

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: P1208598

Luminaire Tested: UPW-SA1-070-740-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208598
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-SA1-070-740-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 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: 6373 lumens
Efficiency: N/A
Efficacy: 95.1 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

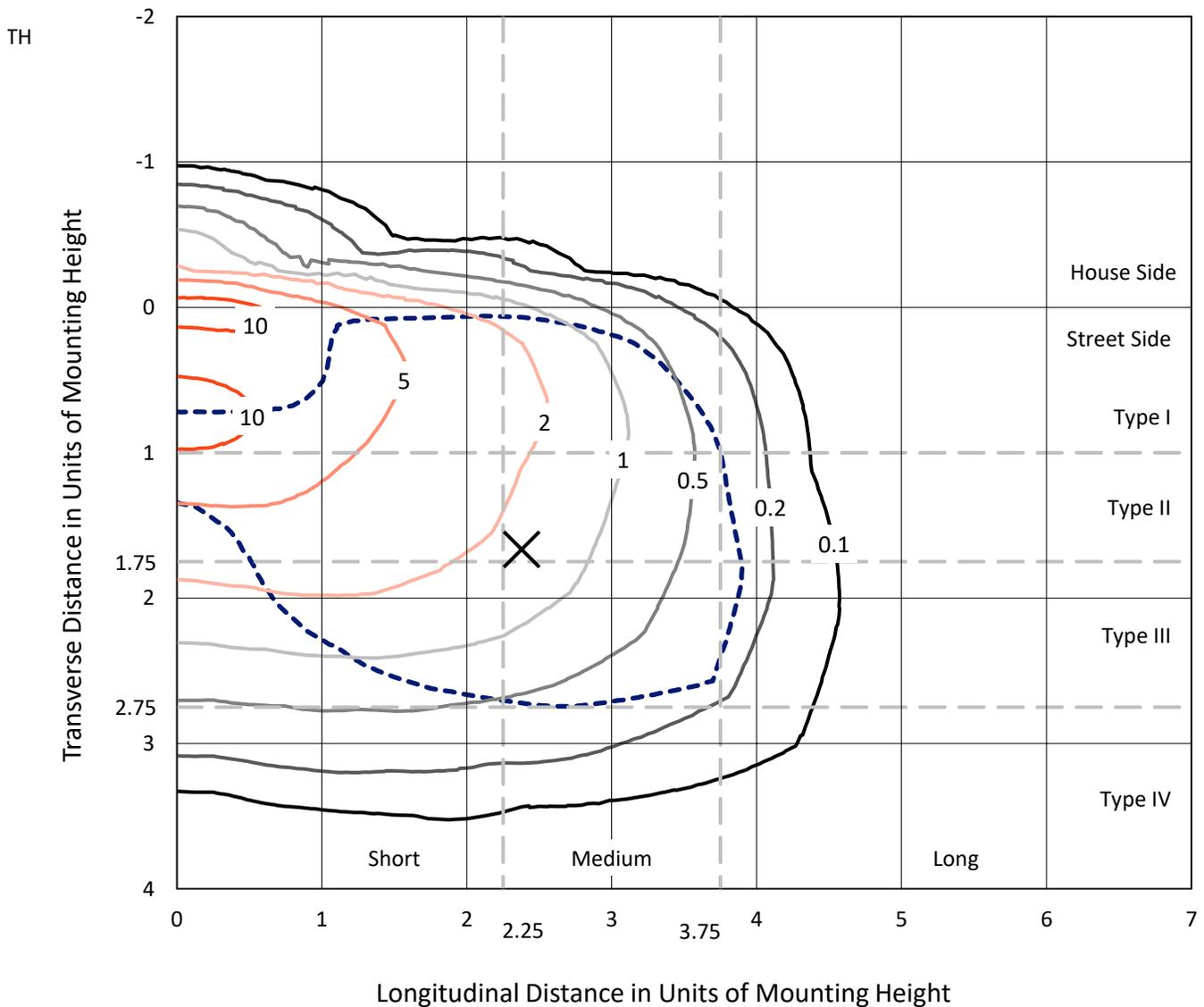
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

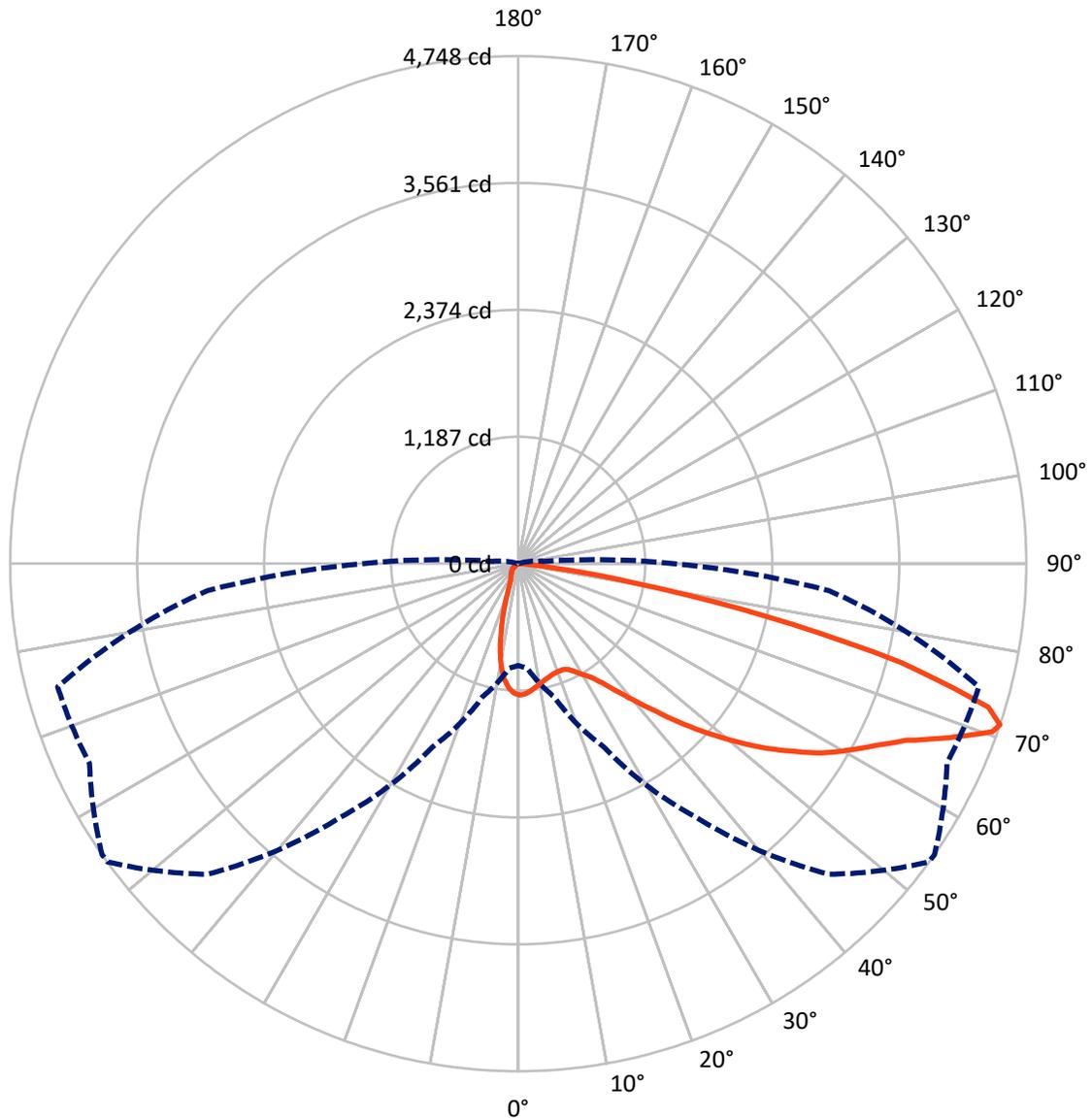


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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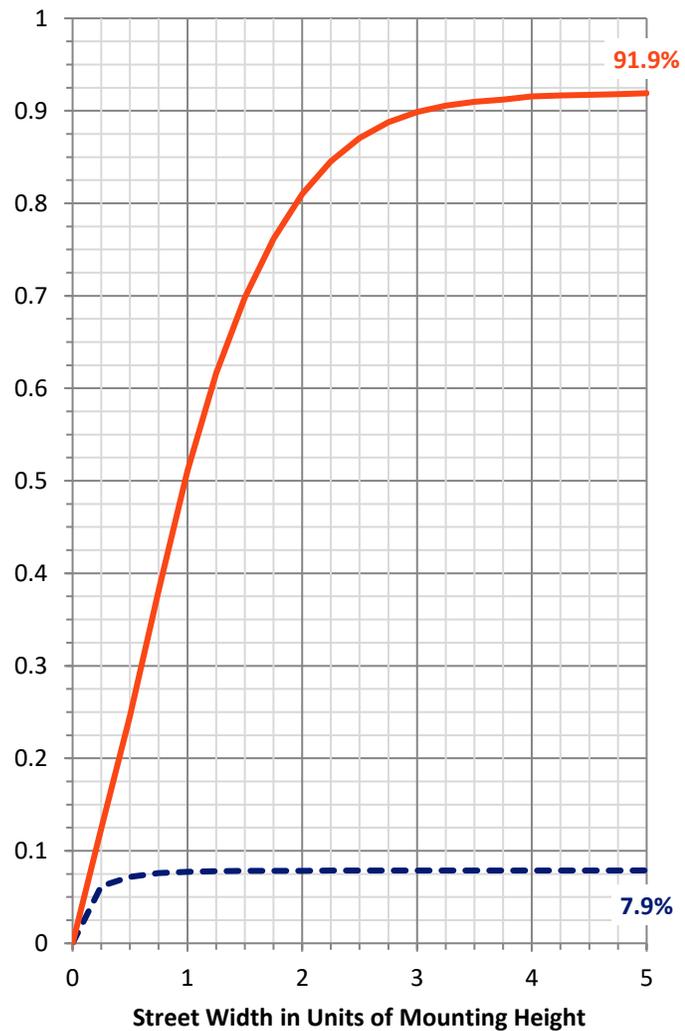
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	504.6	0.0	504.6
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	5868.4	0.0	5868.4
	% Fixture	92.1	0.0	92.1
Total	Lumens	6373.0	0.0	6373.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	1.6
10°-20°	236.6	3.7
20°-30°	380.2	6.0
30°-40°	646.0	10.1
40°-50°	1002.6	15.7
50°-60°	1348.0	21.2
60°-70°	1649.0	25.9
70°-80°	964.2	15.1
