

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: P1208679

Luminaire Tested: UPW-SA1-070-827-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-827-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WI'
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4685 lumens
Efficiency: N/A
Efficacy: 71.0 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

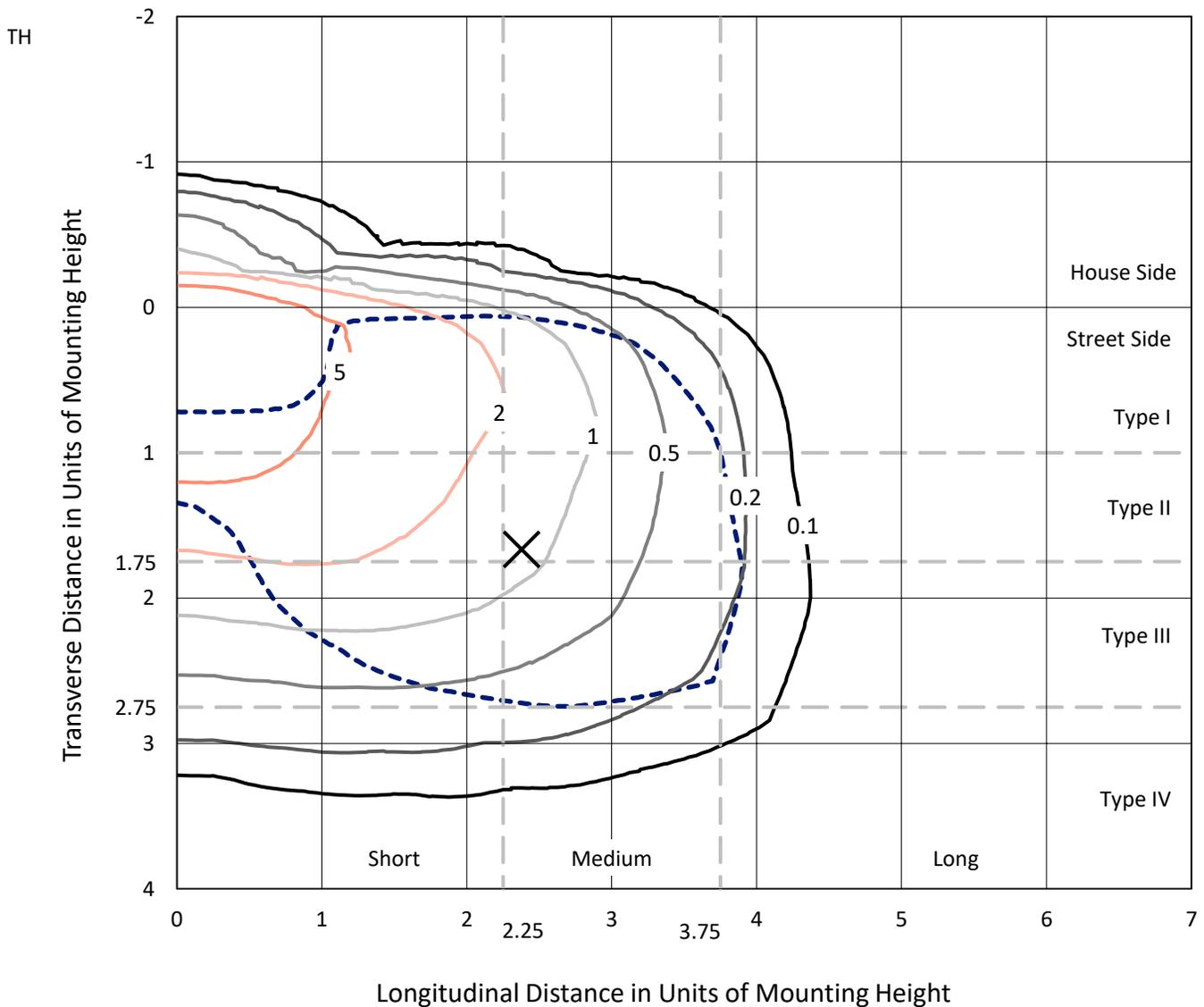
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

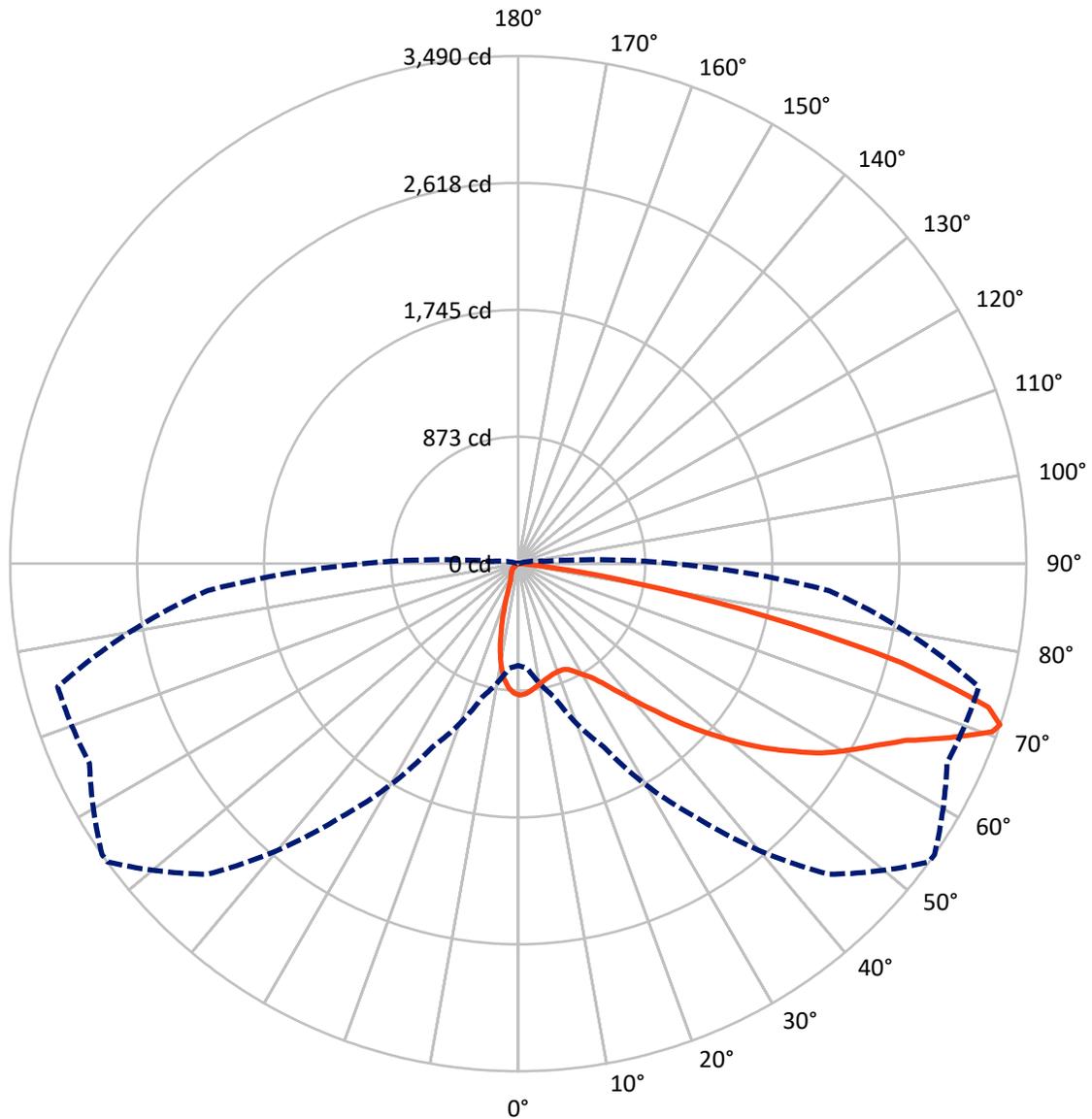


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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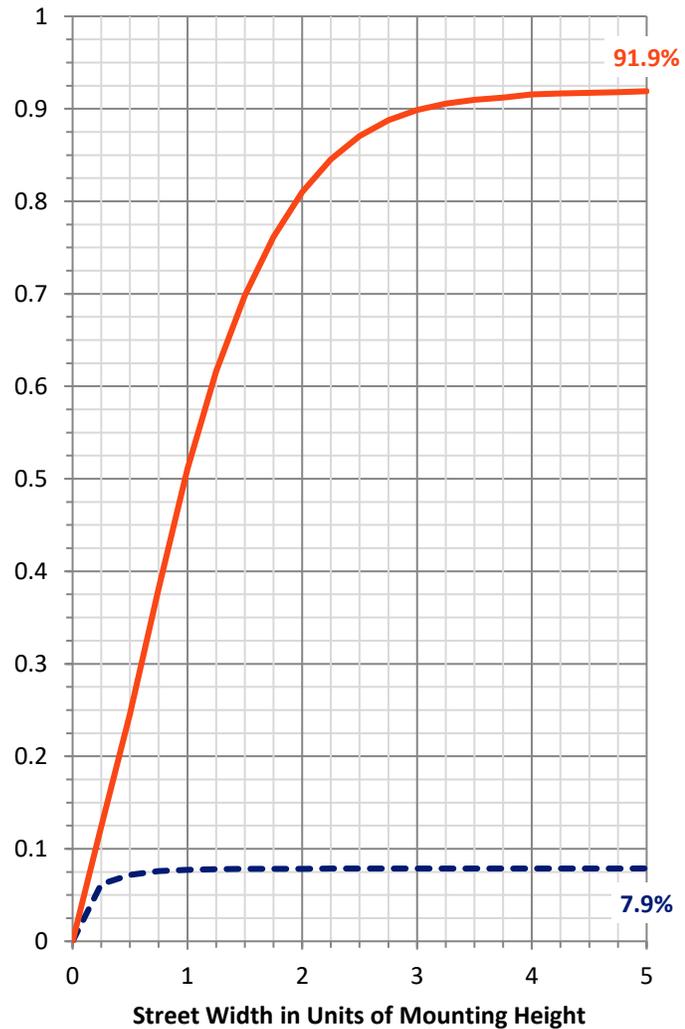
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	370.9	0.0	370.9
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	4314.1	0.0	4314.1
	% Fixture	92.1	0.0	92.1
Total	Lumens	4685.0	0.0	4685.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.6
10°-20°	173.9	3.7
20°-30°	279.5	6.0
30°-40°	474.9	10.1
40°-50°	737.1	15.7
50°-60°	990.9	21.2
60°-70°	1212.3	25.9
70°-80°	708.8	15.1
80°-90°	30.6	0.7
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°	4685.0	100.0
