

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: P1208919

Luminaire Tested: UPW-SA2-070-827-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-827-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7449 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
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

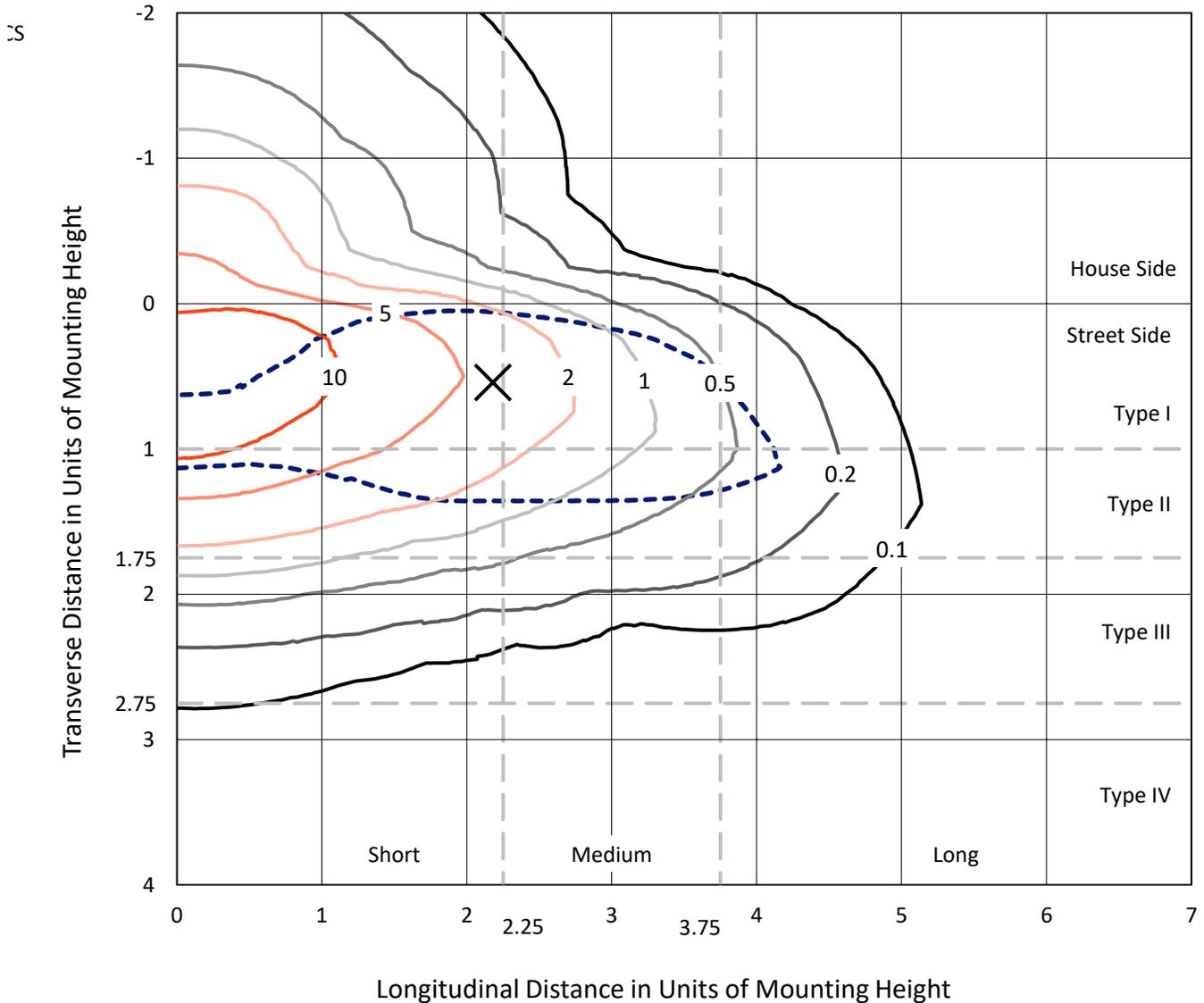


REPORT NUMBER: P1208919

CATALOG NUMBER: UPW-SA2-070-827-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

