

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: P1207869

Luminaire Tested: UPW-SA1-030-740-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207869
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-SA1-030-740-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

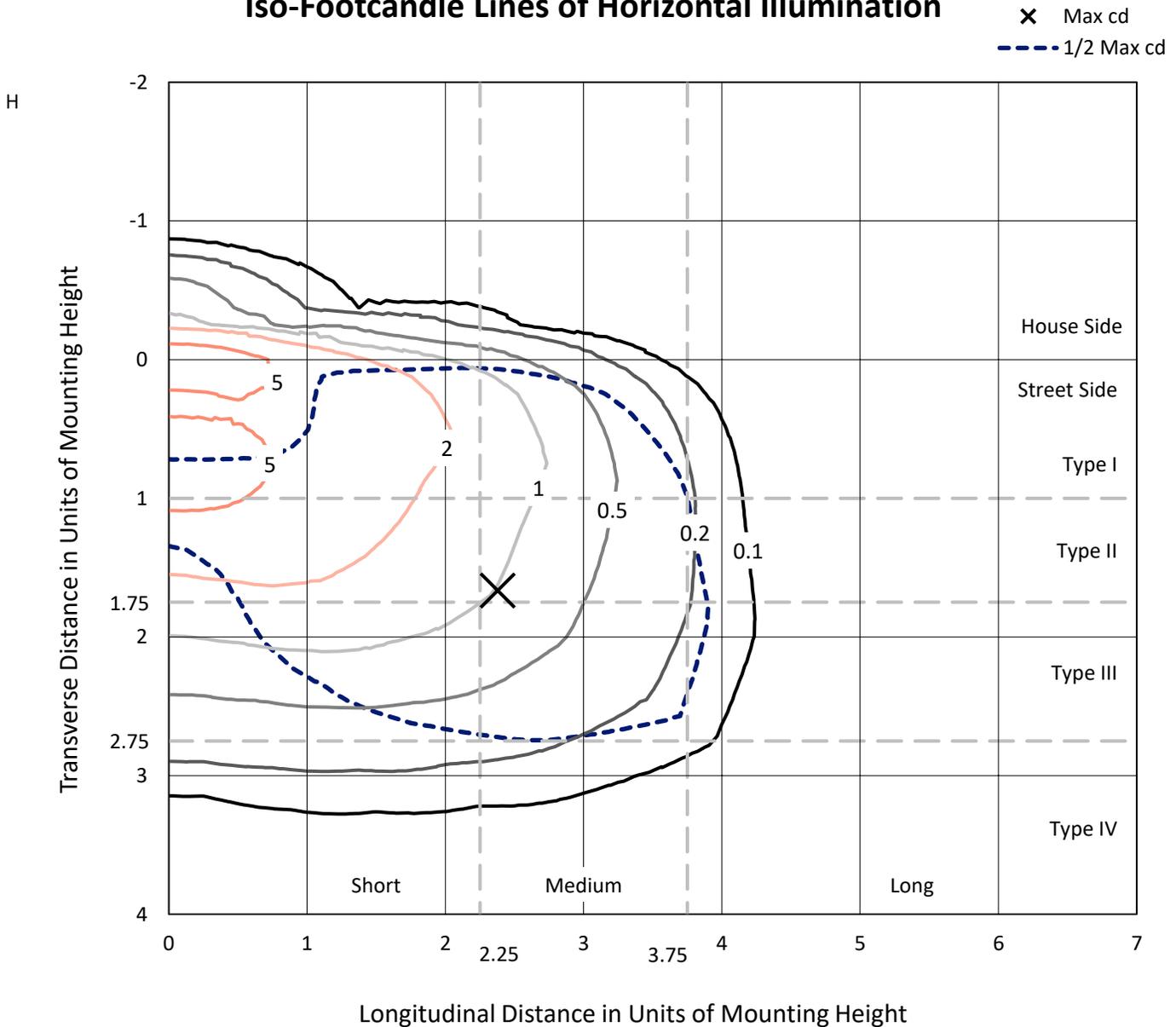
Lumens per Lamp: N/A
Luminaire Lumens: 3828 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
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

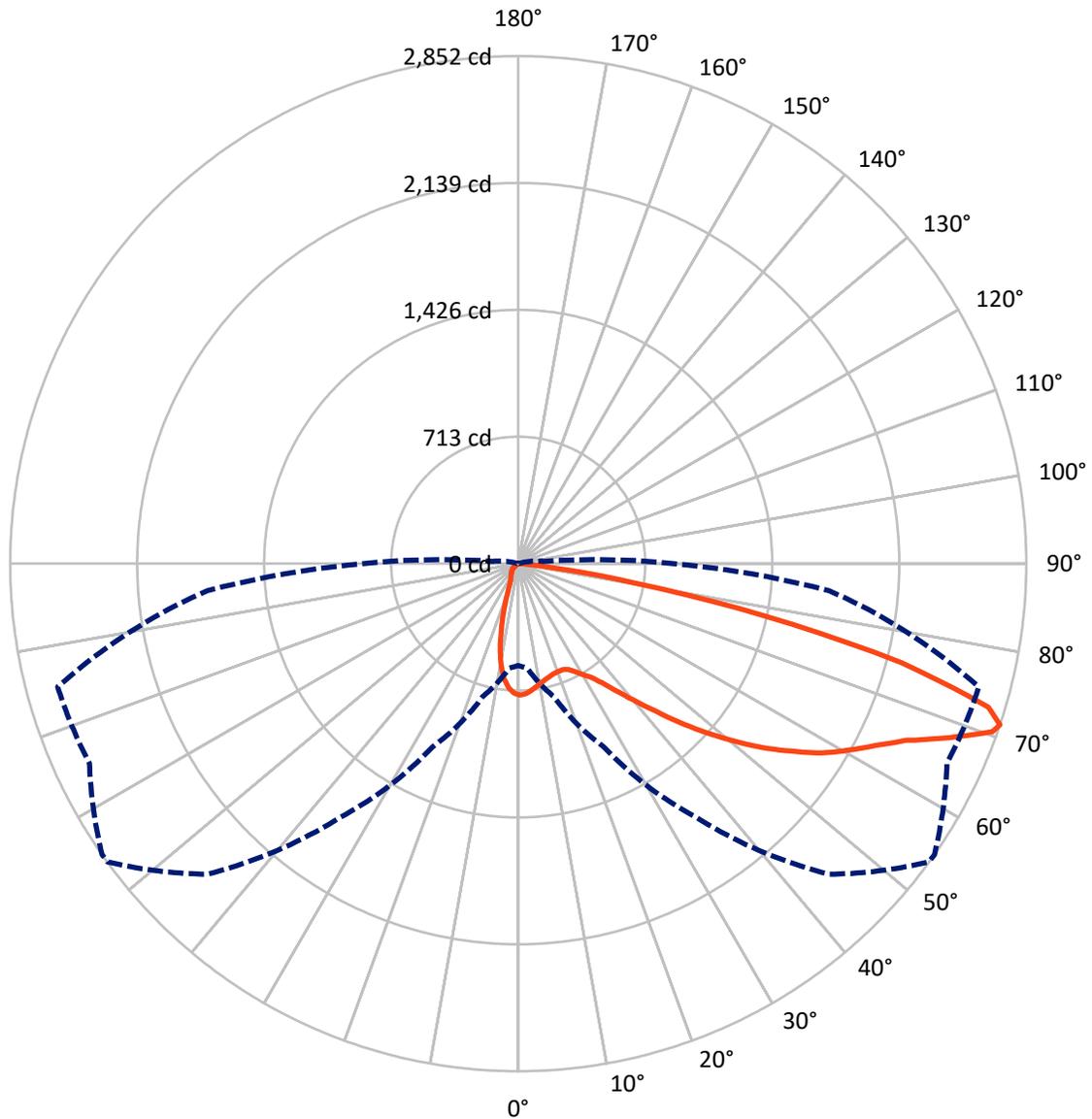


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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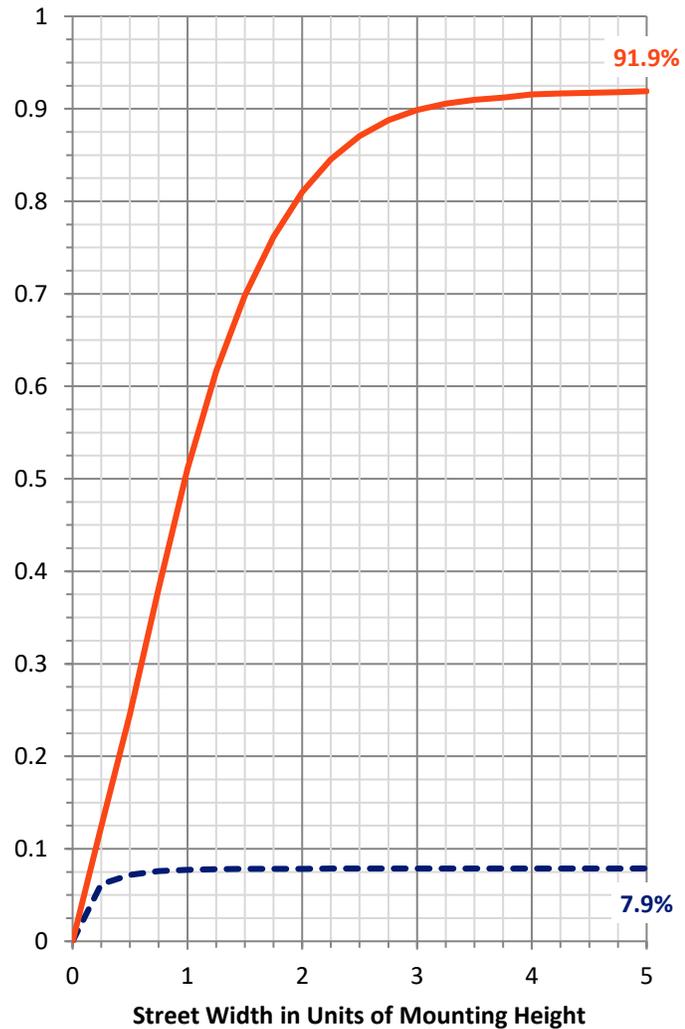
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	303.1	0.0	303.1
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	3524.9	0.0	3524.9
	% Fixture	92.1	0.0	92.1
Total	Lumens	3828.0	0.0	3828.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.6
10°-20°	142.1	3.7
20°-30°	228.4	6.0
30°-40°	388.0	10.1
40°-50°	602.2	15.7
50°-60°	809.7	21.2
60°-70°	990.5	25.9
70°-80°	579.1	15.1
80°-90°	25.0	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°	3828.0	100.0