0°-180°	4685.0	100.0



--- HS — SS

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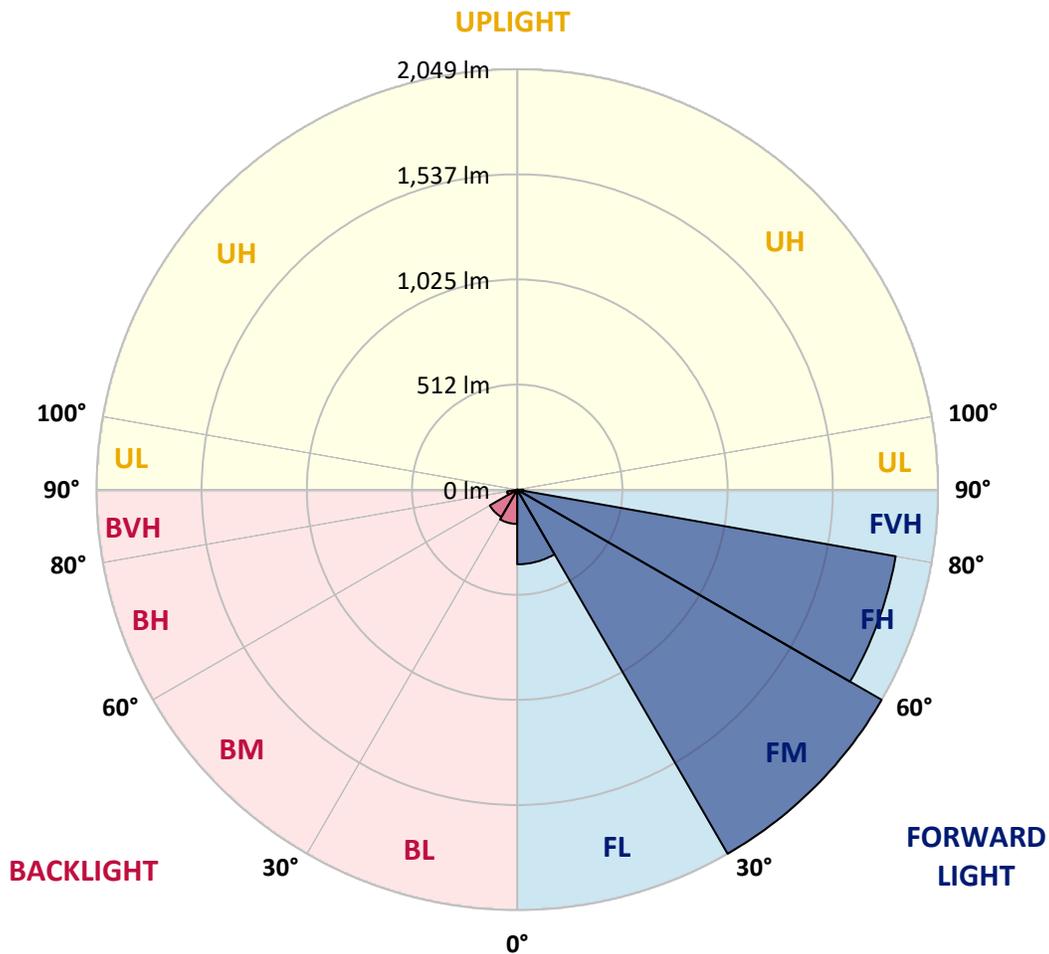
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	363.5	7.8			
FM	(30°-60°)	2049.1	43.7			
FH	(60°-80°)	1871.3	39.9			G2/5000
FVH	(80°-90°)	30.2	0.6			G1/100
BL	(0°-30°)	167.0	3.6	B1/500		
BM	(30°-60°)	153.8	3.3	B0/220		
BH	(60°-80°)	49.7	1.1	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	877.0	878.1	881.9	883.5	887.5	894.3	897.6	897.8	903.3	905.4	907.1
5°	815.0	821.3	827.6	834.3	846.5	862.7	878.7	880.2	897.8	910.9	917.8
7.5°	761.5	767.2	774.8	785.5	802.8	828.2	854.9	858.1	891.5	921.2	936.8
10°	706.6	711.2	722.2	738.0	761.7	795.8	831.8	837.0	885.8	935.1	962.4
12.5°	647.9	650.7	663.9	686.6	721.6	764.9	812.2	819.2	882.3	951.1	992.7
15°	603.3	604.6	617.2	640.8	680.7	737.1	797.1	805.5	883.1	970.2	1025.7
17.5°	592.0	592.6	599.3	615.5	650.9	712.3	785.1	795.4	885.6	988.9	1059.0
20°	638.0	633.6	626.7	624.2	639.3	697.4	777.9	789.5	889.0	1005.5	1088.9
22.5°	764.5	751.4	722.6	684.1	660.8	698.4	779.8	791.4	899.7	1026.0	1123.4
