

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: P1208014

Luminaire Tested: UPW-SA1-040-727-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3582 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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



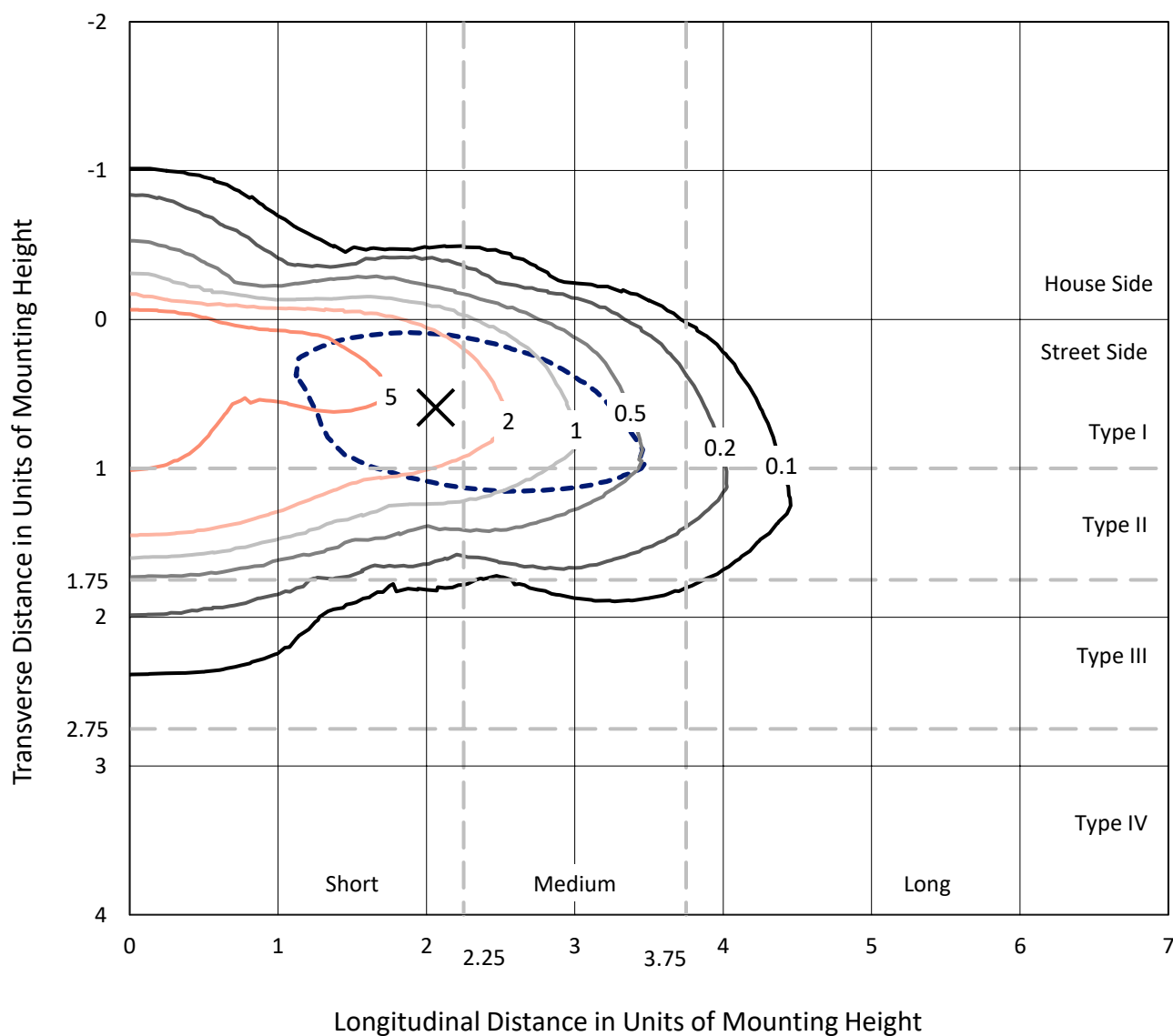
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

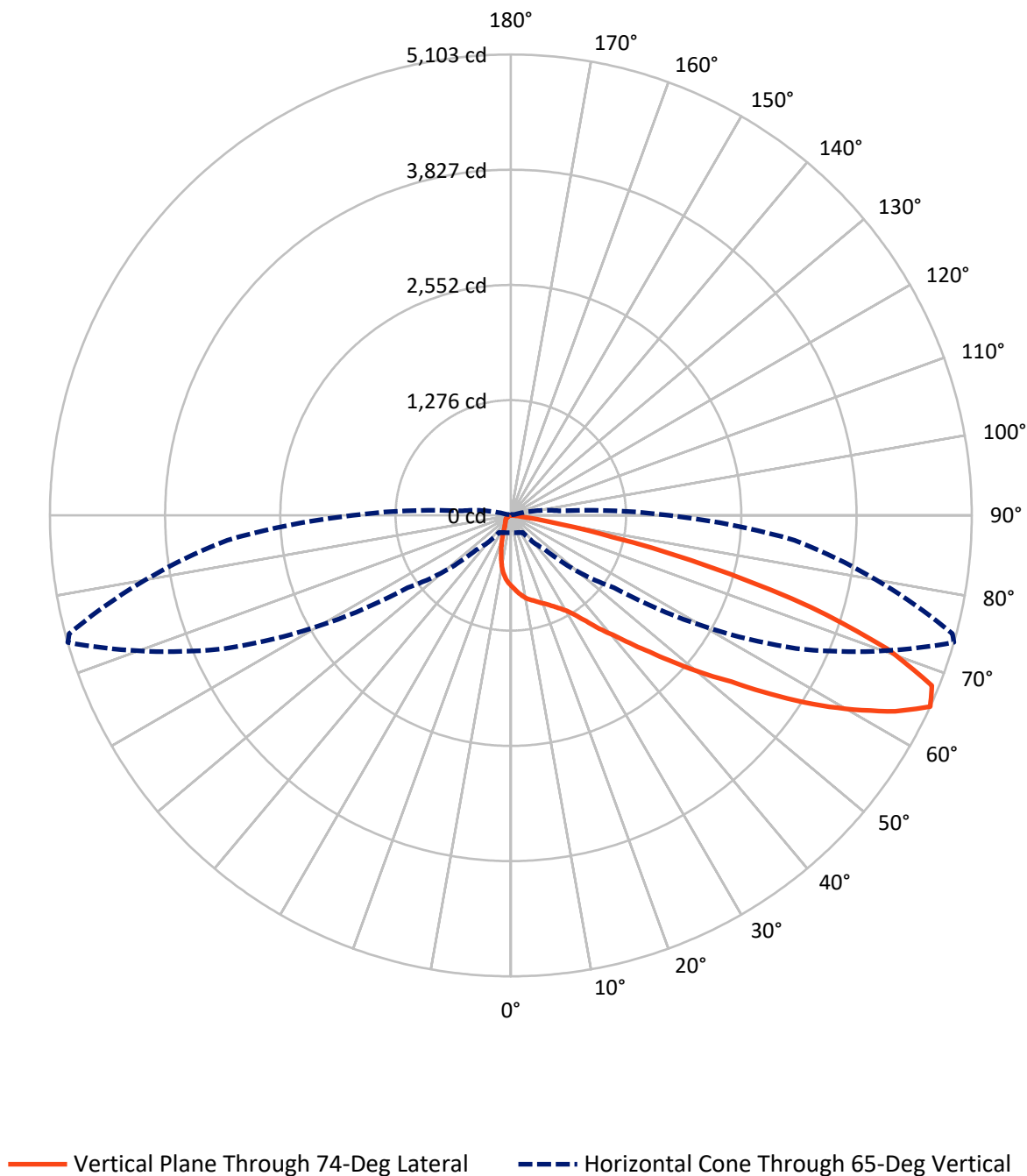


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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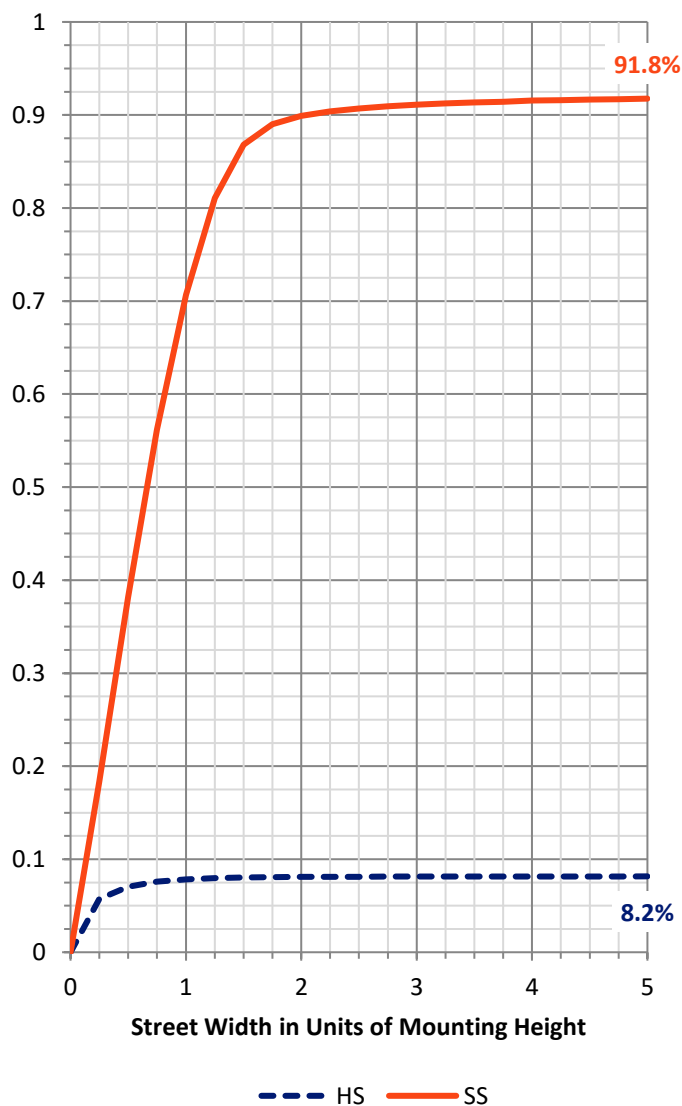
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	294.5	0.0	294.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	3287.5	0.0	3287.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	3582.0	0.0	3582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.9
10°-20°	163.2	4.6
20°-30°	254.5	7.1
30°-40°	401.7	11.2
40°-50°	624.9	17.4
50°-60°	903.3	25.2
60°-70°	816.5	22.8
70°-80°	328.2	9.2
80°-90°	23.0	0.6
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°	3582.0	100.0
0°-180°	3582.0	100.0

