

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: P1208583

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

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-740-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 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: 5731 lumens
Efficiency: N/A
Efficacy: 85.5 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

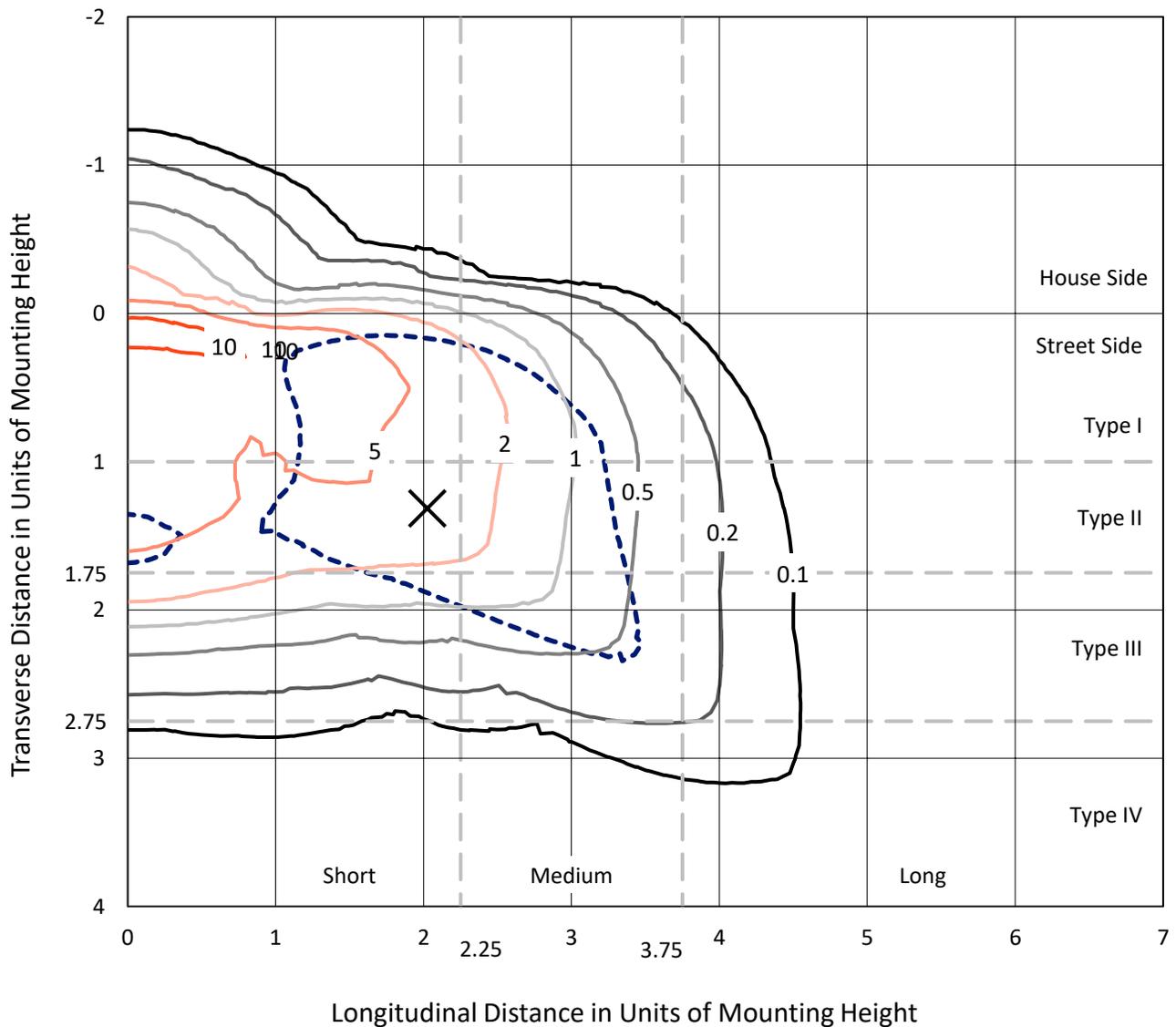
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

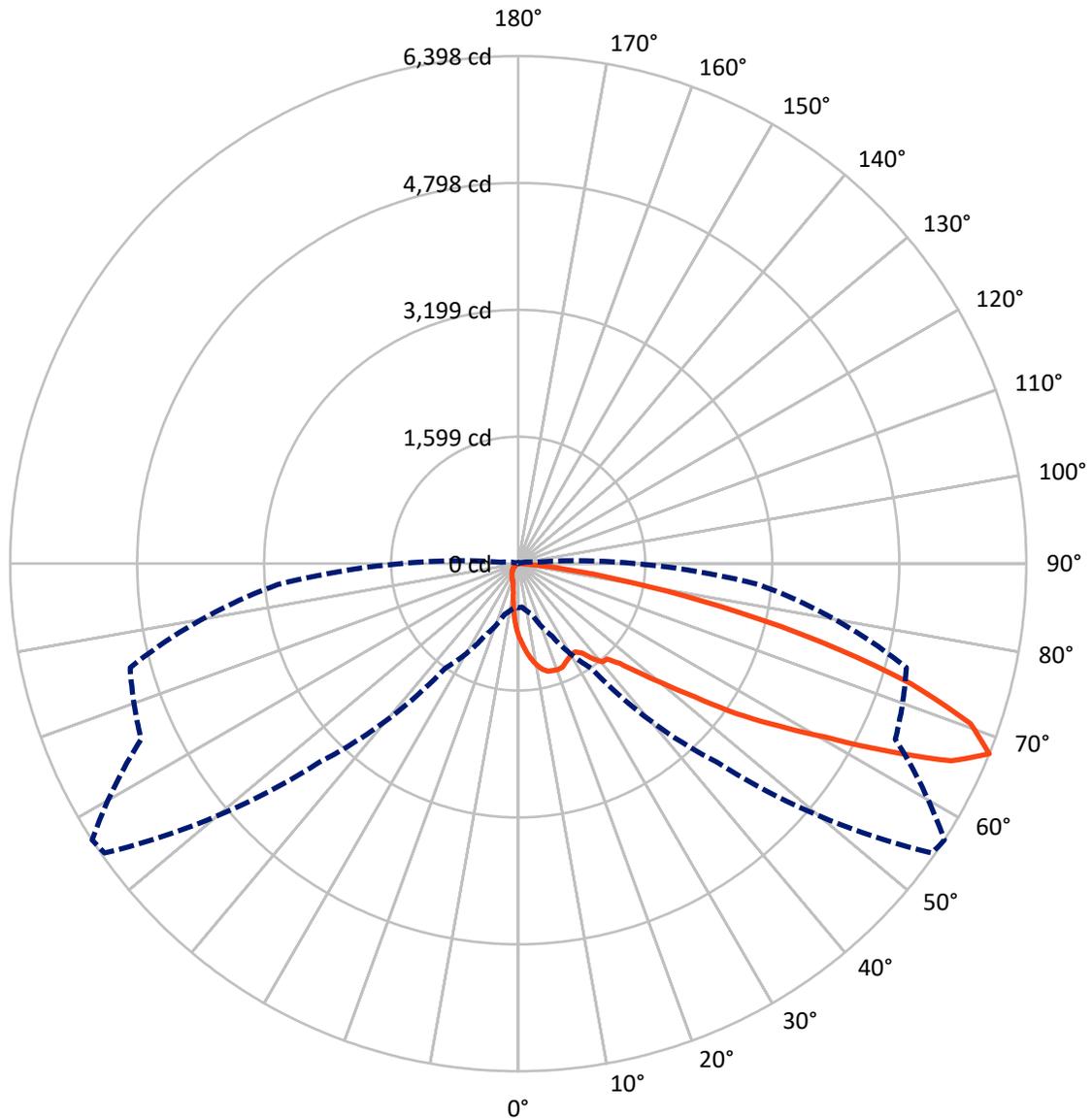
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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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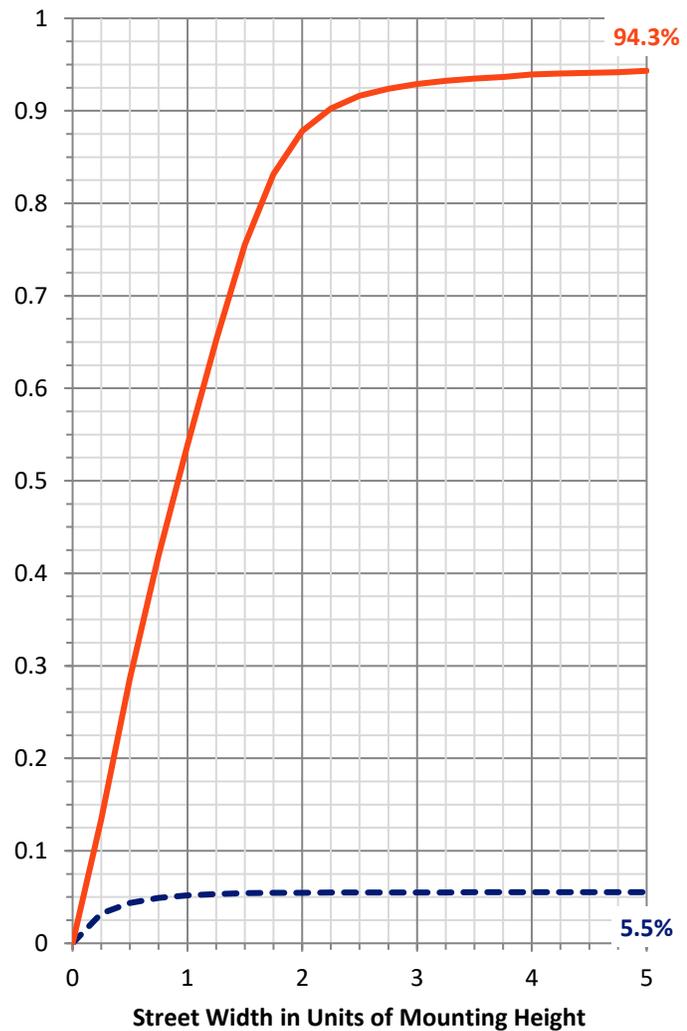
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.0	0.0	319.0
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	5412.0	0.0	5412.0
	% Fixture	94.4	0.0	94.4
Total	Lumens	5731.0	0.0	5731.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.4
10°-20°	213.2	3.7
20°-30°	312.0	5.4
30°-40°	469.2	8.2
40°-50°	765.4	13.4
50°-60°	1448.7	25.3
60°-70°	1655.6	28.9
70°-80°	722.6	12.6