25°	952.1	934.0	885.0	809.3	736.5	728.7	795.6	807.4	920.6	1050.4	1156.4
27.5°	1165.6	1147.8	1087.8	979.7	855.6	788.7	831.8	842.7	951.5	1072.0	1181.6
30°	1370.1	1365.1	1294.4	1171.5	1005.3	885.8	878.5	887.7	974.4	1085.1	1201.6
32.5°	1543.5	1535.5	1478.7	1359.2	1176.8	1002.6	933.4	936.1	991.7	1101.9	1227.7
35°	1704.2	1694.3	1644.4	1531.5	1352.6	1145.2	1018.0	1014.0	1029.3	1135.8	1265.6
37.5°	1844.5	1853.5	1798.2	1690.7	1510.4	1293.5	1132.0	1120.0	1088.2	1190.9	1320.5
40°	1961.9	1961.9	1933.0	1843.4	1680.8	1446.9	1260.9	1245.2	1176.8	1275.9	1390.1
42.5°	2004.2	2013.2	2023.9	1973.2	1833.3	1606.3	1404.6	1388.2	1301.5	1396.4	1478.0
45°	2006.7	2021.0	2075.9	2075.7	1971.1	1764.8	1566.6	1558.8	1461.4	1551.2	1587.0
47.5°	1971.1	1989.0	2079.5	2130.8	2080.3	1912.2	1743.7	1734.0	1649.3	1741.0	1701.0
50°	1916.2	1936.0	2041.2	2152.5	2154.6	2040.5	1930.3	1915.8	1856.1	1957.9	1818.8
52.5°	1818.0	1856.3	2006.9	2157.5	2203.4	2151.4	2107.9	2101.5	2087.5	2166.8	1912.6
55°	1607.8	1650.3	1920.8	2159.2	2248.6	2249.6	2274.3	2275.9	2304.3	2362.0	1982.5
57.5°	1508.5	1532.5	1770.6	2167.2	2315.7	2361.1	2443.8	2456.9	2500.8	2547.3	2062.2