80°-90°	41.7	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°	6373.0	100.0
0°-180°	6373.0	100.0



--- HS — SS

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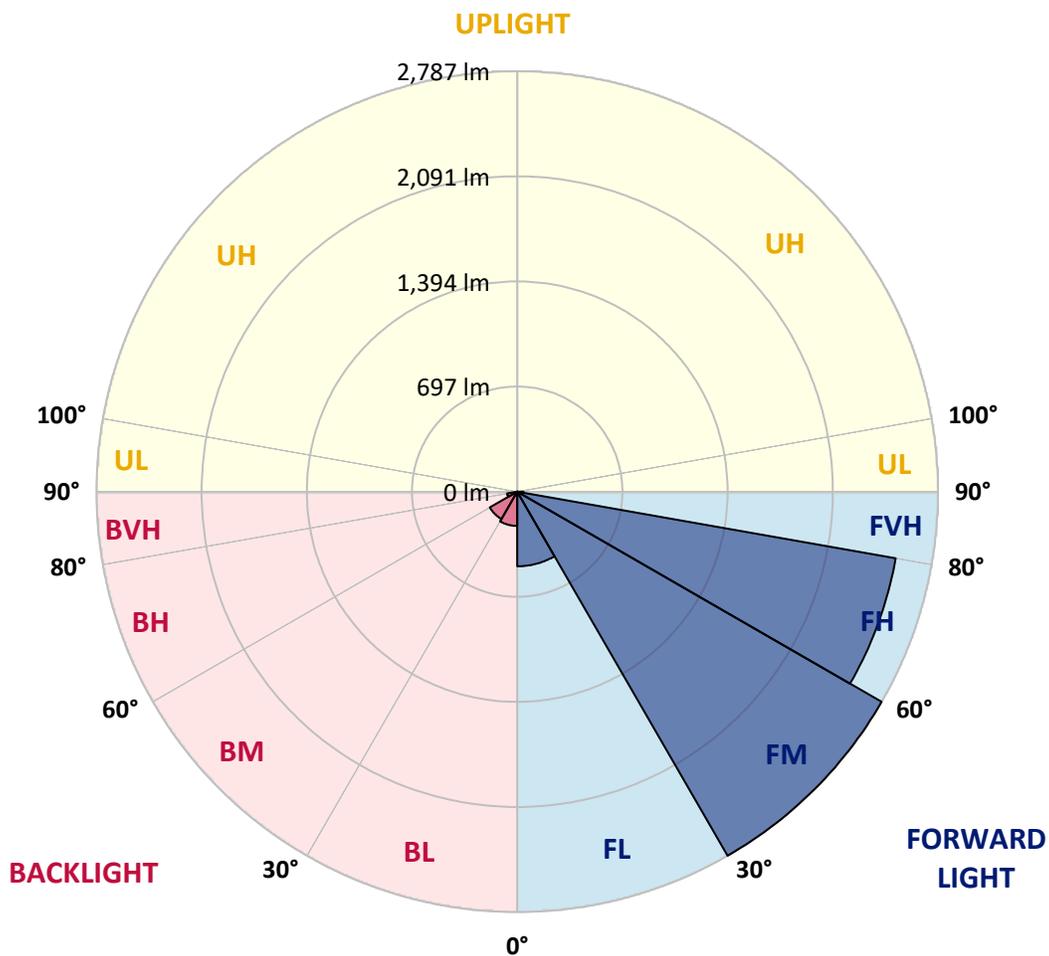
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	494.5	7.8			
FM	(30°-60°)	2787.4	43.7			
FH	(60°-80°)	2545.6	39.9			G2/5000
FVH	(80°-90°)	41.0	0.6			G1/100
BL	(0°-30°)	227.1	3.6	B1/500		
BM	(30°-60°)	209.2	3.3	B0/220		
BH	(60°-80°)	67.6	1.1	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1193.0	1194.4	1199.6	1201.9	1207.3	1216.5	1221.0	1221.3	1228.8	1231.6	1233.9
5°	1108.6	1117.2	1125.8	1134.9	1151.5	1173.5	1195.3	1197.3	1221.3	1239.1	1248.5
7.5°	1035.9	1043.6	1053.9	1068.5	1092.0	1126.6	1163.0	1167.2	1212.7	1253.1	1274.3
10°	961.2	967.5	982.4	1003.8	1036.2	1082.5	1131.5	1138.6	1205.0	1272.0	1309.2
12.5°	881.4	885.1	903.1	934.0	981.5	1040.5	1104.9	1114.3	1200.2	1293.7	1350.4
15°	820.7	822.4	839.6	871.6	926.0	1002.7	1084.3	1095.7	1201.3	1319.8	1395.3
17.5°	805.3	806.1	815.3	837.3	885.4	968.9	1067.9	1082.0	1204.7	1345.2	1440.5
20°	867.9	861.9	852.5	849.0	869.6	948.6	1058.2	1074.0	1209.3	1367.8	1481.2
22.5°	1039.9	1022.2	983.0	930.6	898.8	950.1	1060.8	1076.5	1223.9	1395.6	1528.1