Coefficient of Utilization



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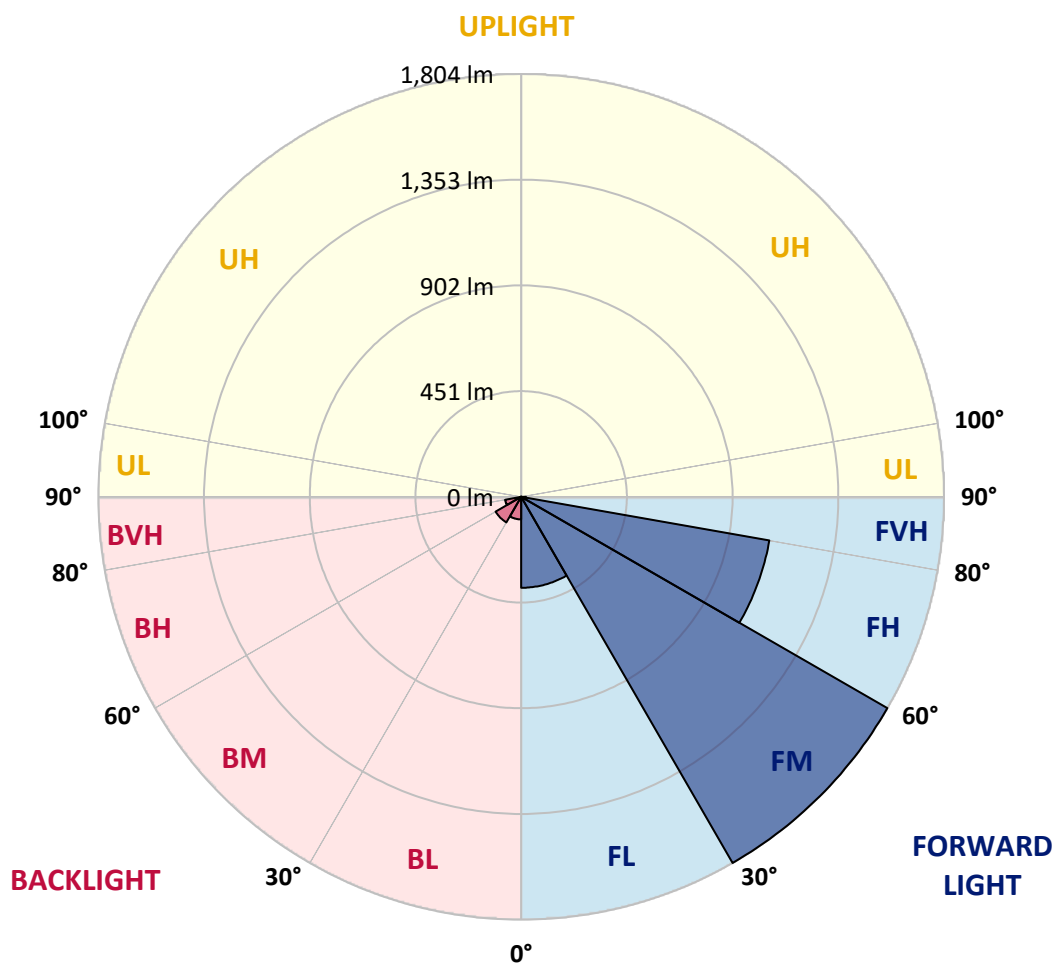
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.1	10.8			
FM	(30°-60°)	1803.9	50.4			
FH	(60°-80°)	1075.1	30.0			G1/1800
FVH	(80°-90°)	20.5	0.6			G1/100
BL	(0°-30°)	96.3	2.7	B0/110		
BM	(30°-60°)	126.0	3.5	B0/220		
BH	(60°-80°)	69.6	1.9	B0/110		G0/110
BVH	(80°-90°)	2.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4
2.5°	880.7	877.4	879.0	871.9	870.8	863.7	847.8	831.9	817.1	813.3	795.2
5°	944.7	943.1	941.4	940.4	935.4	929.9	907.5	886.1	858.8	853.8	816.0
7.5°	961.7	960.1	963.4	968.8	972.1	969.4	952.9	932.1	897.6	892.2	837.4
10°	923.9	922.3	937.1	958.4	978.1	992.4	986.4	967.7	931.6	926.1	852.2
12.5°	840.7	838.5	862.6	906.4	952.9	993.5	1005.5	992.9	959.0	952.9	864.2
15°	764.6	761.3	785.4	829.7	888.3	966.6	1012.6	1016.5	981.4	977.6	877.4
17.5°	724.0	724.6	739.4	776.1	832.5	917.9	1005.0	1038.4	1011.6	1006.6	891.6
20°	740.5	741.5	743.2	757.4	791.4	875.2	988.0	1061.9	1041.1	1035.6	909.7
22.5°	788.1	790.8	786.5	778.8	783.2	844.0	970.5	1087.7	1075.1	1069.6	922.3