60°	1446.1	1474.5	1696.6	2156.2	2421.1	2507.3	2601.0	2605.4	2652.5	2738.5	2170.1
62.5°	1396.2	1424.2	1649.9	2114.2	2539.5	2683.2	2754.5	2754.9	2790.3	2966.4	2292.8
65°	1273.1	1296.7	1555.4	2066.8	2617.8	2857.2	2932.9	2930.2	2959.0	3206.6	2435.2
67.5°	1095.2	1113.3	1362.5	1887.4	2588.3	3015.4	3202.2	3193.1	3158.2	3414.2	2491.1
70°	846.7	853.2	1073.9	1572.9	2312.3	3076.2	3462.4	3457.8	3280.4	3377.0	2286.0
71°	699.9	721.3	946.4	1388.2	2127.4	3020.0	3487.6	3490.4	3249.7	3275.6	2144.9
72.5°	406.4	424.7	686.0	1066.1	1806.2	2785.7	3356.8	3376.6	3106.3	2979.4	1832.1
75°	87.1	93.2	254.3	516.0	993.6	1952.4	2649.6	2720.0	2531.7	2026.9	1104.2
77.5°	60.6	65.4	109.0	234.1	328.4	964.7	1645.9	1725.4	1512.5	761.7	353.4
80°	48.0	53.4	85.0	115.7	88.8	311.1	771.0	819.6	504.5	170.0	59.5
82.5°	26.7	31.8	66.3	62.5	34.1	59.1	215.8	244.0	101.0	34.3	14.1
85°	7.8	9.5	42.7	45.4	14.5	11.4	36.8	45.6	19.1	9.0	6.3
87.5°	0.0	0.0	20.6	17.5	4.2	1.7	3.4	3.8	3.8	3.8	4.2
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°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	907.1	908.6	903.3	896.4	889.0	880.0	870.5	863.1	862.9	859.3	855.8