25°	1295.2	1270.5	1203.9	1100.9	1001.8	991.3	1082.3	1098.3	1252.2	1428.8	1573.0
27.5°	1585.6	1561.3	1479.7	1332.6	1163.8	1072.8	1131.5	1146.4	1294.3	1458.3	1607.4
30°	1863.8	1856.9	1760.7	1593.6	1367.6	1205.0	1195.0	1207.6	1325.5	1476.0	1634.5
32.5°	2099.6	2088.7	2011.4	1848.9	1600.8	1363.8	1269.7	1273.4	1349.0	1498.9	1670.0
35°	2318.2	2304.7	2236.9	2083.2	1840.0	1557.9	1384.7	1379.3	1400.2	1545.0	1721.5
37.5°	2509.0	2521.4	2446.1	2299.9	2054.6	1759.6	1539.8	1523.5	1480.3	1620.0	1796.2
40°	2668.7	2668.7	2629.5	2507.6	2286.4	1968.2	1715.2	1693.8	1600.8	1735.6	1890.9
42.5°	2726.2	2738.5	2753.1	2684.2	2493.9	2185.1	1910.7	1888.4	1770.5	1899.5	2010.6
45°	2729.7	2749.1	2823.8	2823.5	2681.3	2400.6	2131.0	2120.4	1988.0	2110.1	2158.8
47.5°	2681.3	2705.6	2828.7	2898.5	2829.8	2601.2	2372.0	2358.8	2243.5	2368.3	2313.9
50°	2606.6	2633.5	2776.6	2928.0	2930.8	2775.7	2625.8	2606.1	2524.8	2663.3	2474.1
52.5°	2473.0	2525.1	2730.0	2934.9	2997.2	2926.6	2867.3	2858.7	2839.6	2947.4	2601.8
55°	2187.1	2244.9	2612.9	2937.1	3058.8	3060.2	3093.7	3096.0	3134.6	3213.0	2696.8
57.5°	2052.1	2084.7	2408.6	2948.0	3150.0	3211.9	3324.3	3342.1	3401.9	3465.1	2805.2