80°-90°	62.4	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°	5731.0	100.0
0°-180°	5731.0	100.0



--- HS — SS

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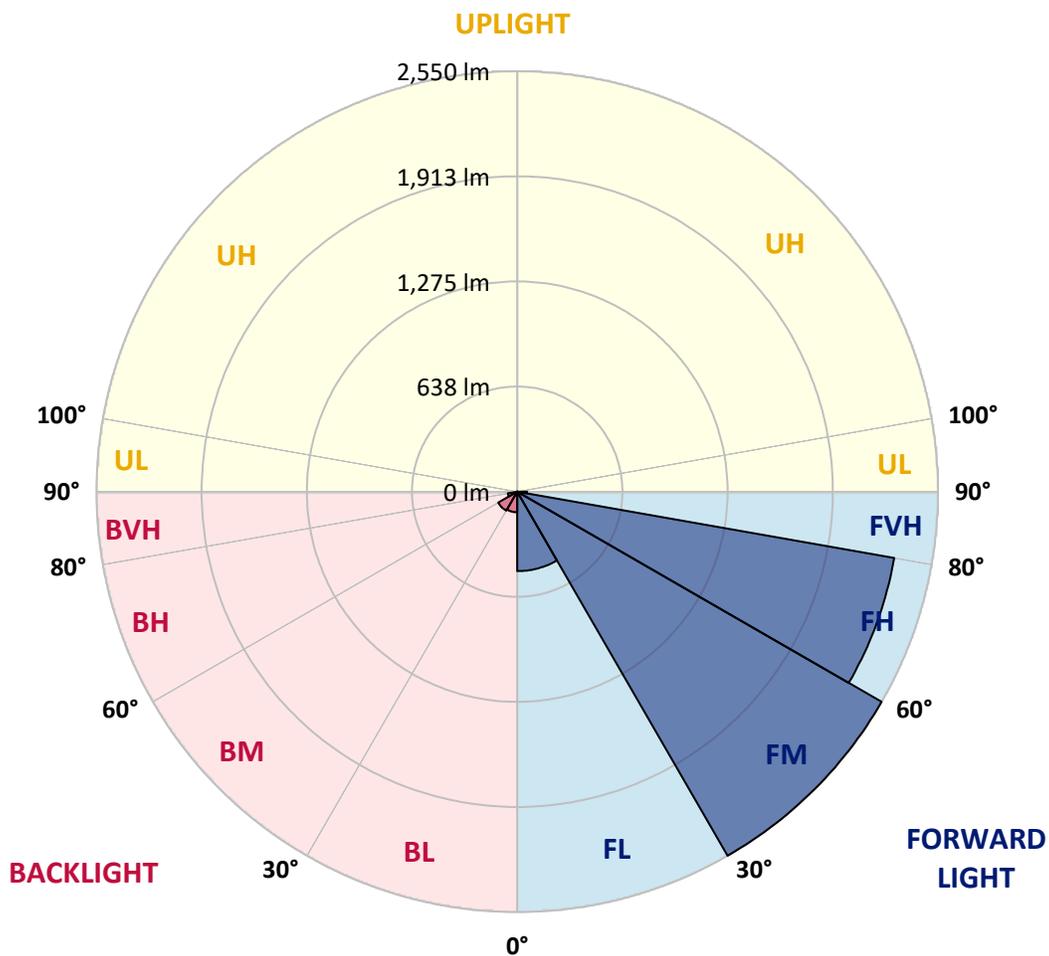
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.9	8.4			
FM	(30°-60°)	2550.4	44.5			
FH	(60°-80°)	2320.4	40.5			G2/5000
FVH	(80°-90°)	59.3	1.0			G1/100
BL	(0°-30°)	125.2	2.2	B1/500		
BM	(30°-60°)	132.9	2.3	B0/220		
BH	(60°-80°)	57.8	1.0	B0/110		G0/110
BVH	(80°-90°)	3.1	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°	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8
2.5°	1076.3	1085.2	1088.8	1073.7	1059.4	1048.8	1027.4	1014.1	993.6	968.7	934.0
5°	1234.7	1233.8	1224.9	1213.3	1207.1	1173.3	1137.7	1123.5	1090.6	1028.3	960.7
7.5°	1294.3	1299.6	1305.8	1298.7	1288.0	1270.2	1228.4	1217.8	1169.7	1088.8	993.6
10°	1266.7	1275.6	1286.3	1304.9	1340.5	1346.7	1314.7	1303.2	1245.3	1156.4	1021.2
12.5°	1139.5	1152.8	1170.6	1231.1	1313.8	1365.4	1372.5	1369.0	1320.1	1216.9	1040.7
15°	970.5	956.2	1002.5	1086.1	1222.2	1340.5	1404.6	1407.2	1382.3	1273.8	1062.1
17.5°	843.3	856.6	877.1	940.2	1081.7	1251.6	1400.1	1417.0	1428.6	1334.3	1087.0