5°	918.2	917.4	902.9	880.8	854.7	827.6	801.7	772.5	762.8	750.8	746.8
7.5°	938.9	933.0	902.3	853.9	796.7	739.9	681.2	622.1	596.8	574.1	570.1
10°	964.7	953.6	898.3	813.5	708.5	603.7	515.2	434.8	399.5	372.3	371.1
12.5°	991.7	974.6	887.1	752.5	593.0	445.8	343.7	264.6	235.2	216.3	217.9
15°	1019.9	994.4	863.1	670.2	461.5	302.5	211.2	164.7	152.9	148.1	149.4
17.5°	1048.7	1008.1	829.7	571.1	331.7	195.2	146.2	133.2	133.2	134.2	134.6
20°	1073.7	1015.4	780.5	460.1	224.9	142.2	127.9	126.0	127.1	128.7	129.0
22.5°	1098.5	1015.9	716.3	347.5	157.4	124.5	121.8	121.0	121.6	123.5	123.7
25°	1118.7	1010.8	635.9	247.2	125.6	117.4	116.1	115.7	116.1	118.4	118.4
27.5°	1126.9	992.5	537.9	173.8	112.5	109.4	109.0	109.4	110.0	111.7	111.9
30°	1127.8	960.5	431.0	125.8	102.0	98.7	99.5	101.0	100.3	99.9	100.3
32.5°	1129.9	923.5	326.9	103.5	93.2	87.9	86.9	86.9	84.4	82.9	82.0
35°	1136.8	880.0	237.1	93.0	84.1	78.0	74.0	69.4	64.6	62.1	61.4
37.5°	1147.8	834.3	169.8	86.0	76.2	69.2	61.6	53.4	46.5	44.6	44.6
40°	1167.7	787.2	125.6	80.6	69.8	61.2	49.9	39.1	32.8	31.8	31.8
42.5°	1199.3	737.5	100.1	75.7	64.4	53.0	38.1	28.4	23.8	23.1	22.9
