

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: P1208179

Luminaire Tested: UPW-SA1-040-827-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208179
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-SA1-040-827-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 4257 lumens
Efficiency: N/A
Efficacy: 96.7 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): 44
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

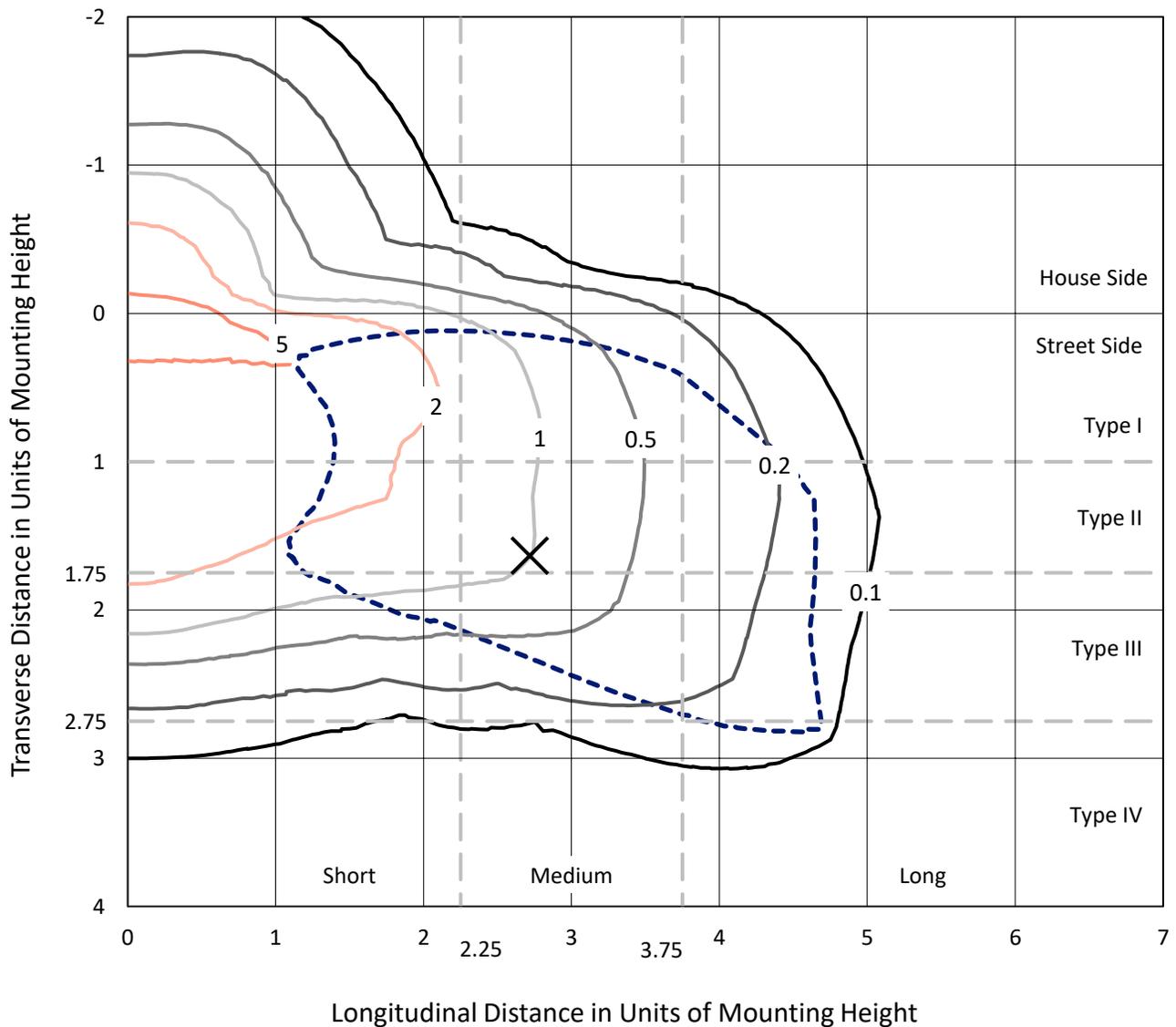


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

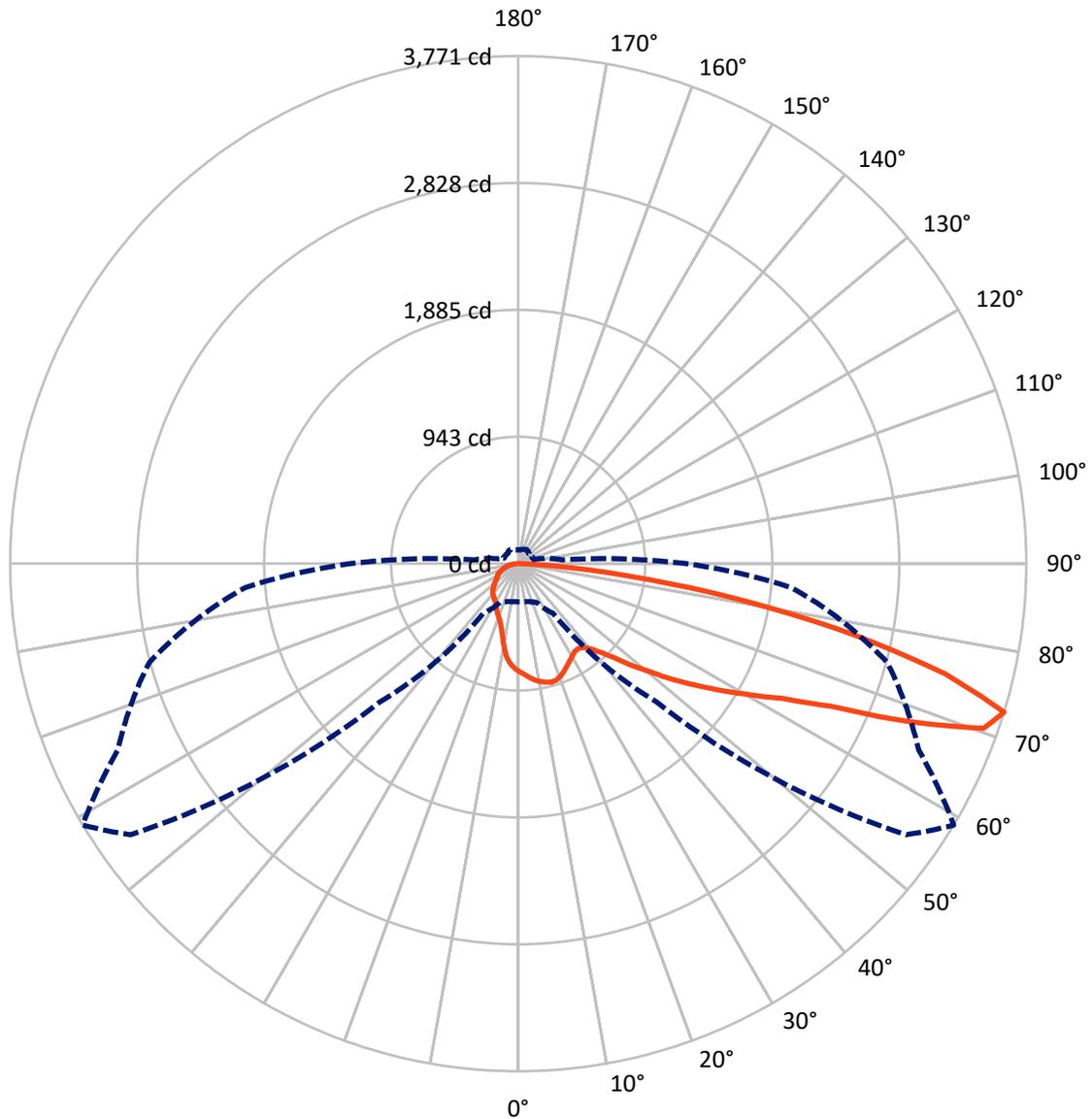


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

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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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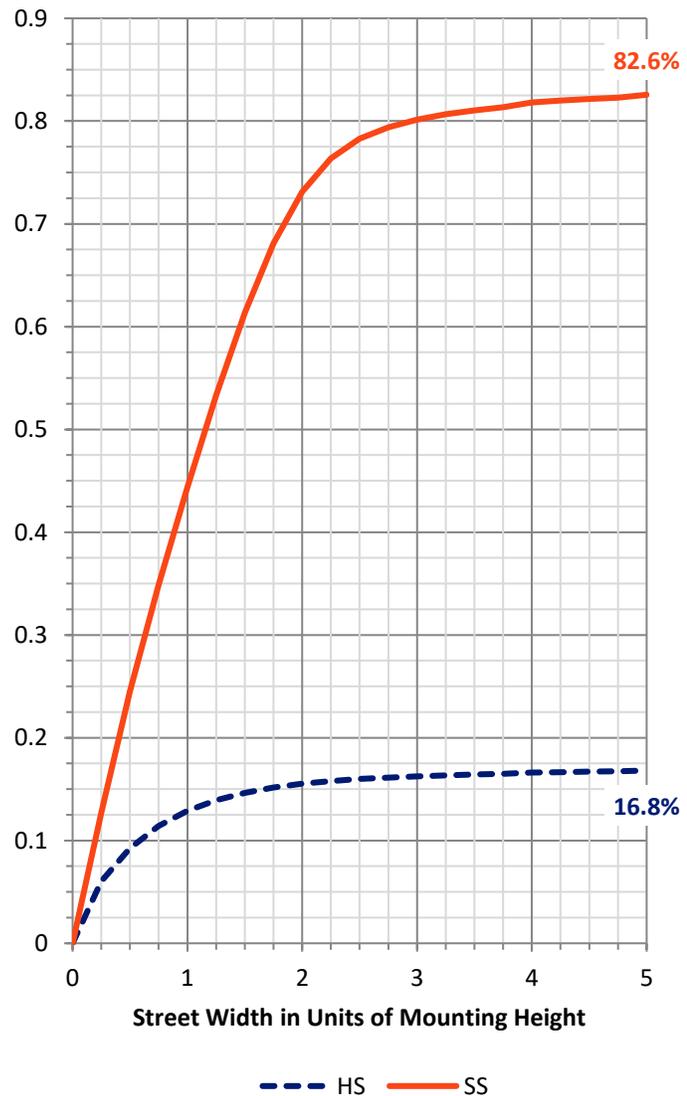
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	724.4	0.0	724.4
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	3532.6	0.0	3532.6
	% Fixture	83.0	0.0	83.0
Total	Lumens	4257.0	0.0	4257.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.7
10°-20°	183.9	4.3
20°-30°	270.4	6.4
30°-40°	371.6	8.7
40°-50°	555.0	13.0
50°-60°	845.8	19.9
