

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: P1208139

Luminaire Tested: UPW-SA1-040-750-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208139
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-SA1-040-750-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4694 lumens
Efficiency: N/A
Efficacy: 106.7 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

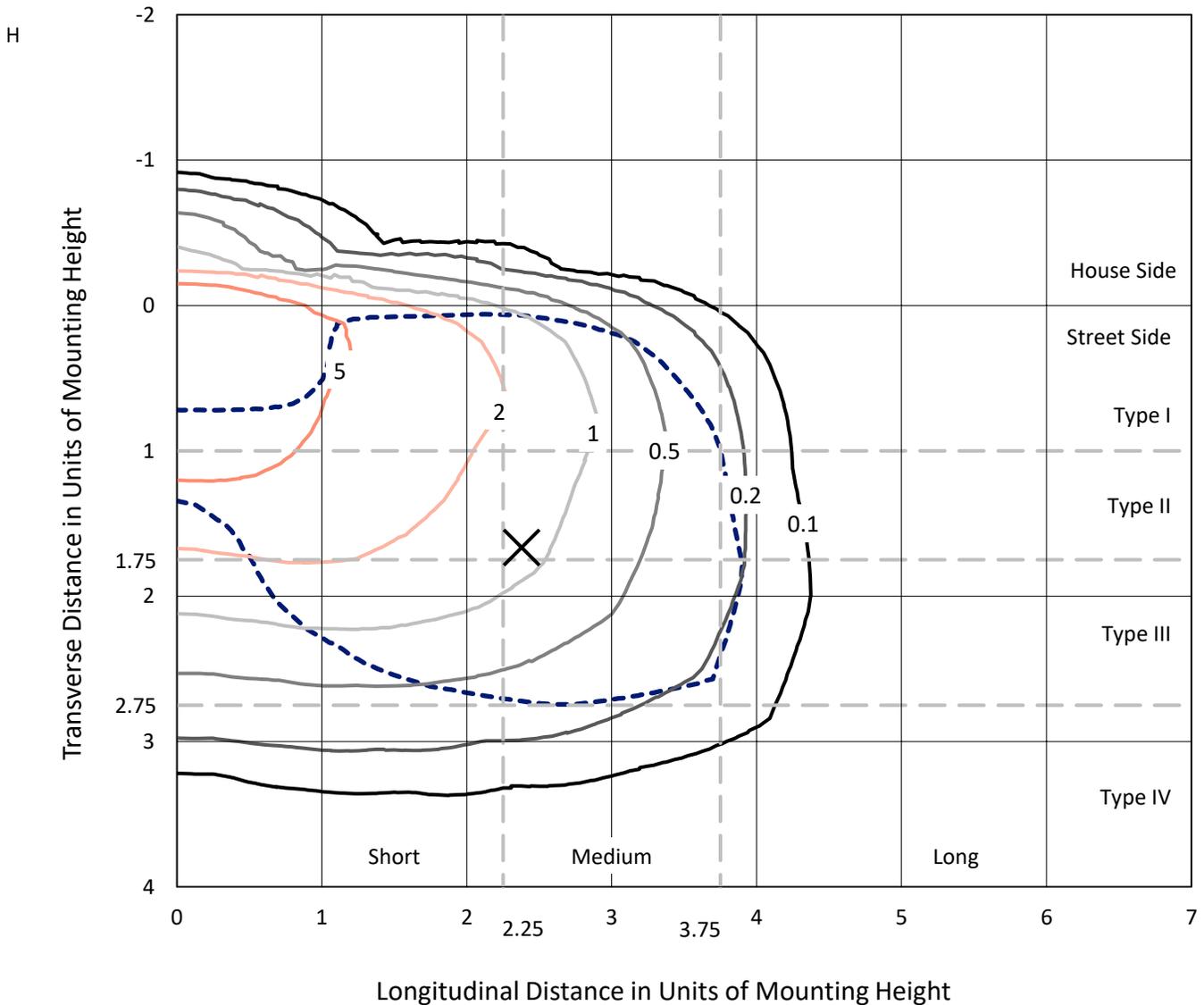
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208139
 CATALOG NUMBER: UPW-SA1-040-750-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

