

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: P1208355

Luminaire Tested: UPW-SA1-060-740-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208355
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-SA1-060-740-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 1050mA 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: 5809 lumens
Efficiency: N/A
Efficacy: 98.5 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

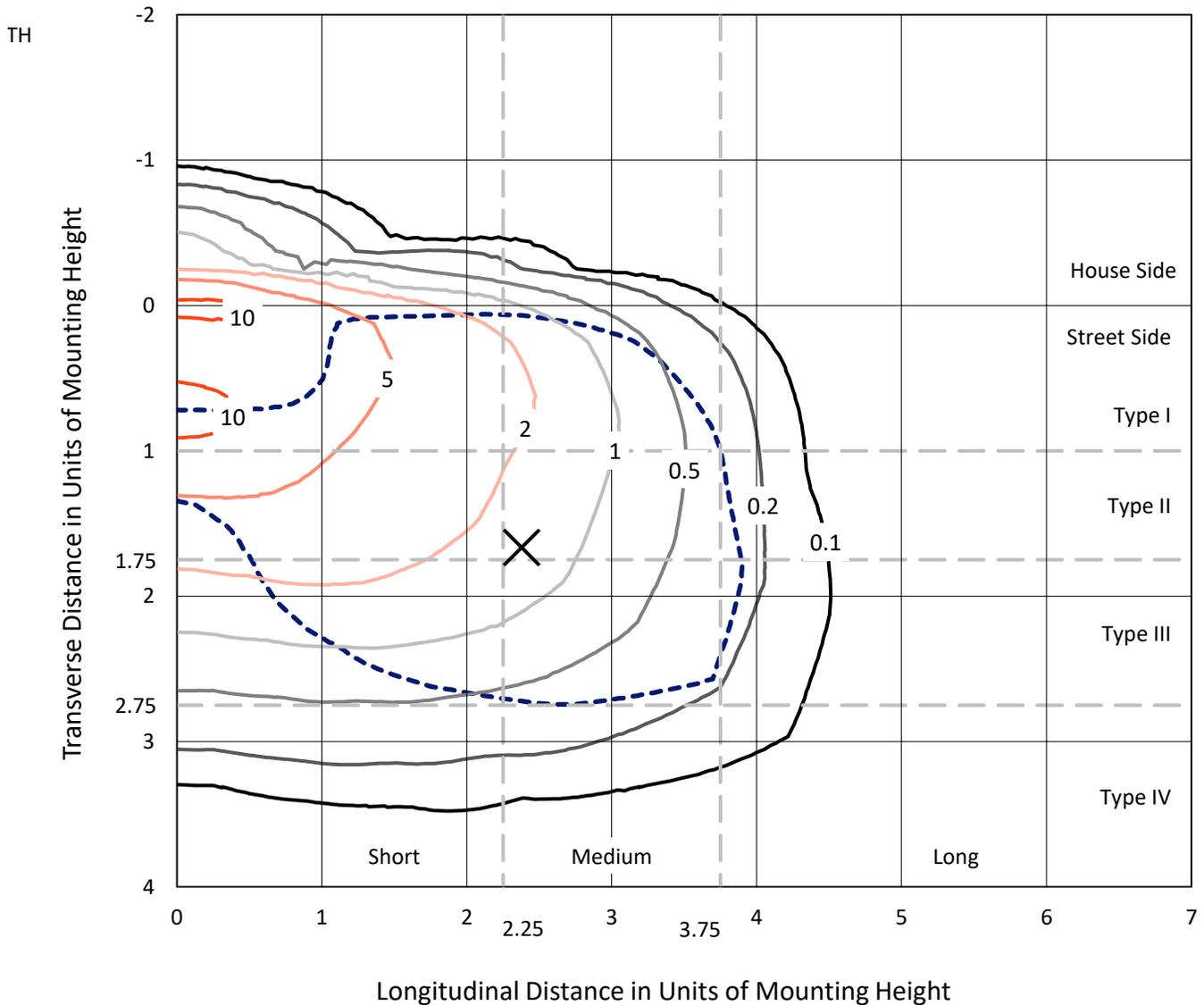
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

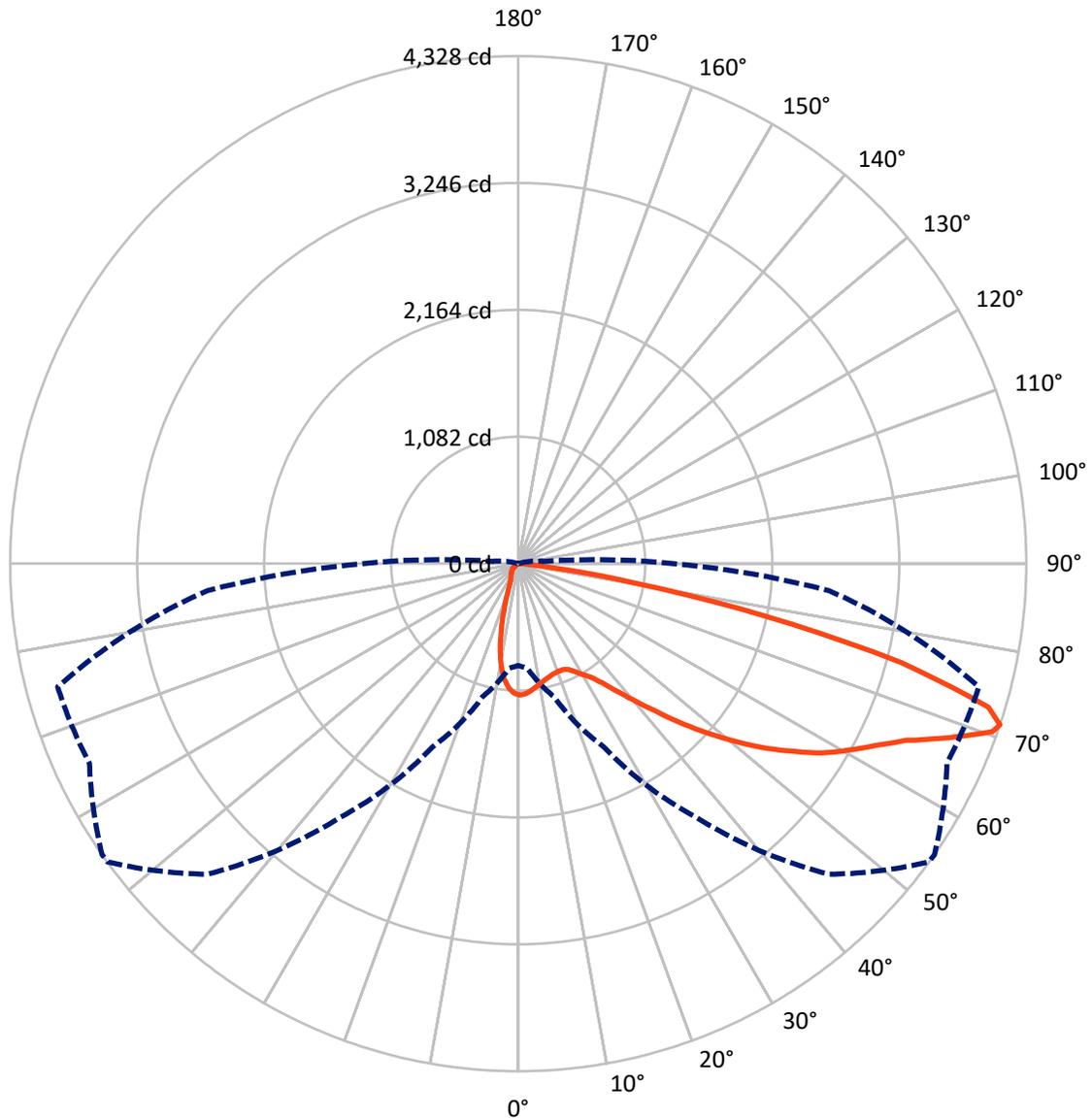
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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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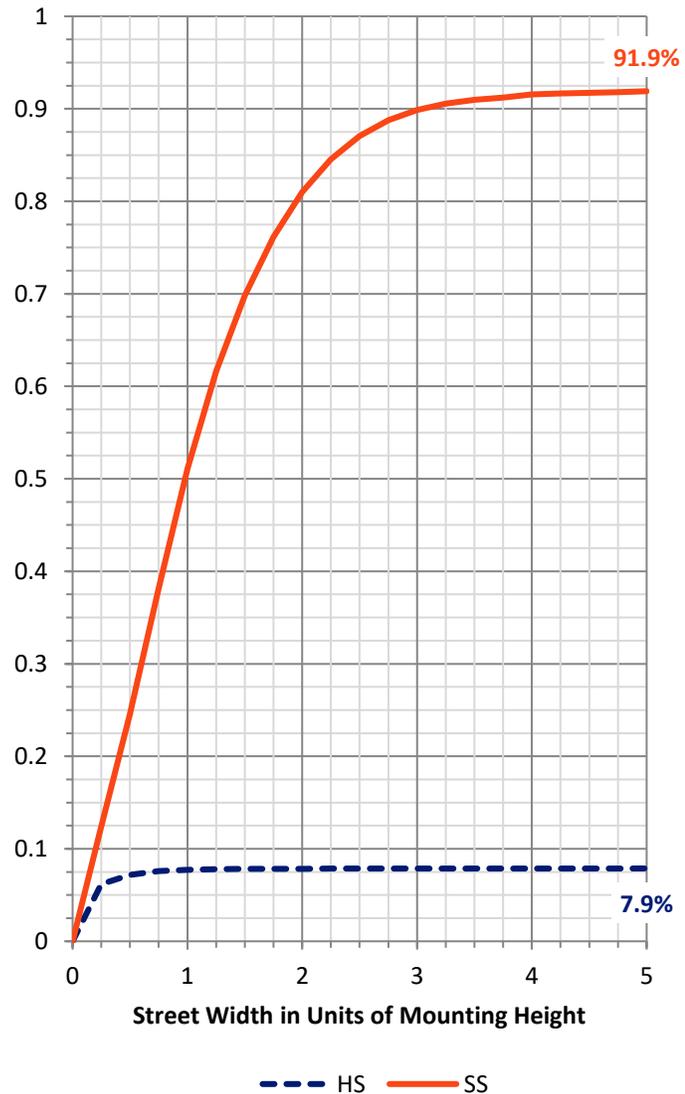
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	459.9	0.0	459.9
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	5349.1	0.0	5349.1
	% Fixture	92.1	0.0	92.1
Total	Lumens	5809.0	0.0	5809.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	1.6
10°-20°	215.6	3.7
20°-30°	346.5	6.0
30°-40°	588.8	10.1
40°-50°	913.9	15.7
50°-60°	1228.7	21.2
60°-70°	1503.1	25.9