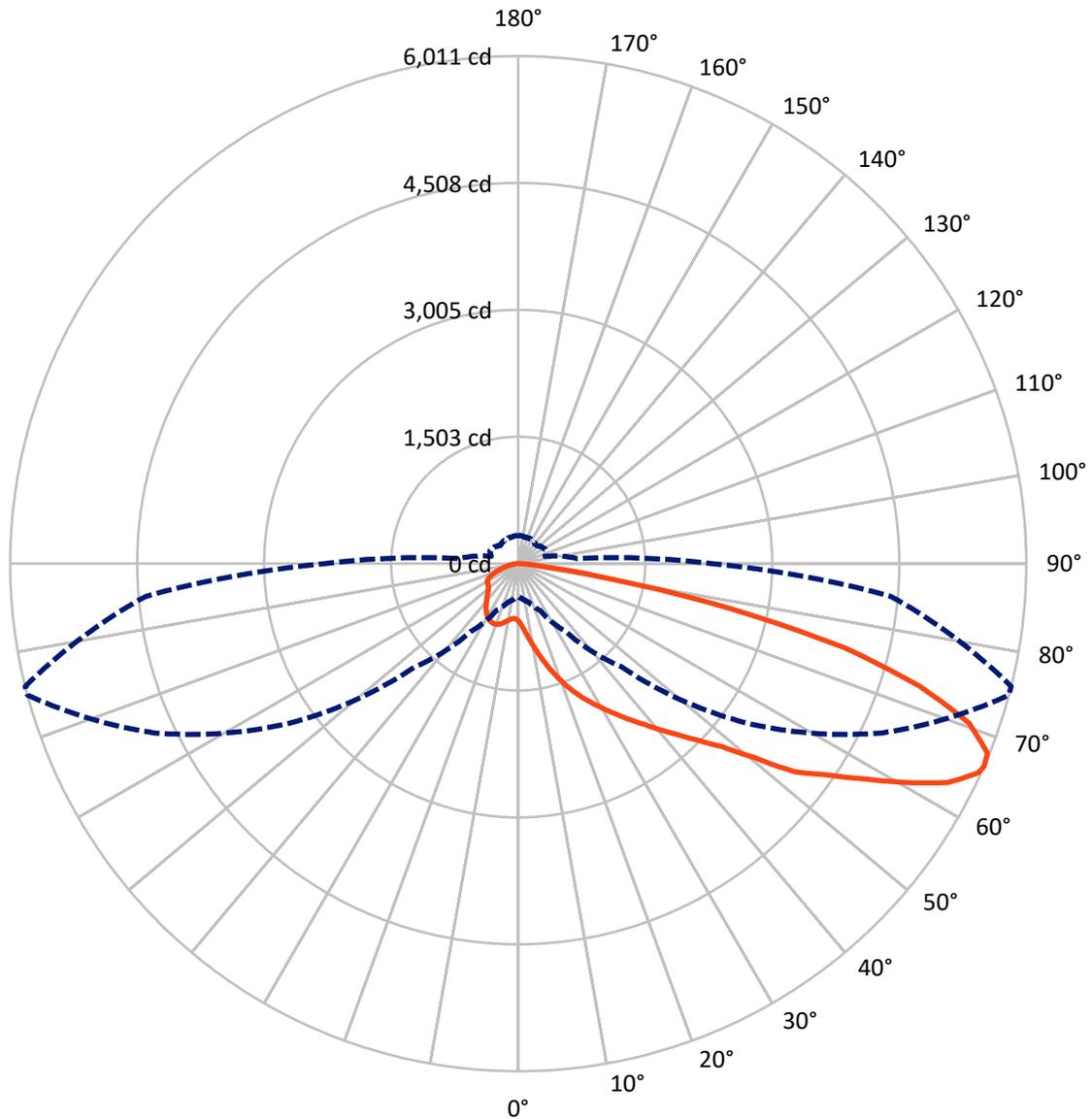


Based on 10 foot mounting height. Maximum calculated value = 18 fc
 Type II - Short - N/A