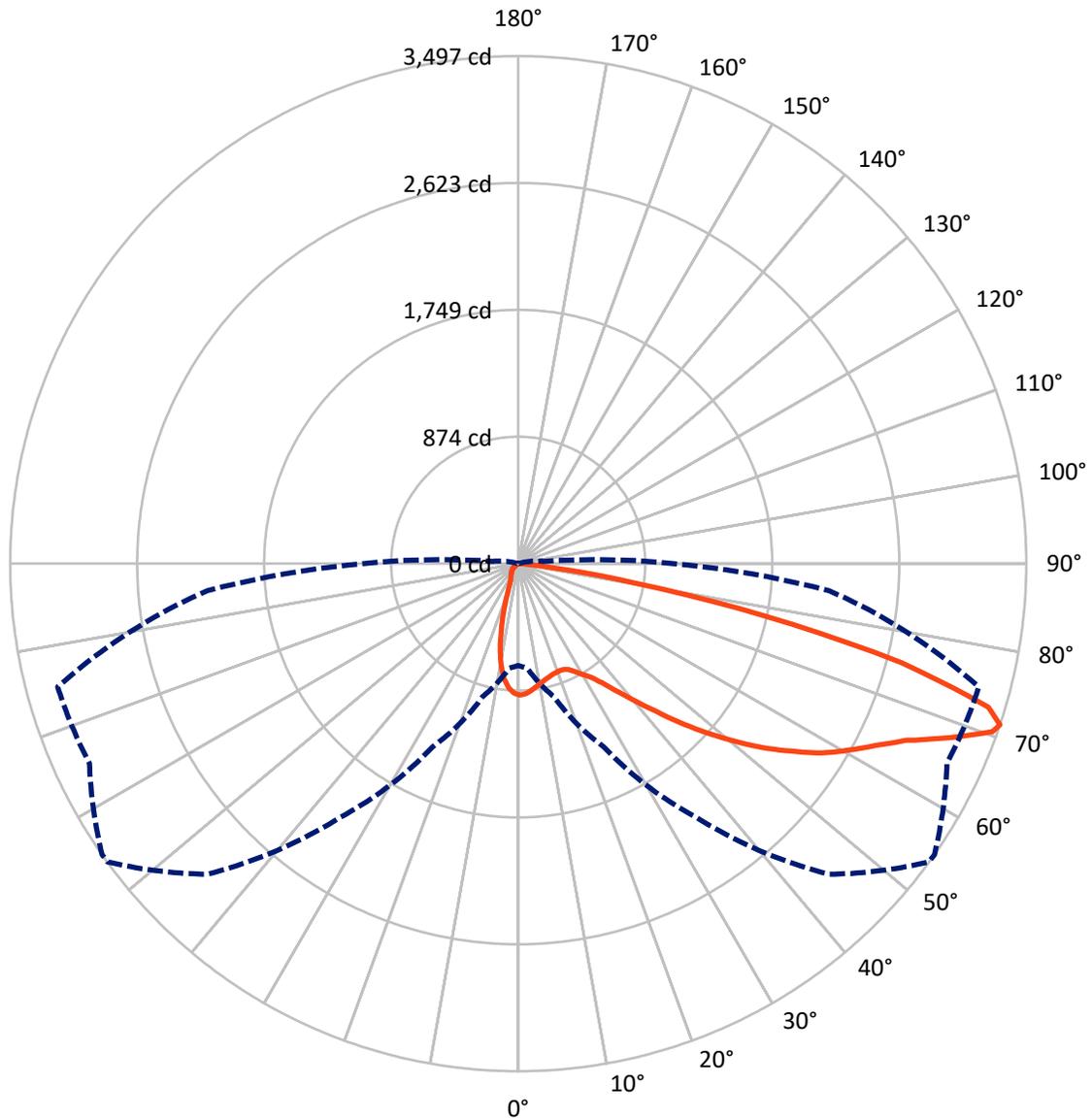
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P1208139
CATALOG NUMBER: UPW-SA1-040-750-U-T3R-HSS