70°-80°	878.8	15.1
80°-90°	38.0	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°	5809.0	100.0
0°-180°	5809.0	100.0



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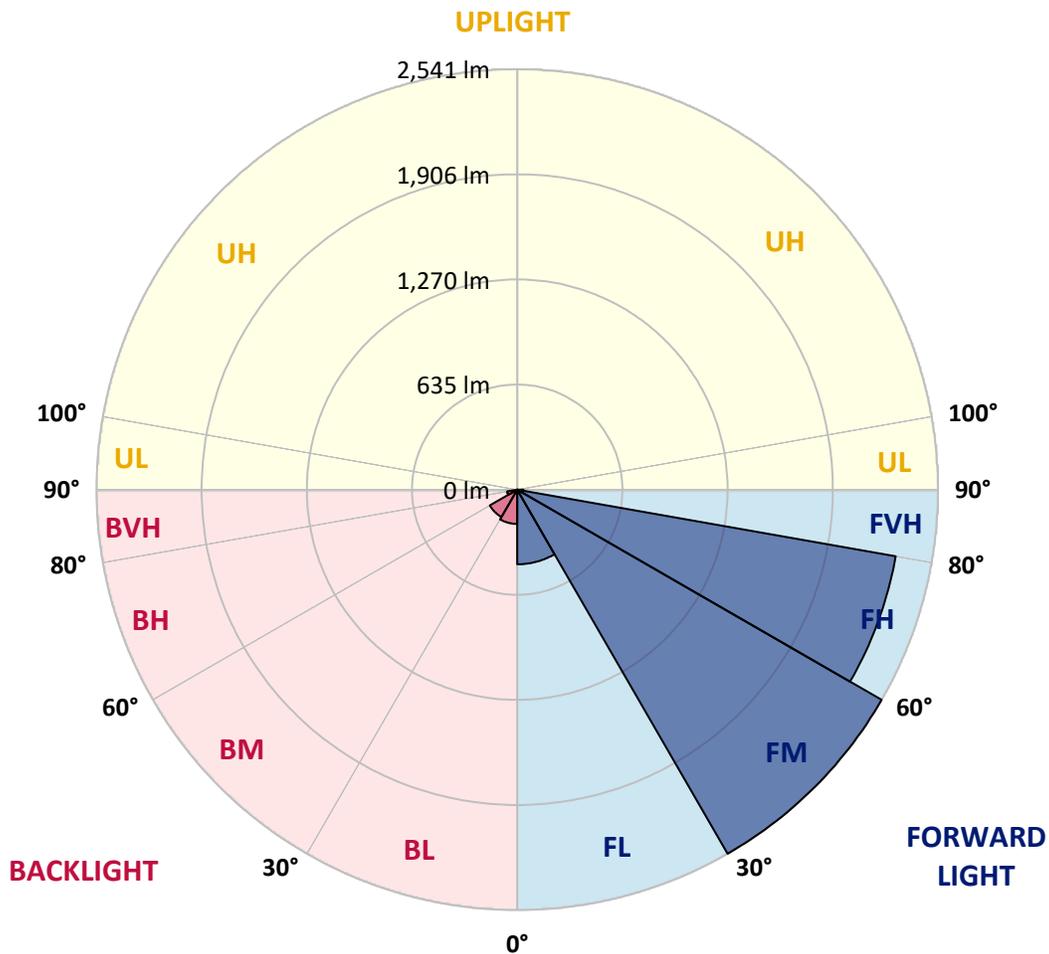
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.7	7.8			
FM	(30°-60°)	2540.7	43.7			
FH	(60°-80°)	2320.3	39.9			G2/5000
FVH	(80°-90°)	37.4	0.6			G1/100
BL	(0°-30°)	207.0	3.6	B1/500		
BM	(30°-60°)	190.7	3.3	B0/220		
BH	(60°-80°)	61.6	1.1	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3
2.5°	1087.4	1088.7	1093.4	1095.5	1100.5	1108.8	1113.0	1113.2	1120.0	1122.6	1124.7
5°	1010.5	1018.3	1026.1	1034.5	1049.6	1069.7	1089.5	1091.3	1113.2	1129.4	1138.0
7.5°	944.2	951.3	960.7	974.0	995.3	1026.9	1060.0	1063.9	1105.4	1142.2	1161.5
10°	876.1	881.9	895.4	915.0	944.5	986.7	1031.3	1037.9	1098.4	1159.4	1193.3
12.5°	803.4	806.8	823.2	851.4	894.7	948.4	1007.1	1015.7	1093.9	1179.2	1230.9
15°	748.1	749.6	765.3	794.5	844.1	914.0	988.3	998.7	1095.0	1203.0	1271.8
17.5°	734.0	734.8	743.1	763.2	807.0	883.2	973.4	986.2	1098.1	1226.2	1313.0
20°	791.1	785.6	777.0	773.9	792.7	864.7	964.6	978.9	1102.3	1246.8	1350.1