REPORT NUMBER: P1208919

CATALOG NUMBER: UPW-SA2-070-827-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P1208919

CATALOG NUMBER: UPW-SA2-070-827-U-T2R

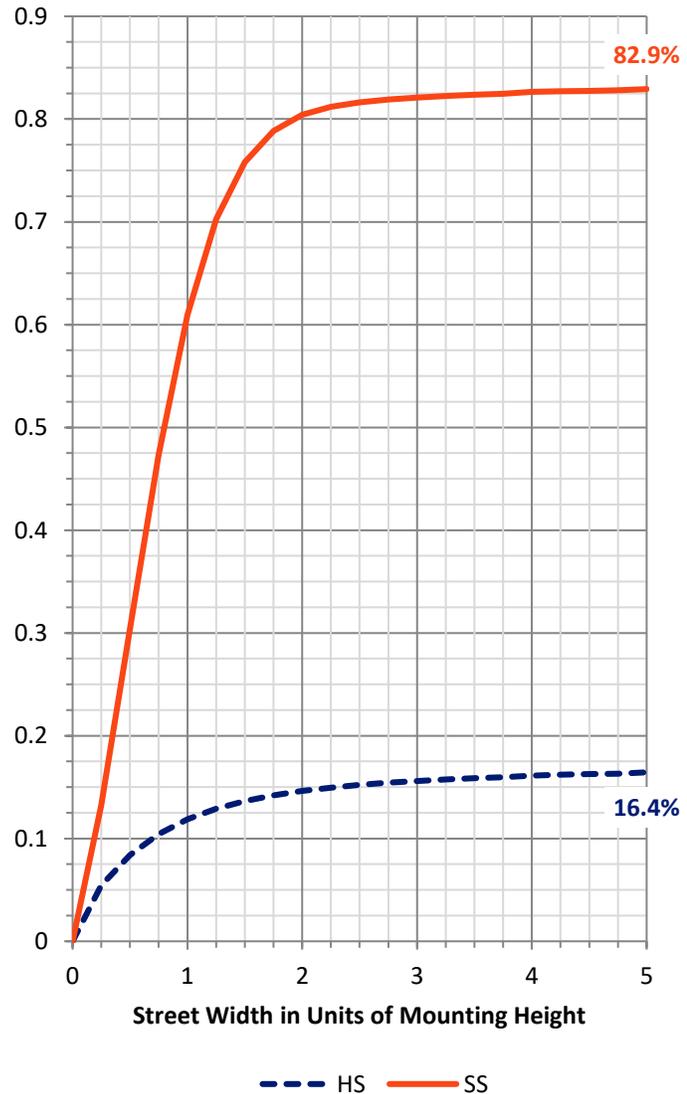
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1253.4	0.0	1253.4
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	6195.6	0.0	6195.6
	% Fixture	83.2	0.0	83.2
Total	Lumens	7449.0	0.0	7449.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	1.1
10°-20°	324.8	4.4
20°-30°	631.3	8.5
30°-40°	1030.4	13.8
40°-50°	1407.7	18.9
50°-60°	1639.7	22.0
60°-70°	1470.0	19.7
70°-80°	742.9	10.0
80°-90°	120.0	1.6
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°	7449.0	100.0
0°-180°	7449.0	100.0