60°-70°	1084.1	25.5
70°-80°	749.4	17.6
80°-90°	124.7	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°	4257.0	100.0
0°-180°	4257.0	100.0



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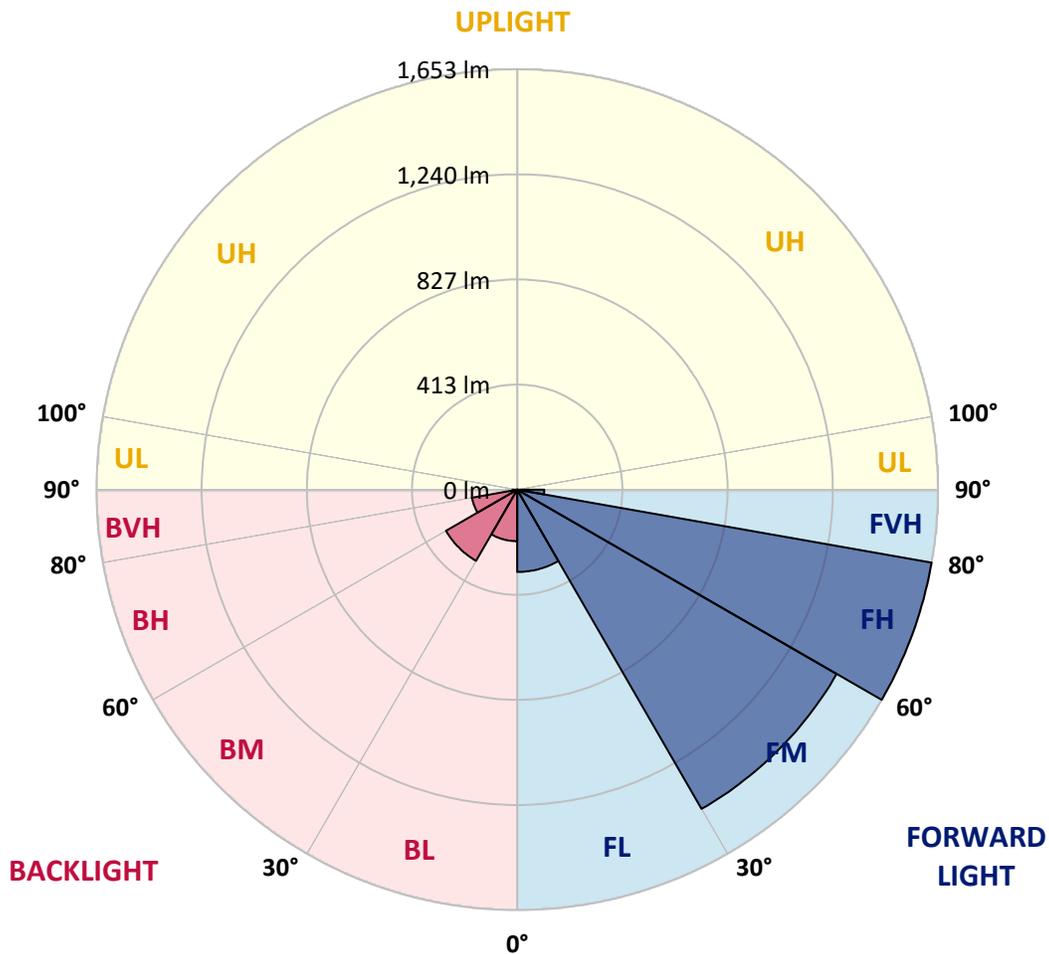
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.7	7.6			
FM (30°-60°)	1449.3	34.0			
FH (60°-80°)	1653.3	38.8			G1/1800
FVH (80°-90°)	106.4	2.5			G2/225
BL (0°-30°)	202.7	4.8	B1/500		
BM (30°-60°)	323.1	7.6	B1/1000		
BH (60°-80°)	180.3	4.2	B1/500		G1/500
BVH (80°-90°)	18.3	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°	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5
2.5°	835.7	833.4	834.5	836.3	831.6	832.2	826.3	821.6	818.0	815.7	810.3
5°	856.4	850.5	852.8	858.2	852.8	857.6	851.1	847.5	841.6	838.1	826.3
7.5°	839.3	835.1	841.0	854.6	861.1	873.5	874.7	872.3	870.0	862.3	847.5
10°	760.2	757.8	773.2	809.2	839.3	869.4	889.4	889.4	890.6	885.3	867.6
12.5°	659.8	658.1	678.1	722.4	781.4	850.5	898.3	903.6	913.0	911.3	888.8
15°	593.2	592.0	607.9	643.3	704.1	802.1	897.1	914.8	934.3	938.4	910.7
17.5°	558.9	558.9	570.1	597.3	639.2	734.8	871.1	910.1	949.6	969.1	935.5
20°	549.5	548.3	554.8	571.3	600.2	674.6	832.2	893.6	961.4	993.9	951.4