22.5°	947.9	931.7	896.0	848.2	819.3	866.0	966.9	981.3	1115.6	1272.1	1392.9
25°	1180.5	1158.1	1097.3	1003.4	913.2	903.5	986.5	1001.1	1141.4	1302.3	1433.8
27.5°	1445.3	1423.1	1348.8	1214.7	1060.8	977.9	1031.3	1044.9	1179.8	1329.2	1465.1
30°	1698.8	1692.6	1604.9	1452.6	1246.5	1098.4	1089.2	1100.7	1208.2	1345.4	1489.9
32.5°	1913.7	1903.8	1833.4	1685.3	1459.1	1243.1	1157.3	1160.7	1229.6	1366.3	1522.2
35°	2113.0	2100.8	2038.9	1898.9	1677.2	1420.0	1262.2	1257.2	1276.3	1408.2	1569.2
37.5°	2287.0	2298.2	2229.6	2096.3	1872.8	1603.9	1403.6	1388.7	1349.3	1476.6	1637.3
40°	2432.5	2432.5	2396.8	2285.7	2084.1	1794.0	1563.4	1543.9	1459.1	1582.0	1723.6
42.5°	2485.0	2496.2	2509.5	2446.6	2273.2	1991.7	1741.6	1721.3	1613.8	1731.4	1832.6
45°	2488.1	2505.8	2573.9	2573.7	2444.0	2188.1	1942.4	1932.8	1812.0	1923.4	1967.7
47.5°	2444.0	2466.2	2578.4	2642.0	2579.4	2371.0	2162.1	2150.1	2044.9	2158.7	2109.1
50°	2375.9	2400.5	2530.9	2668.9	2671.5	2530.1	2393.4	2375.4	2301.3	2427.6	2255.2
52.5°	2254.1	2301.6	2488.4	2675.1	2732.0	2667.6	2613.6	2605.7	2588.3	2686.6	2371.5
55°	1993.6	2046.3	2381.7	2677.2	2788.1	2789.4	2819.9	2822.0	2857.2	2928.7	2458.1