REPORT NUMBER: P1208919

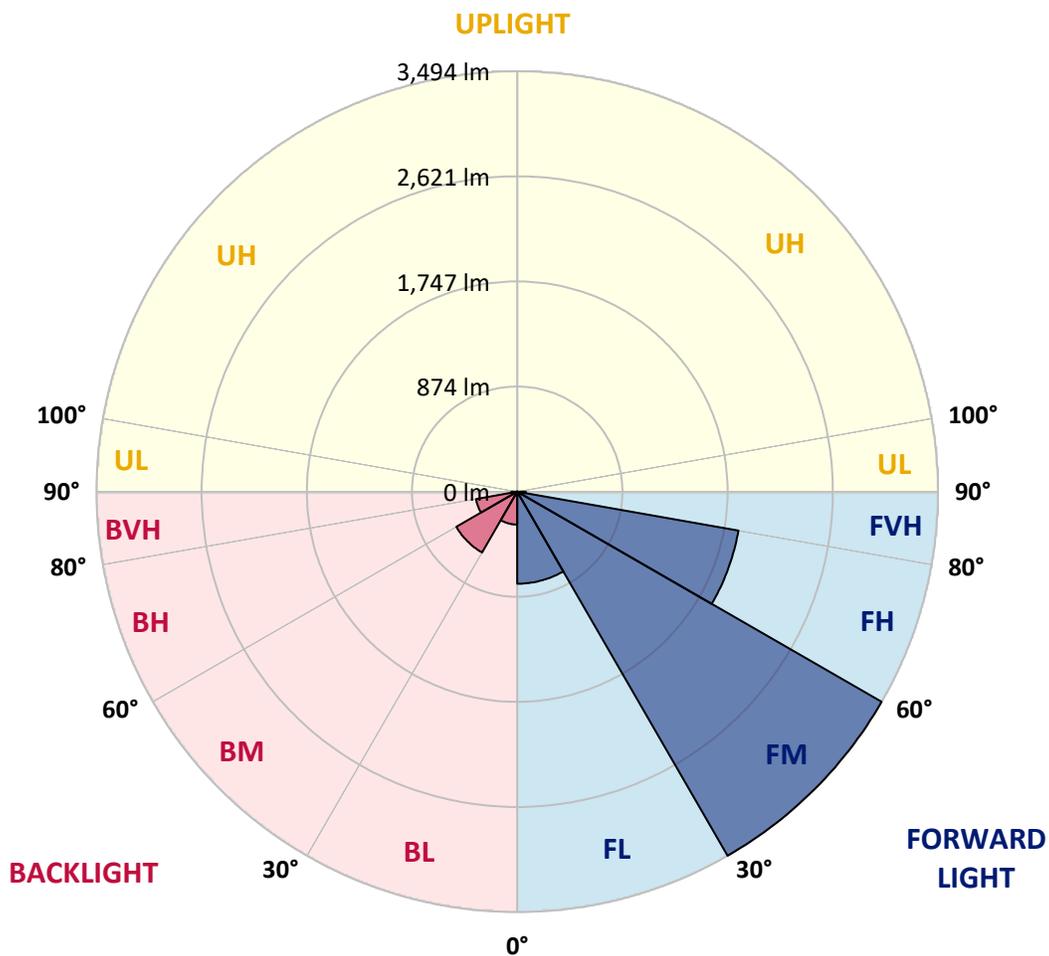
CATALOG NUMBER: UPW-SA2-070-827-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	765.0	10.3			
FM	(30°-60°)	3494.1	46.9			
FH	(60°-80°)	1865.7	25.0			G2/5000
FVH	(80°-90°)	70.9	1.0			G1/100
BL	(0°-30°)	273.4	3.7	B1/500		
BM	(30°-60°)	583.7	7.8	B1/1000		
BH	(60°-80°)	347.2	4.7	B1/500		G1/500
BVH	(80°-90°)	49.1	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P1208919