25°	876.8	873.5	859.8	829.2	807.3	834.7	964.5	1117.3	1117.8	1111.2	937.6
27.5°	982.5	973.8	957.3	908.6	854.9	850.0	962.8	1149.0	1167.6	1158.3	955.1
30°	1072.3	1068.0	1047.7	1002.8	922.3	885.6	967.2	1179.7	1226.8	1221.9	978.1
32.5°	1130.4	1129.3	1114.5	1084.4	1013.7	943.1	986.4	1221.3	1316.1	1299.6	1022.0
35°	1179.1	1174.2	1162.7	1143.0	1100.3	1021.4	1026.9	1288.1	1436.5	1431.6	1092.1
37.5°	1234.5	1228.4	1214.7	1190.1	1160.5	1114.0	1091.5	1374.7	1589.9	1587.7	1184.6
40°	1298.5	1294.7	1281.0	1248.1	1211.5	1183.5	1158.9	1463.9	1738.3	1723.0	1270.1
42.5°	1361.5	1362.6	1352.2	1318.2	1268.4	1230.6	1238.8	1554.8	1931.6	1924.0	1403.1
45°	1433.3	1429.4	1423.9	1399.3	1345.6	1267.9	1315.5	1680.8	2156.2	2175.4	1596.5
47.5°	1483.6	1482.5	1493.5	1474.9	1430.5	1327.6	1394.4	1836.9	2432.2	2450.3	1809.0
50°	1496.8	1495.1	1531.8	1547.2	1545.5	1443.1	1502.8	2034.6	2735.6	2732.9	2046.7
52.5°	1412.4	1416.3	1487.5	1569.1	1645.2	1621.1	1698.3	2306.8	3059.8	3069.2	2270.1
55°	1170.4	1194.5	1273.3	1462.3	1662.7	1802.4	1950.3	2681.4	3487.6	3462.9	2445.9