0°-180°	3828.0	100.0



--- HS — SS

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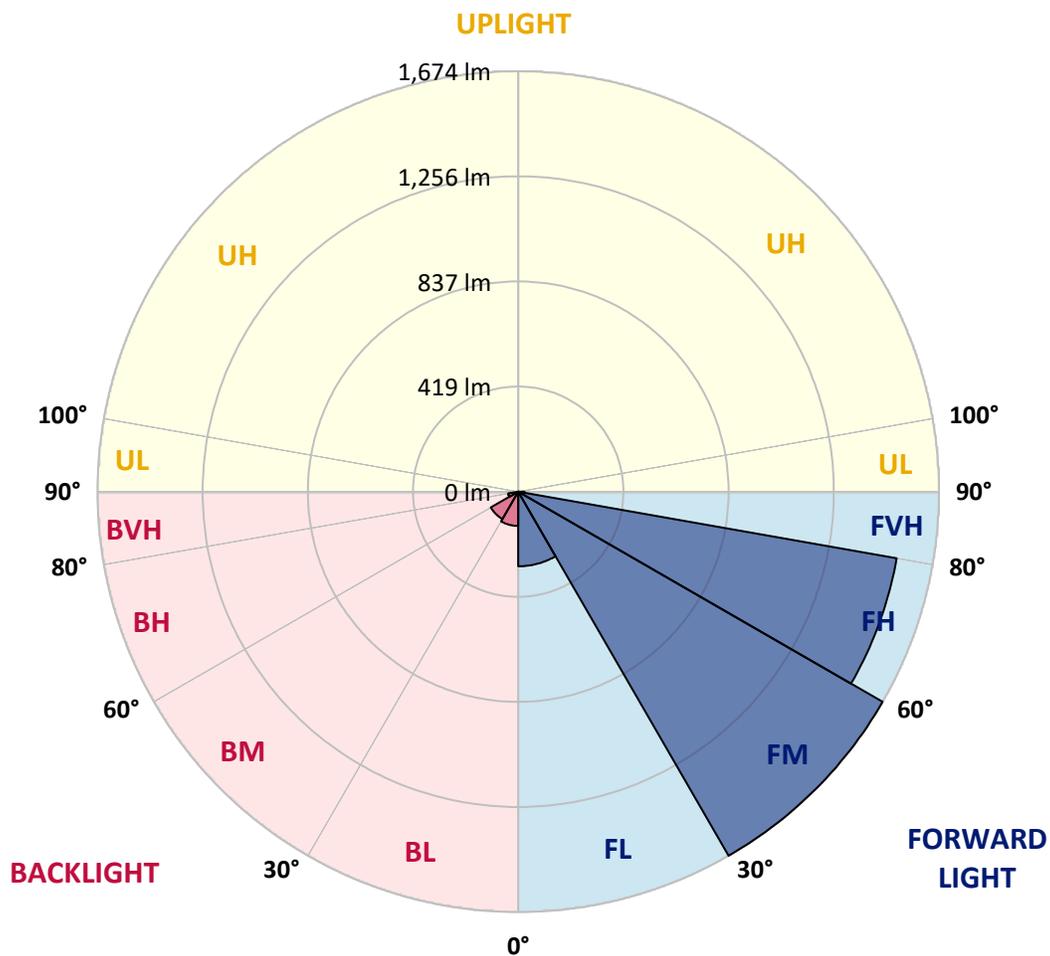
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.0	7.8			
FM	(30°-60°)	1674.3	43.7			
FH	(60°-80°)	1529.0	39.9			G1/1800
FVH	(80°-90°)	24.6	0.6			G1/100
BL	(0°-30°)	136.4	3.6	B1/500		
BM	(30°-60°)	125.7	3.3	B0/220		
BH	(60°-80°)	40.6	1.1	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2
2.5°	716.6	717.4	720.5	721.9	725.2	730.7	733.4	733.6	738.1	739.8	741.2
5°	665.9	671.0	676.2	681.7	691.7	704.9	718.0	719.2	733.6	744.3	749.9
7.5°	622.2	626.9	633.1	641.8	655.9	676.7	698.5	701.1	728.4	752.7	765.4
10°	577.4	581.1	590.1	603.0	622.4	650.2	679.6	683.9	723.8	764.0	786.4
12.5°	529.4	531.6	542.5	561.0	589.6	625.0	663.6	669.3	720.9	777.1	811.1
15°	493.0	494.0	504.3	523.6	556.2	602.3	651.3	658.1	721.6	792.7	838.1
17.5°	483.7	484.2	489.7	502.9	531.8	582.0	641.5	649.9	723.6	808.0	865.3
20°	521.3	517.7	512.0	510.0	522.4	569.8	635.6	645.1	726.4	821.6	889.7
22.5°	624.6	614.0	590.4	559.0	539.9	570.7	637.2	646.6	735.1	838.3	917.9