57.5°	1870.4	1900.2	2195.4	2687.1	2871.3	2927.6	3030.1	3046.3	3100.8	3158.5	2557.0
60°	1793.0	1828.2	2103.6	2673.6	3002.0	3108.9	3225.0	3230.4	3288.9	3395.6	2690.8
62.5°	1731.2	1765.9	2045.7	2621.4	3148.8	3327.0	3415.4	3415.9	3459.7	3678.0	2842.8
65°	1578.6	1607.8	1928.6	2562.7	3245.8	3542.7	3636.6	3633.2	3668.9	3975.9	3019.4
67.5°	1357.9	1380.3	1689.4	2340.2	3209.3	3738.8	3970.4	3959.2	3915.9	4233.4	3088.8
70°	1049.9	1057.9	1331.6	1950.3	2867.1	3814.2	4293.1	4287.3	4067.5	4187.2	2834.5
71°	867.8	894.4	1173.5	1721.3	2637.8	3744.5	4324.4	4327.8	4029.4	4061.5	2659.5
72.5°	503.9	526.6	850.6	1321.9	2239.5	3454.0	4162.1	4186.7	3851.5	3694.2	2271.6
75°	108.0	115.5	315.3	639.8	1231.9	2420.8	3285.2	3372.6	3139.1	2513.1	1369.1
77.5°	75.1	81.1	135.1	290.3	407.2	1196.2	2040.8	2139.4	1875.4	944.5	438.2
80°	59.5	66.3	105.4	143.5	110.1	385.8	956.0	1016.2	625.5	210.8	73.8
82.5°	33.1	39.4	82.2	77.5	42.3	73.3	267.6	302.6	125.2	42.5	17.5
85°	9.7	11.7	52.9	56.3	18.0	14.1	45.6	56.6	23.7	11.2	7.8
87.5°	0.0	0.0	25.6	21.6	5.2	2.1	4.2	4.7	4.7	4.7	5.2
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°	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3