57.5°	733.9	721.3	854.4	1128.2	1447.0	1816.1	2154.0	3057.7	3944.3	3913.1	2704.4
60°	374.1	357.6	435.4	629.3	1004.4	1526.4	2158.4	3385.7	4365.5	4330.4	2965.6
62.5°	228.9	226.2	242.1	307.2	520.3	1029.6	1870.3	3584.0	4777.3	4749.4	3142.5
65°	192.8	192.2	198.3	208.7	230.6	534.5	1395.5	3487.0	5103.2	5062.7	3152.9
67.5°	170.9	170.9	183.5	188.4	153.3	230.0	856.0	3083.9	5027.1	5019.4	2933.3
70°	147.3	145.1	162.7	177.4	127.6	118.3	440.9	2477.7	4416.4	4441.6	2498.5
72.5°	111.2	113.4	131.4	151.2	104.6	83.2	201.5	1733.9	3477.7	3489.8	1963.4
75°	83.8	86.0	101.9	123.8	84.3	63.0	111.2	1126.6	2277.8	2305.2	1146.8
77.5°	64.1	64.6	80.5	102.4	65.2	48.2	75.0	626.0	1154.5	1129.8	445.8
80°	44.4	46.0	63.0	79.4	52.0	36.1	50.4	271.1	416.8	384.5	138.6
82.5°	16.4	21.4	44.4	57.5	36.7	25.7	37.2	109.0	122.1	114.5	50.9
85°	2.7	2.7	24.1	42.2	19.7	15.3	23.5	37.8	40.0	42.2	26.3
87.5°	0.0	0.0	2.7	9.3	3.3	2.2	6.6	9.3	19.2	21.4	14.2
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°	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4
2.5°	783.2	771.7	748.7	729.0	698.3	671.4	654.5	641.3	631.5	620.0	608.5