Luminous Intensity Polar Plot



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

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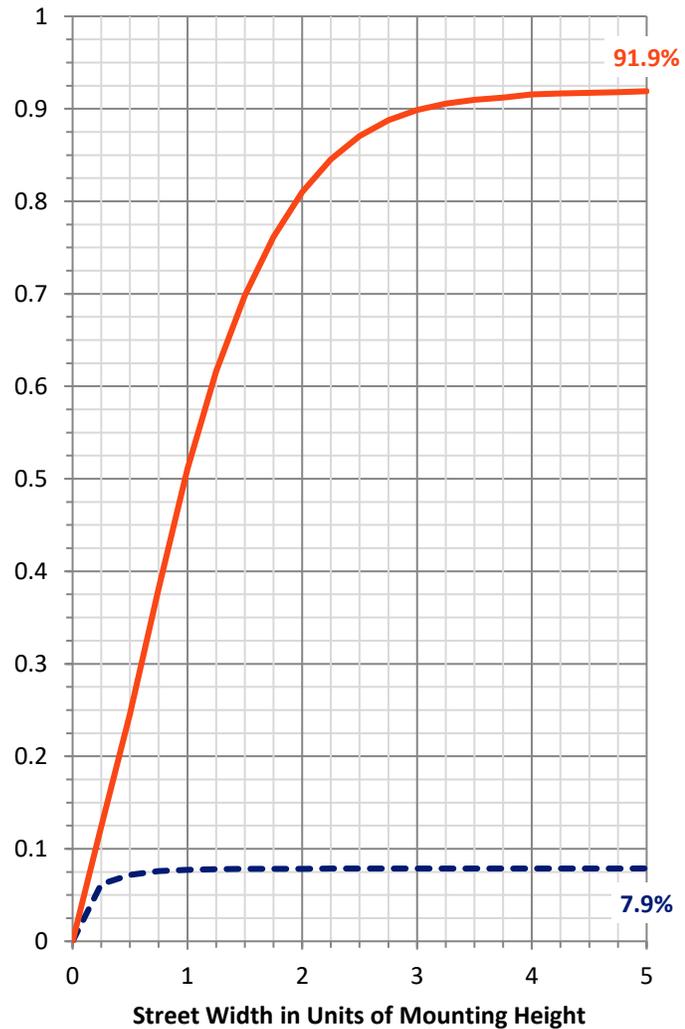
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	371.6	0.0	371.6
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	4322.4	0.0	4322.4
	% Fixture	92.1	0.0	92.1
Total	Lumens	4694.0	0.0	4694.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.6
10°-20°	174.3	3.7
20°-30°	280.0	6.0
30°-40°	475.8	10.1
40°-50°	738.5	15.7
50°-60°	992.9	21.2
60°-70°	1214.6	25.9
70°-80°	710.1	15.1
80°-90°	30.7	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°	4694.0	100.0
0°-180°	4694.0	100.0