60°	1967.1	2005.7	2307.9	2933.1	3293.4	3410.7	3538.1	3544.1	3608.2	3725.2	2952.0
62.5°	1899.2	1937.3	2244.4	2875.9	3454.5	3650.0	3747.0	3747.5	3795.6	4035.1	3118.9
65°	1731.8	1763.9	2115.9	2811.5	3561.0	3886.6	3989.6	3985.9	4025.1	4361.9	3312.6
67.5°	1489.7	1514.4	1853.5	2567.4	3520.9	4101.8	4355.9	4343.6	4296.1	4644.4	3388.7
70°	1151.8	1160.7	1460.8	2139.6	3145.5	4184.5	4709.9	4703.6	4462.4	4593.7	3109.7
71°	952.1	981.2	1287.4	1888.4	2893.9	4108.1	4744.2	4748.0	4420.6	4455.8	2917.7
72.5°	552.9	577.8	933.2	1450.3	2457.0	3789.3	4566.3	4593.1	4225.4	4052.9	2492.2
75°	118.5	126.8	346.0	701.9	1351.5	2655.8	3604.2	3700.0	3443.9	2757.1	1502.1
77.5°	82.4	89.0	148.2	318.5	446.7	1312.3	2238.9	2347.1	2057.5	1036.2	480.7
80°	65.2	72.7	115.6	157.4	120.8	423.2	1048.8	1114.9	686.2	231.2	81.0
82.5°	36.3	43.2	90.1	85.0	46.4	80.4	293.6	331.9	137.4	46.6	19.2
85°	10.6	12.9	58.1	61.8	19.7	15.5	50.1	62.1	26.0	12.3	8.6
87.5°	0.0	0.0	28.0	23.8	5.7	2.3	4.6	5.2	5.2	5.2	5.7
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°	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1233.9	1235.9	1228.8	1219.3	1209.3	1197.0	1184.1	1174.1	1173.8	1169.0	1164.1