25°	777.9	763.2	723.1	661.2	601.8	595.4	650.1	659.7	752.2	858.2	944.8
27.5°	952.4	937.8	888.8	800.5	699.1	644.4	679.6	688.6	777.4	875.9	965.5
30°	1119.5	1115.4	1057.6	957.2	821.4	723.8	717.8	725.4	796.2	886.6	981.8
32.5°	1261.1	1254.6	1208.2	1110.5	961.5	819.2	762.7	764.9	810.3	900.3	1003.1
35°	1392.4	1384.4	1343.6	1251.3	1105.2	935.7	831.7	828.5	841.0	928.0	1034.1
37.5°	1507.1	1514.5	1469.3	1381.4	1234.1	1056.9	924.9	915.1	889.2	973.0	1078.9
40°	1603.0	1603.0	1579.4	1506.2	1373.4	1182.2	1030.3	1017.4	961.5	1042.5	1135.8
42.5°	1637.5	1644.9	1653.7	1612.3	1498.0	1312.5	1147.7	1134.3	1063.4	1141.0	1207.7
45°	1639.6	1651.3	1696.2	1696.0	1610.6	1441.9	1280.0	1273.7	1194.1	1267.5	1296.7
47.5°	1610.6	1625.2	1699.1	1741.0	1699.8	1562.4	1424.7	1416.8	1347.6	1422.5	1389.9
50°	1565.7	1581.9	1667.8	1758.7	1760.4	1667.3	1577.2	1565.4	1516.5	1599.7	1486.1
52.5°	1485.4	1516.7	1639.8	1762.8	1800.3	1757.9	1722.3	1717.1	1705.6	1770.4	1562.8
55°	1313.7	1348.4	1569.5	1764.2	1837.3	1838.1	1858.2	1859.6	1882.8	1929.9	1619.8
57.5°	1232.6	1252.2	1446.8	1770.8	1892.1	1929.2	1996.8	2007.4	2043.4	2081.3	1685.0