--- HS — SS

REPORT NUMBER: P1208139

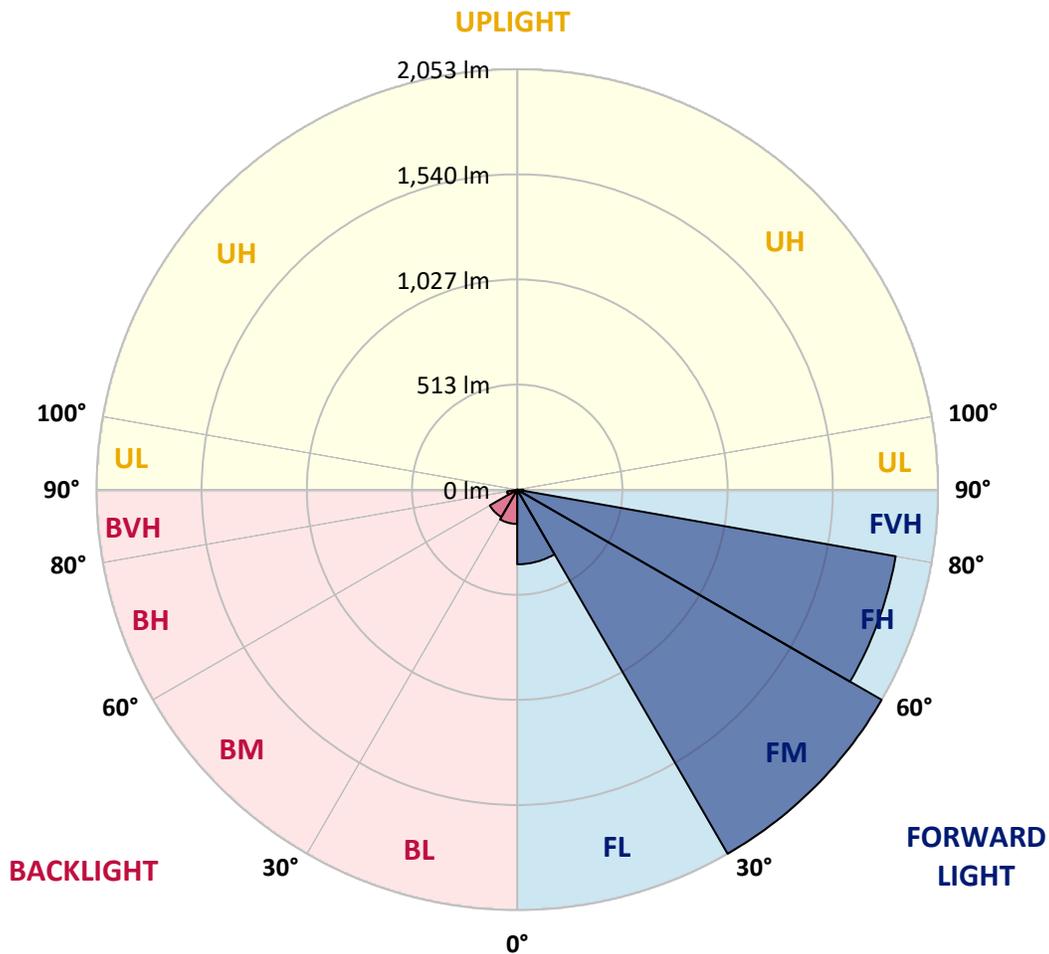
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.2	7.8			
FM	(30°-60°)	2053.0	43.7			
FH	(60°-80°)	1874.9	39.9			G2/5000
FVH	(80°-90°)	30.2	0.6			G1/100
BL	(0°-30°)	167.3	3.6	B1/500		
BM	(30°-60°)	154.1	3.3	B0/220		
BH	(60°-80°)	49.8	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