20°	821.9	822.8	831.7	866.4	940.2	1144.8	1385.0	1425.0	1485.5	1393.9	1097.7
22.5°	842.4	837.0	841.5	848.6	894.9	1036.3	1353.0	1417.9	1519.3	1467.7	1119.9
25°	869.1	875.3	867.3	858.4	885.1	987.4	1315.6	1382.3	1570.0	1533.5	1129.7
27.5°	943.8	947.3	926.0	894.0	903.8	965.1	1257.8	1353.9	1646.5	1607.4	1145.7
30°	1065.7	1062.1	1017.6	965.1	942.9	979.4	1221.3	1322.7	1687.4	1664.3	1137.7
32.5°	1156.4	1149.3	1105.7	1051.4	1012.3	1033.6	1221.3	1326.3	1770.2	1763.9	1152.8
35°	1238.2	1232.0	1177.7	1134.1	1100.3	1119.9	1289.8	1384.1	1888.5	1949.0	1206.2
37.5°	1327.2	1310.3	1267.6	1192.0	1181.3	1256.9	1437.5	1515.8	2076.2	2120.6	1208.0
40°	1467.7	1453.5	1385.0	1306.7	1248.9	1359.2	1553.1	1627.8	2208.7	2258.5	1200.9
42.5°	1660.8	1626.9	1542.4	1428.6	1336.1	1414.4	1566.5	1643.8	2309.2	2472.9	1269.4
45°	1870.7	1860.9	1743.5	1596.7	1498.9	1489.1	1707.9	1793.3	2532.5	2818.9	1417.9
47.5°	2174.0	2097.5	1942.7	1786.2	1702.6	1636.7	1924.9	2054.8	2804.7	3223.7	1639.4
50°	2493.4	2448.9	2213.1	1997.0	1894.7	1870.7	2268.3	2385.7	3153.4	3679.1	2008.6
52.5°	3037.7	2935.4	2617.0	2344.8	2167.8	2144.7	2641.9	2792.2	3546.6	4222.6	2381.3