45°	1232.1	682.8	87.5	71.1	58.5	43.5	28.2	21.0	18.3	17.7	17.7
47.5°	1264.9	624.6	81.4	66.7	52.8	33.9	21.0	16.6	15.4	15.4	15.6
50°	1292.7	563.8	77.0	61.8	45.4	25.7	16.6	14.1	13.7	14.5	14.7
52.5°	1299.6	504.0	71.5	55.7	36.4	19.6	13.7	12.4	12.4	12.4	12.4
55°	1295.4	457.8	64.4	48.2	26.9	15.6	11.8	10.9	10.7	10.7	10.7
57.5°	1309.7	430.4	51.5	37.4	19.4	12.6	10.3	9.7	9.3	9.0	9.0
60°	1338.6	412.5	36.8	26.9	14.5	10.5	8.8	8.2	7.6	7.2	7.2
62.5°	1376.8	397.0	27.3	20.0	11.1	8.4	7.4	6.7	5.9	5.5	5.5
65°	1406.3	369.2	20.8	14.9	8.4	6.7	5.7	5.5	4.2	3.8	3.6
67.5°	1361.3	308.2	16.8	10.9	6.3	5.3	4.4	4.2	2.5	2.1	2.1
70°	1167.5	214.6	13.5	8.0	4.6	4.2	3.6	2.7	1.9	1.7	1.7
71°	1058.8	179.2	12.2	6.7	4.0	4.0	3.4	2.3	1.7	1.5	1.5
72.5°	879.5	127.3	10.3	5.3	3.6	4.2	3.6	2.1	1.7	1.5	1.3
75°	510.6	53.2	7.2	3.6	2.7	5.0	4.6	1.9	1.3	1.1	1.1
77.5°	153.6	19.6	4.0	2.3	2.1	4.4	5.3	1.7	0.6	0.2	0.2
80°	28.0	8.4	2.5	1.5	1.5	2.7	4.0	0.8	0.0	0.0	0.0
82.5°	9.9	4.2	1.5	0.8	0.6	1.3	1.9	0.0	0.0	0.0	0.0
85°	5.7	2.9	0.8	0.4	0.0	0.2	0.4	0.0	0.0	0.0	0.0
87.5°	3.8	0.8	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)