REPORT NUMBER: P1208139

CATALOG NUMBER: UPW-SA1-040-750-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3
2.5°	878.7	879.8	883.5	885.2	889.2	896.0	899.4	899.6	905.0	907.2	908.8
5°	816.5	822.8	829.2	835.9	848.1	864.4	880.4	881.9	899.6	912.6	919.6
7.5°	763.0	768.7	776.3	787.0	804.3	829.8	856.6	859.7	893.2	923.0	938.6
10°	708.0	712.6	723.6	739.4	763.2	797.3	833.4	838.7	887.6	936.9	964.3
12.5°	649.2	651.9	665.2	688.0	722.9	766.4	813.8	820.7	884.0	952.9	994.6
15°	604.5	605.8	618.4	642.0	682.0	738.5	798.6	807.0	884.8	972.1	1027.7
17.5°	593.1	593.7	600.5	616.7	652.1	713.7	786.6	796.9	887.3	990.8	1061.0
20°	639.3	634.8	627.9	625.4	640.5	698.7	779.4	791.0	890.7	1007.5	1090.9
22.5°	765.9	752.9	724.0	685.4	662.0	699.8	781.3	792.9	901.5	1027.9	1125.5
25°	953.9	935.8	886.7	810.8	737.9	730.1	797.1	808.9	922.3	1052.4	1158.6
27.5°	1167.9	1150.0	1089.9	981.6	857.2	790.2	833.4	844.3	953.3	1074.1	1183.9
30°	1372.7	1367.7	1296.9	1173.8	1007.3	887.6	880.2	889.4	976.3	1087.1	1203.9
32.5°	1546.4	1538.4	1481.5	1361.8	1179.0	1004.5	935.2	937.9	993.6	1104.0	1230.1
35°	1707.4	1697.5	1647.6	1534.4	1355.2	1147.4	1019.9	1015.9	1031.3	1137.9	1268.0
37.5°	1848.0	1857.1	1801.7	1694.0	1513.3	1296.0	1134.2	1122.1	1090.3	1193.2	1323.0
40°	1965.6	1965.6	1936.8	1847.0	1684.0	1449.7	1263.4	1247.5	1179.0	1278.3	1392.8
42.5°	2008.0	2017.1	2027.8	1977.0	1836.9	1609.4	1407.3	1390.9	1304.0	1399.1	1480.9
45°	2010.5	2024.9	2079.9	2079.7	1974.9	1768.1	1569.6	1561.8	1464.2	1554.2	1590.0
47.5°	1974.9	1992.8	2083.5	2134.9	2084.3	1915.9	1747.1	1737.4	1652.4	1744.3	1704.3
50°	1919.9	1939.7	2045.1	2156.6	2158.7	2044.5	1934.0	1919.5	1859.6	1961.6	1822.3
52.5°	1821.5	1859.8	2010.7	2161.7	2207.6	2155.5	2111.9	2105.6	2091.5	2170.9	1916.3
55°	1610.9	1653.5	1924.5	2163.3	2252.9	2254.0	2278.6	2280.3	2308.8	2366.5	1986.3
57.5°	1511.4	1535.5	1774.0	2171.3	2320.1	2365.7	2448.5	2461.6	2505.6	2552.2	2066.2
60°	1448.8	1477.3	1699.9	2160.4	2425.7	2512.2	2606.0	2610.4	2657.6	2743.8	2174.3
62.5°	1398.9	1426.9	1653.1	2118.2	2544.4	2688.4	2759.8	2760.2	2795.6	2972.1	2297.2
65°	1275.6	1299.2	1558.4	2070.8	2622.8	2862.7	2938.5	2935.8	2964.7	3212.8	2439.9
67.5°	1097.3	1115.4	1365.2	1891.0	2593.3	3021.2	3208.3	3199.3	3164.3	3420.8	2495.9
70°	848.3	854.9	1076.0	1575.9	2316.8	3082.1	3469.1	3464.4	3286.7	3383.5	2290.4
71°	701.2	722.7	948.3	1390.9	2131.5	3025.8	3494.3	3497.1	3256.0	3281.9	2149.0
72.5°	407.2	425.5	687.3	1068.2	1809.7	2791.0	3363.2	3383.1	3112.2	2985.1	1835.6
75°	87.3	93.4	254.8	517.0	995.5	1956.2	2654.6	2725.2	2536.6	2030.8	1106.3
77.5°	60.7	65.5	109.2	234.6	329.0	966.6	1649.1	1728.7	1515.4	763.2	354.1
80°	48.1	53.5	85.2	115.9	88.9	311.7	772.5	821.2	505.4	170.3	59.6
82.5°	26.8	31.8	66.4	62.6	34.1	59.2	216.2	244.5	101.2	34.4	14.1
85°	7.8	9.5	42.8	45.5	14.5	11.4	36.9	45.7	19.2	9.1	6.3
87.5°	0.0	0.0	20.7	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