22.5°	554.2	553.0	555.4	563.6	580.2	634.5	790.3	868.8	967.9	1015.7	965.6
25°	577.2	576.0	573.1	572.5	576.0	615.6	747.8	841.0	974.4	1047.0	982.7
27.5°	622.1	618.5	608.5	599.1	589.6	611.4	720.6	816.2	982.7	1073.0	993.3
30°	679.9	678.7	666.3	648.6	617.4	620.9	703.5	793.2	982.7	1093.1	992.7
32.5°	722.4	723.0	720.6	710.0	665.7	642.1	697.0	774.3	980.9	1120.8	995.1
35°	767.3	767.3	761.4	761.4	732.4	683.5	706.5	772.6	990.9	1166.8	1012.2
37.5°	843.4	842.2	829.8	817.4	796.2	750.1	734.2	789.7	1018.7	1240.6	1035.2
40°	943.7	946.1	920.7	886.5	861.7	827.5	786.1	833.4	1061.8	1328.5	1064.7
42.5°	1064.7	1071.2	1031.7	984.5	941.4	896.5	858.7	903.0	1137.9	1453.7	1115.5
45°	1213.5	1207.0	1157.4	1094.2	1037.6	961.4	938.4	993.3	1237.1	1623.1	1193.4
47.5°	1342.7	1346.2	1285.5	1216.4	1146.2	1040.5	1039.3	1125.5	1368.1	1796.6	1283.1
50°	1468.4	1479.0	1411.8	1339.2	1264.2	1129.1	1166.8	1256.5	1508.6	1973.6	1394.1
52.5°	1567.0	1574.1	1511.5	1448.9	1374.6	1245.9	1317.3	1424.7	1650.8	2143.0	1521.5
55°	1644.9	1654.9	1584.7	1532.8	1476.1	1373.4	1489.7	1590.6	1798.3	2300.6	1652.0
57.5°	1750.5	1756.4	1667.9	1622.5	1569.3	1518.6	1679.1	1777.1	1956.5	2434.6	1787.1