5°	1249.1	1247.9	1228.2	1198.2	1162.7	1125.8	1090.6	1050.8	1037.6	1021.3	1015.9
7.5°	1277.1	1269.1	1227.3	1161.5	1083.7	1006.4	926.6	846.2	811.8	780.9	775.5
10°	1312.3	1297.2	1221.9	1106.6	963.8	821.3	700.8	591.5	543.4	506.5	504.8
12.5°	1349.0	1325.8	1206.7	1023.6	806.7	606.4	467.6	360.0	319.9	294.2	296.5
15°	1387.3	1352.7	1174.1	911.7	627.8	411.5	287.3	224.1	208.0	201.5	203.2
17.5°	1426.5	1371.3	1128.6	776.9	451.3	265.6	198.9	181.1	181.1	182.6	183.1
20°	1460.6	1381.3	1061.7	625.8	305.9	193.4	174.0	171.4	172.8	175.1	175.4
22.5°	1494.3	1381.9	974.4	472.7	214.0	169.4	165.7	164.5	165.4	168.0	168.3
25°	1521.8	1375.0	865.1	336.2	170.8	159.7	158.0	157.4	158.0	161.1	161.1
27.5°	1533.0	1350.1	731.7	236.4	153.1	148.8	148.2	148.8	149.7	152.0	152.2
30°	1534.1	1306.6	586.3	171.1	138.8	134.2	135.4	137.4	136.5	135.9	136.5
32.5°	1537.0	1256.2	444.7	140.8	126.8	119.6	118.2	118.2	114.8	112.7	111.6
35°	1546.4	1197.0	322.5	126.5	114.5	106.2	100.7	94.4	87.9	84.4	83.6
37.5°	1561.3	1134.9	230.9	117.0	103.6	94.1	83.8	72.7	63.2	60.7	60.7
40°	1588.5	1070.8	170.8	109.6	95.0	83.3	67.8	53.2	44.6	43.2	43.2