REPORT NUMBER: P1208139

CATALOG NUMBER: UPW-SA1-040-750-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3	905.3
2.5°	908.8	910.3	905.0	898.1	890.7	881.6	872.2	864.8	864.6	861.0	857.4
5°	920.0	919.2	904.6	882.5	856.4	829.2	803.2	773.9	764.2	752.2	748.2
7.5°	940.7	934.8	904.0	855.5	798.2	741.3	682.5	623.2	598.0	575.2	571.2
10°	966.6	955.4	900.0	815.0	709.9	604.9	516.2	435.7	400.3	373.1	371.8
12.5°	993.6	976.5	888.8	753.9	594.2	446.6	344.4	265.1	235.6	216.7	218.4
15°	1021.8	996.3	864.8	671.5	462.4	303.1	211.6	165.0	153.2	148.4	149.6
17.5°	1050.7	1010.0	831.3	572.2	332.4	195.6	146.5	133.4	133.4	134.5	134.9
20°	1075.8	1017.4	782.0	461.0	225.3	142.5	128.1	126.3	127.3	129.0	129.2
22.5°	1100.6	1017.8	717.7	348.2	157.7	124.8	122.0	121.2	121.8	123.7	123.9
25°	1120.9	1012.7	637.2	247.7	125.8	117.6	116.3	115.9	116.3	118.7	118.7
27.5°	1129.1	994.4	538.9	174.1	112.8	109.6	109.2	109.6	110.2	111.9	112.1
30°	1129.9	962.4	431.9	126.0	102.2	98.9	99.7	101.2	100.5	100.1	100.5
32.5°	1132.0	925.3	327.5	103.7	93.4	88.1	87.0	87.0	84.5	83.0	82.2
35°	1139.0	881.6	237.5	93.2	84.3	78.2	74.2	69.6	64.7	62.2	61.5
37.5°	1150.0	835.9	170.1	86.2	76.3	69.3	61.8	53.5	46.6	44.7	44.7
40°	1170.0	788.7	125.8	80.7	70.0	61.3	50.0	39.2	32.9	31.8	31.8
42.5°	1201.6	739.0	100.3	75.9	64.5	53.1	38.1	28.5	23.8	23.2	23.0
45°	1234.5	684.2	87.7	71.2	58.6	43.6	28.2	21.1	18.3	17.7	17.7
47.5°	1267.4	625.8	81.6	66.8	52.9	33.9	21.1	16.7	15.4	15.4	15.6
50°	1295.2	564.9	77.1	62.0	45.5	25.7	16.7	14.1	13.7	14.5	14.8
52.5°	1302.1	505.0	71.7	55.9	36.5	19.6	13.7	12.4	12.4	12.4	12.4
55°	1297.9	458.6	64.5	48.3	27.0	15.6	11.8	11.0	10.7	10.7	10.7
57.5°	1312.3	431.2	51.6	37.5	19.4	12.6	10.3	9.7	9.3	9.1	9.1
60°	1341.1	413.3	36.9	27.0	14.5	10.5	8.9	8.2	7.6	7.2	7.2
62.5°	1379.5	397.7	27.4	20.0	11.2	8.4	7.4	6.7	5.9	5.5	5.5
65°	1409.0	369.9	20.9	15.0	8.4	6.7	5.7	5.5	4.2	3.8	3.6
67.5°	1363.9	308.8	16.9	11.0	6.3	5.3	4.4	4.2	2.5	2.1	2.1
70°	1169.8	215.0	13.5	8.0	4.6	4.2	3.6	2.7	1.9	1.7	1.7
71°	1060.8	179.6	12.2	6.7	4.0	4.0	3.4	2.3	1.7	1.5	1.5
72.5°	881.2	127.5	10.3	5.3	3.6	4.2	3.6	2.1	1.7	1.5	1.3
75°	511.5	53.3	7.2	3.6	2.7	5.1	4.6	1.9	1.3	1.1	1.1
77.5°	153.9	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	3.0	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)