60°	1831.4	1834.9	1743.5	1729.3	1728.1	1718.7	1889.8	1977.2	2105.2	2559.7	1925.2
62.5°	1761.2	1761.2	1698.0	1737.6	1881.0	2047.4	2182.0	2207.9	2258.7	2681.3	2058.0
65°	1395.2	1409.4	1416.5	1549.3	1869.8	2383.8	2666.5	2552.0	2450.5	2792.8	2166.6
67.5°	732.4	760.8	826.3	1055.3	1541.6	2506.6	3287.4	3135.7	2722.6	2867.8	2209.1
70°	373.0	381.3	415.5	543.6	970.3	2183.7	3656.3	3665.1	3047.2	2900.2	2178.4
72.5°	283.3	283.3	291.0	316.3	448.6	1456.6	3511.7	3770.8	3279.7	2834.7	2033.8
75°	236.1	239.0	254.4	257.9	226.6	756.0	2848.3	3271.5	3032.5	2594.5	1776.5
77.5°	189.5	191.2	215.4	229.6	152.9	323.4	2076.9	2553.2	2338.4	2097.0	1251.2
80°	142.8	145.8	167.6	196.5	113.3	155.2	1399.4	1746.4	1463.1	1285.5	577.8
82.5°	95.6	96.8	114.5	155.2	83.8	86.2	824.5	978.6	711.2	481.6	151.7
85°	58.4	59.6	71.4	100.3	55.5	46.0	365.9	378.3	224.9	114.5	54.3
87.5°	26.6	29.5	37.2	48.4	27.7	18.9	61.4	60.2	44.3	41.3	23.0
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°	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5
2.5°	802.7	796.2	789.7	780.8	773.2	760.2	751.3	742.5	737.8	736.6	734.8
5°	816.8	805.6	786.7	761.9	734.8	704.1	675.2	649.8	632.7	627.4	629.7