55°	3404.2	3341.1	3020.8	2815.4	2583.2	2512.9	3171.2	3335.7	4027.8	4696.7	2754.0
57.5°	3521.6	3444.3	3156.0	3106.2	3052.9	3092.9	3720.0	3857.0	4361.4	5066.8	3084.0
60°	3051.1	3048.4	2883.9	3013.7	3277.9	3740.5	4368.5	4429.0	4631.8	5293.6	3289.5
62.5°	2194.5	2187.4	2220.3	2542.3	3035.1	4179.0	5260.7	5193.1	4866.6	5419.9	3400.7
65°	1137.7	1143.0	1308.5	1732.8	2441.8	4145.2	6077.3	5991.9	5011.6	5342.5	3322.4
67.5°	555.1	550.6	658.3	1007.8	1612.7	3539.4	6357.5	6397.5	5239.3	5058.8	3039.5
70°	276.6	280.2	358.5	531.9	880.6	2542.3	5870.9	6040.8	5029.4	4454.8	2588.5
72.5°	194.8	197.5	243.7	315.8	411.9	1543.3	4872.8	5165.5	4197.7	3543.9	1824.4
75°	139.7	144.1	178.8	235.7	228.6	774.8	3766.3	3939.7	3043.1	2188.2	966.9
77.5°	101.4	107.6	139.7	181.5	158.3	325.6	2608.1	2603.7	1716.8	1039.9	391.4
80°	66.7	71.2	103.2	134.3	113.0	151.2	1528.2	1439.3	759.7	398.5	142.3
82.5°	37.4	39.1	69.4	93.4	78.3	71.2	683.2	629.8	257.1	145.9	66.7
85°	2.7	4.4	40.9	58.7	41.8	35.6	191.2	173.5	82.7	66.7	35.6
87.5°	0.0	0.0	5.3	10.7	7.1	5.3	46.3	40.0	24.9	39.1	17.8
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°	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8