5°	791.9	765.1	708.7	645.2	580.0	521.4	473.2	429.4	400.9	397.6	383.9
7.5°	799.6	756.9	661.6	548.8	449.1	364.2	304.5	267.8	236.0	226.2	230.6
10°	799.6	742.6	599.2	444.2	324.2	237.7	193.9	169.8	161.0	157.2	153.9
12.5°	797.4	719.6	520.8	346.1	225.6	173.1	153.3	144.6	139.7	137.5	136.4
15°	794.1	691.7	443.6	258.5	172.5	148.4	138.6	132.0	127.6	125.4	123.8
17.5°	791.9	662.7	373.5	196.1	149.0	135.3	127.1	120.5	116.7	113.4	112.8
20°	785.4	628.7	305.6	161.0	135.3	123.8	115.0	109.0	105.2	101.3	101.3
22.5°	775.0	580.5	241.5	140.2	123.8	112.3	103.0	96.9	93.1	90.9	89.8
25°	761.8	532.9	191.7	128.2	112.8	100.2	92.0	86.0	82.7	81.6	80.5
27.5°	747.0	485.2	157.7	118.3	102.4	90.4	81.1	76.7	74.5	73.4	72.3
30°	735.0	442.0	136.9	110.1	92.6	80.5	72.3	68.5	66.8	66.3	65.2
32.5°	736.1	405.3	122.7	100.8	84.9	72.8	64.6	60.8	60.8	60.2	60.2
35°	756.3	382.3	112.8	92.6	76.7	65.2	58.1	54.8	55.9	55.9	55.3
37.5°	778.2	359.3	103.5	83.8	69.6	58.1	50.9	49.3	49.8	50.4	50.4
40°	806.7	342.3	95.8	75.6	62.4	52.0	46.0	44.4	44.4	44.4	43.8
42.5°	871.3	340.7	89.3	68.5	55.9	46.0	41.6	39.4	38.3	37.8	36.7
