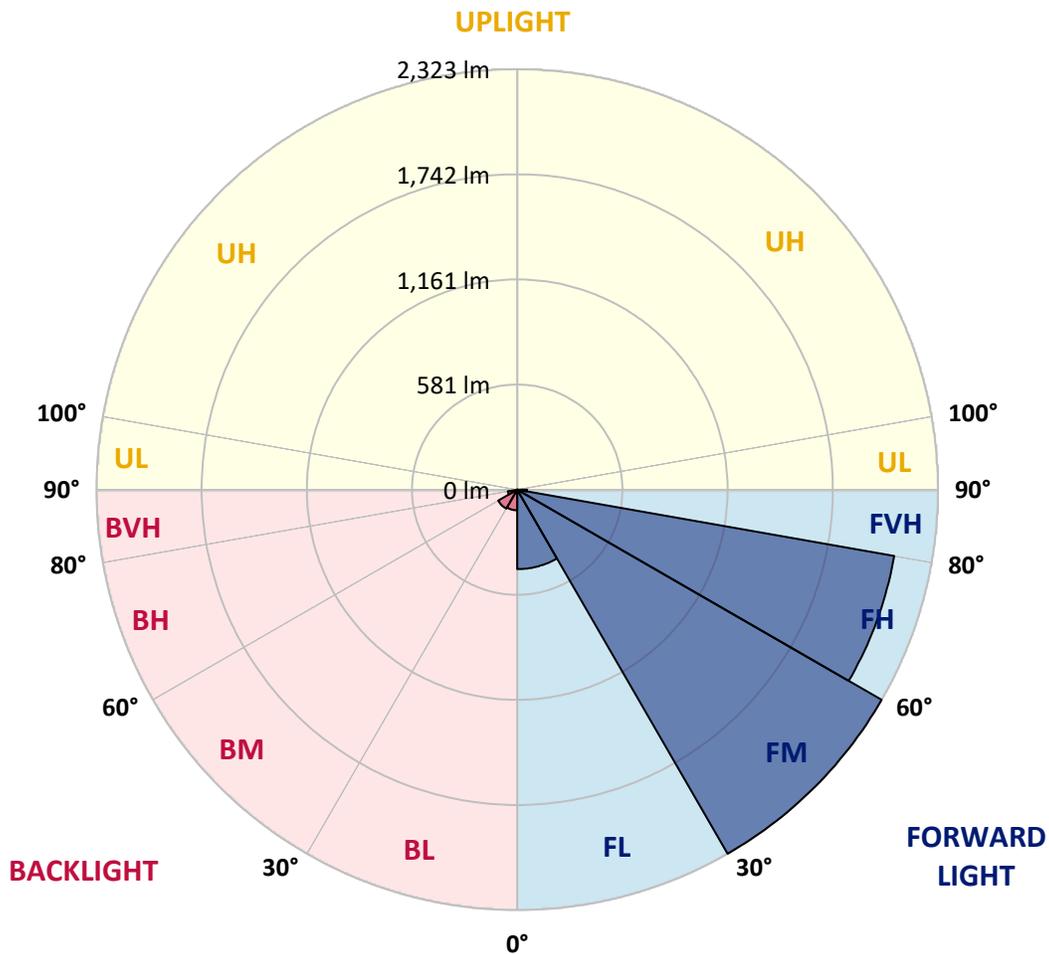
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.9	8.4			
FM (30°-60°)	2322.6	44.5			
FH (60°-80°)	2113.1	40.5			G2/5000
FVH (80°-90°)	54.0	1.0			G1/100
BL (0°-30°)	114.0	2.2	B1/500		
BM (30°-60°)	121.0	2.3	B0/220		
BH (60°-80°)	52.6	1.0	B0/110		G0/110
BVH (80°-90°)	2.8	0.1			G0/10
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3
2.5°	980.2	988.3	991.5	977.7	964.8	955.1	935.6	923.5	904.8	882.2	850.6
5°	1124.4	1123.6	1115.5	1104.9	1099.3	1068.5	1036.1	1023.1	993.1	936.4	874.9
7.5°	1178.6	1183.5	1189.2	1182.7	1173.0	1156.8	1118.7	1109.0	1065.2	991.5	904.8
10°	1153.5	1161.6	1171.3	1188.4	1220.8	1226.4	1197.3	1186.7	1134.1	1053.1	929.9
12.5°	1037.7	1049.8	1066.0	1121.1	1196.5	1243.4	1249.9	1246.7	1202.1	1108.2	947.8
15°	883.8	870.8	912.9	989.1	1113.0	1220.8	1279.1	1281.5	1258.8	1160.0	967.2
17.5°	767.9	780.1	798.7	856.2	985.0	1139.8	1275.0	1290.4	1301.0	1215.1	989.9
20°	748.5	749.3	757.4	789.0	856.2	1042.5	1261.3	1297.7	1352.8	1269.4	999.6
22.5°	767.1	762.3	766.3	772.8	814.9	943.7	1232.1	1291.2	1383.6	1336.6	1019.9
25°	791.4	797.1	789.8	781.7	806.0	899.2	1198.1	1258.8	1429.8	1396.5	1028.8
27.5°	859.5	862.7	843.3	814.1	823.0	878.9	1145.4	1232.9	1499.4	1463.8	1043.4
30°	970.5	967.2	926.7	878.9	858.7	891.9	1112.2	1204.6	1536.7	1515.6	1036.1
32.5°	1053.1	1046.6	1006.9	957.5	921.8	941.3	1112.2	1207.8	1612.0	1606.3	1049.8
35°	1127.6	1121.9	1072.5	1032.8	1002.0	1019.9	1174.6	1260.5	1719.8	1774.8	1098.4
37.5°	1208.6	1193.2	1154.3	1085.5	1075.8	1144.6	1309.1	1380.3	1890.7	1931.2	1100.1
40°	1336.6	1323.6	1261.3	1190.0	1137.3	1237.8	1414.4	1482.4	2011.4	2056.7	1093.6
42.5°	1512.4	1481.6	1404.6	1301.0	1216.7	1288.0	1426.5	1497.0	2102.9	2252.0	1156.0
45°	1703.6	1694.6	1587.7	1454.1	1365.0	1356.0	1555.3	1633.1	2306.2	2567.1	1291.2