2.5°	919.8	894.9	857.5	821.0	785.5	753.4	730.3	707.2	697.4	675.2	713.4
5°	925.1	880.6	791.7	705.4	630.7	550.6	498.1	460.8	442.1	425.2	426.1
7.5°	930.4	862.8	725.9	580.0	472.3	387.8	340.7	323.8	316.7	307.8	307.8
10°	924.2	834.4	631.6	456.3	346.9	301.6	275.8	269.5	273.1	272.2	274.9
12.5°	924.2	800.6	535.5	355.8	284.6	258.0	250.8	250.0	255.3	258.9	260.6
15°	912.7	749.0	439.4	291.8	249.1	239.3	236.6	236.6	240.2	243.7	242.8
17.5°	902.9	697.4	359.4	250.8	227.7	225.1	223.3	221.5	225.9	229.5	230.4
20°	878.9	625.3	296.2	225.9	213.5	209.9	209.0	207.3	211.7	215.3	217.9
22.5°	844.2	543.5	253.5	207.3	201.0	196.6	193.9	194.8	199.3	202.8	201.0
25°	797.9	471.5	222.4	193.9	185.0	182.4	178.8	180.6	181.5	185.0	187.7
27.5°	747.2	401.2	201.9	183.2	174.3	169.0	164.6	163.7	164.6	169.0	167.2
30°	672.5	339.8	187.7	170.8	161.0	153.9	148.6	145.9	145.0	145.9	146.8
32.5°	615.6	298.9	177.9	161.0	148.6	139.7	133.4	128.1	126.3	124.5	124.5
35°	579.1	276.6	168.1	147.7	136.1	127.2	117.4	111.2	107.6	105.9	106.7
37.5°	500.8	238.4	156.6	137.9	124.5	113.9	104.1	94.3	91.6	93.4	93.4
40°	435.0	204.6	145.9	126.3	111.2	101.4	90.7	79.2	77.4	82.7	83.6