60°	1181.5	1204.7	1386.2	1761.8	1978.2	2048.7	2125.2	2128.8	2167.3	2237.6	1773.2
62.5°	1140.8	1163.7	1348.1	1727.4	2075.0	2192.4	2250.7	2251.0	2279.9	2423.7	1873.4
65°	1040.2	1059.5	1270.9	1688.8	2138.9	2334.5	2396.4	2394.2	2417.7	2620.0	1989.7
67.5°	894.8	909.6	1113.3	1542.1	2114.9	2463.8	2616.4	2609.0	2580.5	2789.7	2035.5
70°	691.8	697.2	877.5	1285.2	1889.4	2513.5	2829.0	2825.3	2680.4	2759.3	1867.9
71°	571.9	589.4	773.3	1134.3	1738.3	2467.6	2849.7	2851.9	2655.3	2676.4	1752.5
72.5°	332.1	347.0	560.5	871.1	1475.8	2276.1	2742.8	2758.9	2538.0	2434.4	1496.9
75°	71.2	76.1	207.8	421.6	811.8	1595.3	2164.9	2222.5	2068.6	1656.1	902.2
77.5°	49.5	53.5	89.0	191.3	268.3	788.3	1344.8	1409.8	1235.8	622.4	288.8
80°	39.2	43.7	69.4	94.5	72.5	254.2	630.0	669.7	412.2	138.9	48.6
82.5°	21.8	26.0	54.1	51.0	27.8	48.3	176.4	199.4	82.5	28.0	11.5
85°	6.4	7.7	34.9	37.1	11.9	9.3	30.1	37.3	15.6	7.4	5.2
87.5°	0.0	0.0	16.8	14.3	3.4	1.4	2.8	3.1	3.1	3.1	3.4
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°	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2