42.5°	1631.4	1003.3	136.2	103.0	87.6	72.1	51.8	38.6	32.3	31.5	31.2
45°	1676.0	928.9	119.0	96.7	79.6	59.2	38.3	28.6	24.9	24.0	24.0
47.5°	1720.7	849.6	110.7	90.7	71.8	46.1	28.6	22.6	20.9	20.9	21.2
50°	1758.5	766.9	104.7	84.1	61.8	34.9	22.6	19.2	18.6	19.7	20.0
52.5°	1767.9	685.6	97.3	75.8	49.5	26.6	18.6	16.9	16.9	16.9	16.9
55°	1762.2	622.7	87.6	65.5	36.6	21.2	16.0	14.9	14.6	14.6	14.6
57.5°	1781.6	585.5	70.1	50.9	26.3	17.2	14.0	13.2	12.6	12.3	12.3
60°	1820.8	561.2	50.1	36.6	19.7	14.3	12.0	11.2	10.3	9.7	9.7
62.5°	1872.9	540.0	37.2	27.2	15.2	11.4	10.0	9.2	8.0	7.4	7.4
65°	1913.0	502.2	28.3	20.3	11.4	9.2	7.7	7.4	5.7	5.2	4.9
67.5°	1851.7	419.2	22.9	14.9	8.6	7.2	6.0	5.7	3.4	2.9	2.9
70°	1588.2	291.9	18.3	10.9	6.3	5.7	4.9	3.7	2.6	2.3	2.3
71°	1440.2	243.8	16.6	9.2	5.4	5.4	4.6	3.1	2.3	2.0	2.0
72.5°	1196.4	173.1	14.0	7.2	4.9	5.7	4.9	2.9	2.3	2.0	1.7
75°	694.5	72.4	9.7	4.9	3.7	6.9	6.3	2.6	1.7	1.4	1.4
77.5°	208.9	26.6	5.4	3.1	2.9	6.0	7.2	2.3	0.9	0.3	0.3
80°	38.1	11.4	3.4	2.0	2.0	3.7	5.4	1.1	0.0	0.0	0.0
82.5°	13.4	5.7	2.0	1.1	0.9	1.7	2.6	0.0	0.0	0.0	0.0
85°	7.7	4.0	1.1	0.6	0.0	0.3	0.6	0.0	0.0	0.0	0.0
87.5°	5.2	1.1	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)