45°	962.3	352.7	84.9	61.9	49.3	41.6	37.8	35.1	31.8	30.1	29.6
47.5°	1079.5	383.9	81.1	55.9	43.3	37.8	34.0	30.1	25.7	23.5	23.0
50°	1225.7	432.7	77.2	50.9	38.9	34.0	29.6	24.6	20.3	18.1	18.1
52.5°	1362.6	490.2	73.4	46.6	34.5	31.2	25.2	19.7	15.9	14.2	13.7
55°	1485.8	554.8	69.0	41.6	31.2	27.4	20.8	15.3	11.5	9.9	9.3
57.5°	1634.3	636.4	63.5	36.7	27.9	23.5	16.4	11.0	7.7	5.5	4.9
60°	1796.4	677.5	56.4	32.3	24.1	19.7	12.6	7.7	4.4	2.2	2.2
62.5°	1848.9	657.2	47.6	27.9	20.8	15.9	9.3	4.9	1.6	0.0	0.0
65°	1753.1	563.0	40.5	24.6	18.1	12.0	6.6	2.7	0.0	0.0	0.0
67.5°	1532.4	438.1	33.4	21.4	15.3	9.9	4.4	0.5	0.0	0.0	0.0
70°	1265.1	324.8	27.9	17.5	13.1	7.7	2.7	0.0	0.0	0.0	0.0
72.5°	976.5	230.6	24.1	14.8	11.0	6.0	1.6	0.0	0.0	0.0	0.0
75°	551.5	123.8	21.9	14.8	9.9	4.9	1.1	0.0	0.0	0.0	0.0
77.5°	227.8	57.0	19.2	14.8	9.9	5.5	1.6	0.0	0.0	0.0	0.0
80°	71.2	29.0	16.4	15.3	10.4	6.0	1.6	0.0	0.0	0.0	0.0
82.5°	33.4	22.5	17.0	14.2	9.3	5.5	1.6	0.0	0.0	0.0	0.0
85°	17.5	11.5	12.0	12.0	8.2	4.9	1.6	0.0	0.0	0.0	0.0
87.5°	4.9	0.5	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)