2.5°	1124.7	1126.5	1120.0	1111.4	1102.3	1091.1	1079.3	1070.2	1069.9	1065.5	1061.1
5°	1138.5	1137.5	1119.5	1092.1	1059.8	1026.1	994.0	957.8	945.8	930.9	926.0
7.5°	1164.1	1156.8	1118.7	1058.7	987.8	917.4	844.6	771.3	740.0	711.8	706.9
10°	1196.2	1182.4	1113.8	1008.6	878.5	748.6	638.8	539.1	495.3	461.7	460.1
12.5°	1229.6	1208.4	1099.9	933.0	735.3	552.7	426.2	328.1	291.6	268.1	270.2
15°	1264.5	1233.0	1070.2	831.0	572.3	375.1	261.9	204.2	189.6	183.6	185.2
17.5°	1300.3	1249.9	1028.7	708.2	411.3	242.1	181.3	165.1	165.1	166.4	166.9
20°	1331.3	1259.1	967.7	570.4	278.8	176.3	158.6	156.2	157.5	159.6	159.9
22.5°	1362.1	1259.6	888.1	430.9	195.1	154.4	151.0	150.0	150.8	153.1	153.4
25°	1387.1	1253.3	788.5	306.5	155.7	145.5	144.0	143.5	144.0	146.9	146.9
27.5°	1397.3	1230.6	667.0	215.4	139.5	135.6	135.1	135.6	136.4	138.5	138.8
30°	1398.3	1191.0	534.5	156.0	126.5	122.3	123.4	125.2	124.4	123.9	124.4
32.5°	1400.9	1145.1	405.3	128.3	115.5	109.0	107.7	107.7	104.6	102.8	101.7
35°	1409.6	1091.1	294.0	115.3	104.3	96.8	91.8	86.1	80.1	76.9	76.2
37.5°	1423.1	1034.5	210.5	106.7	94.4	85.8	76.4	66.3	57.6	55.3	55.3
40°	1447.9	976.0	155.7	99.9	86.6	75.9	61.8	48.5	40.7	39.4	39.4