2.5°	741.2	742.4	738.1	732.4	726.4	719.0	711.3	705.2	705.1	702.1	699.2
5°	750.3	749.6	737.7	719.7	698.4	676.2	655.1	631.2	623.3	613.5	610.2
7.5°	767.1	762.3	737.2	697.7	650.9	604.5	556.6	508.3	487.6	469.1	465.8
10°	788.3	779.2	733.9	664.7	578.9	493.3	420.9	355.3	326.4	304.2	303.2
12.5°	810.3	796.3	724.8	614.8	484.5	364.2	280.9	216.2	192.2	176.7	178.1
15°	833.3	812.5	705.2	547.6	377.1	247.2	172.6	134.6	125.0	121.0	122.0
17.5°	856.8	823.7	677.9	466.7	271.1	159.5	119.5	108.8	108.8	109.7	110.0
20°	877.3	829.7	637.7	375.9	183.7	116.2	104.5	103.0	103.8	105.2	105.4
22.5°	897.6	830.0	585.3	284.0	128.6	101.8	99.5	98.8	99.3	100.9	101.1
25°	914.1	825.9	519.6	202.0	102.6	95.9	94.9	94.5	94.9	96.8	96.8
27.5°	920.8	811.0	439.5	142.0	92.0	89.4	89.0	89.4	89.9	91.3	91.4
30°	921.5	784.8	352.2	102.8	83.4	80.6	81.3	82.5	82.0	81.6	82.0
32.5°	923.2	754.6	267.1	84.6	76.1	71.8	71.0	71.0	68.9	67.7	67.0
35°	928.9	719.0	193.7	76.0	68.8	63.8	60.5	56.7	52.8	50.7	50.2
37.5°	937.8	681.7	138.7	70.3	62.2	56.5	50.4	43.7	38.0	36.4	36.4
40°	954.1	643.2	102.6	65.8	57.1	50.0	40.7	32.0	26.8	26.0	26.0
42.5°	979.9	602.6	81.8	61.9	52.6	43.3	31.1	23.2	19.4	18.9	18.7