47.5°	1979.8	1910.1	1769.2	1626.6	1550.5	1490.5	1753.0	1871.2	2554.1	2935.7	1492.9
50°	2270.6	2230.1	2015.4	1818.6	1725.4	1703.6	2065.7	2172.6	2871.7	3350.4	1829.1
52.5°	2766.4	2673.2	2383.2	2135.3	1974.1	1953.1	2405.9	2542.8	3229.7	3845.4	2168.5
55°	3100.1	3042.6	2751.0	2563.8	2352.4	2288.4	2887.9	3037.7	3668.0	4277.1	2507.9
57.5°	3207.0	3136.6	2874.1	2828.7	2780.1	2816.6	3387.7	3512.4	3971.7	4614.1	2808.5
60°	2778.5	2776.1	2626.2	2744.5	2985.1	3406.3	3978.2	4033.3	4218.0	4820.7	2995.6
62.5°	1998.4	1991.9	2021.9	2315.2	2763.9	3805.7	4790.7	4729.1	4431.8	4935.7	3096.9
65°	1036.1	1040.9	1191.6	1578.0	2223.6	3774.9	5534.3	5456.6	4563.9	4865.2	3025.6
67.5°	505.5	501.4	599.4	917.8	1468.6	3223.2	5789.5	5826.0	4771.3	4606.8	2768.0
70°	251.9	255.2	326.5	484.4	802.0	2315.2	5346.4	5501.1	4580.1	4056.8	2357.3
72.5°	177.4	179.8	222.0	287.6	375.1	1405.5	4437.5	4704.0	3822.7	3227.3	1661.4
75°	127.2	131.2	162.8	214.7	208.2	705.6	3429.8	3587.8	2771.2	1992.7	880.5
77.5°	92.3	98.0	127.2	165.3	144.2	296.5	2375.1	2371.0	1563.4	947.0	356.4
80°	60.8	64.8	94.0	122.3	102.9	137.7	1391.7	1310.7	691.8	362.9	129.6
82.5°	34.0	35.6	63.2	85.1	71.3	64.8	622.1	573.5	234.1	132.8	60.8
85°	2.4	4.1	37.3	53.5	38.1	32.4	174.2	158.0	75.3	60.8	32.4
87.5°	0.0	0.0	4.9	9.7	6.5	4.9	42.1	36.5	22.7	35.6	16.2
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°	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3
2.5°	837.6	814.9	780.9	747.7	715.3	686.1	665.1	644.0	635.1	614.8	649.7
5°	842.5	802.0	721.0	642.4	574.3	501.4	453.6	419.6	402.6	387.2	388.0
7.5°	847.3	785.8	661.0	528.2	430.1	353.2	310.3	294.9	288.4	280.3	280.3
10°	841.7	759.8	575.1	415.6	315.9	274.6	251.1	245.4	248.7	247.9	250.3
12.5°	841.7	729.1	487.7	324.0	259.2	234.9	228.4	227.6	232.5	235.7	237.3
15°	831.1	682.1	400.2	265.7	226.8	217.9	215.5	215.5	218.7	222.0	221.1