42.5°	1487.0	914.5	124.2	93.9	79.8	65.7	47.2	35.2	29.5	28.7	28.4
45°	1527.7	846.7	108.5	88.2	72.5	54.0	35.0	26.1	22.7	21.9	21.9
47.5°	1568.4	774.4	100.9	82.7	65.5	42.0	26.1	20.6	19.0	19.0	19.3
50°	1602.8	699.0	95.5	76.7	56.3	31.8	20.6	17.5	17.0	18.0	18.3
52.5°	1611.4	625.0	88.7	69.1	45.1	24.3	17.0	15.4	15.4	15.4	15.4
55°	1606.2	567.6	79.8	59.7	33.4	19.3	14.6	13.6	13.3	13.3	13.3
57.5°	1624.0	533.7	63.9	46.4	24.0	15.7	12.8	12.0	11.5	11.2	11.2
60°	1659.7	511.5	45.6	33.4	18.0	13.0	11.0	10.2	9.4	8.9	8.9
62.5°	1707.2	492.2	33.9	24.8	13.8	10.4	9.1	8.3	7.3	6.8	6.8
65°	1743.7	457.8	25.8	18.5	10.4	8.3	7.0	6.8	5.2	4.7	4.4
67.5°	1687.9	382.1	20.9	13.6	7.8	6.5	5.5	5.2	3.1	2.6	2.6
70°	1447.6	266.1	16.7	9.9	5.7	5.2	4.4	3.4	2.3	2.1	2.1
71°	1312.8	222.2	15.1	8.3	5.0	5.0	4.2	2.9	2.1	1.8	1.8
72.5°	1090.6	157.8	12.8	6.5	4.4	5.2	4.4	2.6	2.1	1.8	1.6
75°	633.0	66.0	8.9	4.4	3.4	6.3	5.7	2.3	1.6	1.3	1.3
77.5°	190.4	24.3	5.0	2.9	2.6	5.5	6.5	2.1	0.8	0.3	0.3
80°	34.7	10.4	3.1	1.8	1.8	3.4	5.0	1.0	0.0	0.0	0.0
82.5°	12.3	5.2	1.8	1.0	0.8	1.6	2.3	0.0	0.0	0.0	0.0
85°	7.0	3.7	1.0	0.5	0.0	0.3	0.5	0.0	0.0	0.0	0.0
87.5°	4.7	1.0	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)