7.5°	833.4	817.4	780.2	732.4	677.6	617.4	566.6	533.5	512.9	501.1	503.4
10°	848.1	825.1	766.1	685.8	592.0	516.4	476.3	453.3	442.7	441.5	440.9
12.5°	862.9	832.8	744.2	619.1	515.2	455.6	435.6	429.1	427.9	429.1	428.5
15°	880.0	836.9	707.1	550.1	460.9	430.3	423.8	422.0	422.6	425.5	424.9
17.5°	894.2	835.1	649.2	487.5	432.0	417.9	412.0	409.0	412.0	417.3	417.3
20°	898.9	818.0	582.5	443.8	416.1	404.3	396.0	391.3	394.8	401.3	402.5
22.5°	895.3	785.6	514.1	413.1	399.6	388.4	379.5	374.8	376.5	381.3	381.9
25°	890.0	743.1	453.9	389.5	378.3	369.5	367.1	361.2	358.3	361.2	361.8
27.5°	874.1	687.0	404.3	365.3	354.7	355.9	354.7	349.4	345.3	344.7	345.9
30°	838.7	609.1	367.1	340.5	337.0	343.5	343.5	335.8	328.2	327.0	328.7
32.5°	796.2	529.4	336.4	319.9	327.0	330.5	330.5	324.0	316.3	311.6	314.0
35°	754.3	453.9	312.8	305.7	319.3	322.2	319.3	316.9	304.5	292.7	295.7
37.5°	705.9	388.9	292.1	295.1	310.4	311.6	311.6	303.4	286.8	276.8	279.2
40°	653.4	340.0	275.0	285.7	301.0	301.0	296.3	291.0	282.7	272.7	273.9
42.5°	619.7	306.9	262.0	275.6	286.2	289.8	279.2	283.3	276.2	265.6	266.8
45°	615.0	286.2	251.4	260.3	269.7	268.5	269.1	272.1	265.6	251.4	250.8
47.5°	643.9	279.8	241.4	243.2	251.4	255.6	259.1	260.3	250.8	235.5	233.1