45°	1006.7	557.9	71.5	58.1	47.8	35.6	23.0	17.2	15.0	14.4	14.4
47.5°	1033.5	510.3	66.5	54.5	43.1	27.7	17.2	13.6	12.5	12.5	12.7
50°	1056.2	460.7	62.9	50.5	37.1	21.0	13.6	11.5	11.2	11.9	12.0
52.5°	1061.9	411.8	58.4	45.5	29.7	16.0	11.2	10.1	10.1	10.1	10.1
55°	1058.5	374.0	52.6	39.4	22.0	12.7	9.6	8.9	8.8	8.8	8.8
57.5°	1070.2	351.7	42.1	30.6	15.8	10.3	8.4	7.9	7.6	7.4	7.4
60°	1093.7	337.1	30.1	22.0	11.9	8.6	7.2	6.7	6.2	5.8	5.8
62.5°	1125.0	324.3	22.3	16.3	9.1	6.9	6.0	5.5	4.8	4.5	4.5
65°	1149.0	301.7	17.0	12.2	6.9	5.5	4.6	4.5	3.4	3.1	2.9
67.5°	1112.3	251.8	13.8	8.9	5.2	4.3	3.6	3.4	2.1	1.7	1.7
70°	954.0	175.3	11.0	6.5	3.8	3.4	2.9	2.2	1.5	1.4	1.4
71°	865.1	146.4	10.0	5.5	3.3	3.3	2.8	1.9	1.4	1.2	1.2
72.5°	718.6	104.0	8.4	4.3	2.9	3.4	2.9	1.7	1.4	1.2	1.0
75°	417.2	43.5	5.8	2.9	2.2	4.1	3.8	1.5	1.0	0.9	0.9
77.5°	125.5	16.0	3.3	1.9	1.7	3.6	4.3	1.4	0.5	0.2	0.2
80°	22.9	6.9	2.1	1.2	1.2	2.2	3.3	0.7	0.0	0.0	0.0
82.5°	8.1	3.4	1.2	0.7	0.5	1.0	1.5	0.0	0.0	0.0	0.0
85°	4.6	2.4	0.7	0.3	0.0	0.2	0.3	0.0	0.0	0.0	0.0
87.5°	3.1	0.7	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)