17.5°	822.2	635.1	327.3	228.4	207.4	204.9	203.3	201.7	205.8	209.0	209.8
20°	800.3	569.5	269.7	205.8	194.4	191.2	190.4	188.7	192.8	196.0	198.5
22.5°	768.7	494.9	230.9	188.7	183.1	179.0	176.6	177.4	181.5	184.7	183.1
25°	726.6	429.3	202.5	176.6	168.5	166.1	162.8	164.4	165.3	168.5	170.9
27.5°	680.5	365.3	183.9	166.9	158.8	153.9	149.9	149.1	149.9	153.9	152.3
30°	612.4	309.4	170.9	155.5	146.6	140.1	135.3	132.8	132.0	132.8	133.7
32.5°	560.6	272.2	162.0	146.6	135.3	127.2	121.5	116.6	115.0	113.4	113.4
35°	527.3	251.9	153.1	134.5	123.9	115.8	106.9	101.3	98.0	96.4	97.2
37.5°	456.1	217.1	142.6	125.6	113.4	103.7	94.8	85.9	83.4	85.1	85.1
40°	396.1	186.3	132.8	115.0	101.3	92.3	82.6	72.1	70.5	75.3	76.1
42.5°	373.4	172.5	123.9	105.3	90.7	83.4	70.5	62.4	62.4	66.4	67.2
45°	401.0	168.5	115.8	96.4	81.8	73.7	60.8	53.5	53.5	57.5	58.3
47.5°	488.5	175.0	107.7	87.5	75.3	64.8	50.2	47.0	47.0	48.6	49.4
50°	674.0	196.0	99.6	78.6	68.9	55.1	43.7	40.5	39.7	40.5	40.5
52.5°	909.7	238.2	90.7	70.5	60.8	46.2	38.1	34.8	32.4	32.4	31.6
55°	1147.9	283.5	81.8	62.4	52.7	39.7	32.4	29.2	25.1	23.5	22.7
57.5°	1357.7	320.0	71.3	55.1	45.4	34.0	28.4	21.9	16.2	13.0	13.0
60°	1488.1	329.7	61.6	47.8	37.3	29.2	22.7	14.6	8.1	6.5	5.7
62.5°	1512.4	298.9	52.7	40.5	31.6	24.3	16.2	8.1	3.2	0.8	0.8
65°	1446.8	235.7	45.4	34.0	25.9	19.4	10.5	4.1	0.0	0.0	0.0
67.5°	1336.6	185.5	38.1	28.4	21.9	15.4	6.5	0.8	0.0	0.0	0.0
70°	1165.7	148.2	33.2	24.3	18.6	13.0	4.1	0.0	0.0	0.0	0.0
72.5°	858.7	98.0	29.2	21.9	16.2	9.7	2.4	0.0	0.0	0.0	0.0
75°	469.8	62.4	26.7	20.3	15.4	8.1	1.6	0.0	0.0	0.0	0.0
77.5°	190.4	43.7	23.5	19.4	15.4	8.1	1.6	0.0	0.0	0.0	0.0
80°	72.1	30.8	20.3	17.0	14.6	8.1	1.6	0.0	0.0	0.0	0.0
82.5°	38.1	25.1	19.4	17.0	13.8	7.3	0.8	0.0	0.0	0.0	0.0
85°	18.6	8.1	9.7	9.7	11.3	6.5	0.8	0.0	0.0	0.0	0.0
87.5°	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)