50°	708.2	291.0	231.4	227.8	234.9	244.3	247.9	249.7	238.4	222.5	220.1
52.5°	807.4	325.8	222.5	214.8	214.2	230.8	240.8	245.5	227.8	210.7	209.5
55°	917.2	373.0	210.7	203.6	197.1	220.1	234.9	240.2	217.8	195.4	193.6
57.5°	1034.0	429.1	197.1	192.4	184.7	210.1	224.3	228.4	202.4	177.1	175.9
60°	1156.2	479.2	184.1	180.0	175.9	196.5	211.3	212.5	188.3	162.9	161.7
62.5°	1266.6	513.5	171.7	167.0	167.0	180.6	195.9	194.8	173.5	149.9	148.7
65°	1348.0	509.3	160.5	154.6	157.0	163.5	177.1	172.9	157.6	137.5	136.3
67.5°	1381.1	465.7	149.9	143.4	144.0	145.8	157.0	154.0	141.6	125.1	124.5
70°	1346.8	387.2	136.3	128.1	126.9	127.5	138.7	133.4	124.5	113.9	113.3
72.5°	1244.7	324.6	121.0	113.9	111.5	109.8	119.2	116.9	110.4	101.5	102.1
75°	1091.3	280.3	104.5	99.7	95.6	93.8	101.5	100.3	95.6	89.7	89.7
77.5°	762.5	204.8	86.2	84.4	82.0	78.5	84.4	85.0	82.0	80.3	79.7
80°	330.5	114.5	67.9	69.1	66.1	63.7	68.5	69.1	71.4	69.1	69.6
82.5°	95.6	56.7	49.0	52.5	51.3	49.0	51.3	56.7	53.1	46.6	47.8
85°	35.4	27.1	30.7	33.1	31.3	24.8	32.5	37.2	33.6	31.3	31.9
87.5°	13.6	10.0	13.0	11.2	8.9	6.5	11.2	12.4	16.5	6.5	5.3
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)