42.5°	410.1	189.5	136.1	115.6	99.6	91.6	77.4	68.5	68.5	72.9	73.8
45°	440.3	185.0	127.2	105.9	89.8	80.9	66.7	58.7	58.7	63.2	64.0
47.5°	536.4	192.1	118.3	96.1	82.7	71.2	55.2	51.6	51.6	53.4	54.3
50°	740.1	215.3	109.4	86.3	75.6	60.5	48.0	44.5	43.6	44.5	44.5
52.5°	998.9	261.5	99.6	77.4	66.7	50.7	41.8	38.2	35.6	35.6	34.7
55°	1260.5	311.3	89.8	68.5	57.8	43.6	35.6	32.0	27.6	25.8	24.9
57.5°	1490.9	351.4	78.3	60.5	49.8	37.4	31.1	24.0	17.8	14.2	14.2
60°	1634.1	362.0	67.6	52.5	40.9	32.0	24.9	16.0	8.9	7.1	6.2
62.5°	1660.8	328.2	57.8	44.5	34.7	26.7	17.8	8.9	3.6	0.9	0.9
65°	1588.7	258.9	49.8	37.4	28.5	21.3	11.6	4.4	0.0	0.0	0.0
67.5°	1467.7	203.7	41.8	31.1	24.0	16.9	7.1	0.9	0.0	0.0	0.0
70°	1280.0	162.8	36.5	26.7	20.5	14.2	4.4	0.0	0.0	0.0	0.0
72.5°	942.9	107.6	32.0	24.0	17.8	10.7	2.7	0.0	0.0	0.0	0.0
75°	515.9	68.5	29.4	22.2	16.9	8.9	1.8	0.0	0.0	0.0	0.0
77.5°	209.0	48.0	25.8	21.3	16.9	8.9	1.8	0.0	0.0	0.0	0.0
80°	79.2	33.8	22.2	18.7	16.0	8.9	1.8	0.0	0.0	0.0	0.0
82.5°	41.8	27.6	21.3	18.7	15.1	8.0	0.9	0.0	0.0	0.0	0.0
85°	20.5	8.9	10.7	10.7	12.5	7.1	0.9	0.0	0.0	0.0	0.0
87.5°	4.4	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)