CATALOG NUMBER: UPW-SA2-070-827-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3
2.5°	903.1	889.4	888.1	868.2	863.6	825.4	797.3	768.0	734.6	728.1	701.8
5°	1160.0	1158.7	1141.3	1108.6	1083.1	1017.9	953.4	885.1	810.2	798.1	738.9
7.5°	1391.1	1389.1	1375.7	1340.5	1303.6	1223.5	1131.4	1026.7	905.3	887.4	789.3
10°	1566.6	1565.9	1561.3	1535.5	1504.2	1427.3	1325.6	1182.7	1015.8	991.3	852.2
12.5°	1702.2	1703.7	1706.7	1697.6	1682.7	1617.2	1513.0	1348.1	1133.7	1109.4	922.3
15°	1794.0	1798.5	1814.2	1827.1	1834.9	1794.7	1693.8	1517.3	1265.7	1236.6	999.9
17.5°	1840.2	1845.3	1872.4	1911.3	1947.2	1943.2	1863.0	1678.7	1392.4	1364.3	1083.4
20°	1880.2	1884.0	1914.3	1961.1	2024.6	2052.7	2007.7	1833.9	1531.2	1497.8	1171.9
22.5°	1996.0	2000.8	2009.9	2036.5	2092.6	2144.2	2122.5	1980.9	1658.4	1627.3	1255.8
25°	2219.6	2225.4	2205.7	2183.2	2193.8	2229.7	2233.7	2114.9	1787.4	1752.2	1346.1
27.5°	2488.9	2497.2	2463.6	2405.7	2355.1	2341.2	2336.4	2224.6	1910.5	1869.8	1435.4
30°	2752.7	2767.1	2723.3	2648.2	2555.4	2490.2	2441.9	2332.1	2031.9	1993.0	1519.6
32.5°	3010.3	3004.5	2941.1	2867.7	2759.0	2677.3	2560.5	2447.4	2168.5	2123.7	1603.3
35°	3186.9	3188.9	3130.0	3043.0	2939.3	2876.6	2719.3	2571.8	2307.8	2266.6	1698.4
37.5°	3337.1	3327.7	3261.0	3179.8	3090.5	3063.7	2905.1	2708.9	2458.8	2413.8	1799.5
40°	3387.1	3376.3	3332.5	3274.1	3202.5	3200.3	3110.2	2864.2	2629.5	2585.0	1913.6
42.5°	3356.8	3342.9	3324.9	3309.0	3287.0	3297.1	3302.9	3046.3	2817.1	2767.3	2045.6
45°	3244.8	3223.8	3236.4	3271.1	3318.9	3376.0	3476.9	3247.8	3027.3	2985.6	2200.6
47.5°	3072.6	3053.6	3093.0	3167.1	3297.1	3441.8	3641.5	3470.3	3278.2	3236.7	2421.4
50°	2830.3	2835.9	2892.3	3027.0	3223.5	3472.1	3844.4	3765.0	3642.8	3604.1	2722.6
52.5°	2432.8	2433.8	2592.6	2813.9	3093.0	3456.4	3956.9	4141.5	4140.7	4094.0	3009.3
55°	2063.5	2086.1	2211.7	2505.8	2881.6	3393.7	4035.5	4324.6	4467.7	4412.9	3276.6
57.5°	1702.9	1716.1	1835.2	2130.6	2579.9	3226.6	4116.2	4544.4	4844.5	4809.9	3608.9
60°	1292.8	1313.0	1436.1	1709.0	2194.0	2929.9	4123.8	4773.7	5294.9	5260.0	3979.9
62.5°	839.1	874.0	989.3	1245.0	1727.2	2503.3	3947.8	4923.7	5721.8	5709.4	4309.2
65°	482.3	508.6	588.7	786.0	1191.6	1967.7	3529.3	4866.0	5984.5	5977.5	4432.3
66°	394.0	410.4	471.9	614.3	983.2	1728.0	3286.0	4744.4	6010.6	6010.8	4418.2
67.5°	315.1	322.4	350.0	439.8	725.5	1369.6	2851.3	4476.1	5978.2	5987.1	4326.9
70°	260.7	264.5	273.1	294.9	396.0	825.9	2023.8	3778.9	5653.3	5660.1	3970.6
72.5°	233.9	236.2	239.5	242.5	279.4	461.5	1236.1	3023.0	4956.6	4965.4	3427.6
75°	211.9	213.2	212.7	212.9	234.4	294.1	638.8	2257.0	4007.7	3990.0	2625.7
77.5°	186.1	187.4	184.9	185.4	207.4	226.1	317.9	1580.0	2704.6	2579.7	1479.4
80°	157.3	158.3	157.3	159.1	180.6	170.7	184.9	888.9	1195.9	1131.2	526.0
82.5°	118.9	123.2	126.2	133.3	148.7	121.4	123.7	346.2	364.2	346.7	161.3
85°	52.1	63.5	95.1	101.9	111.8	72.8	81.2	141.1	148.2	143.6	58.7
87.5°	13.7	14.9	47.0	59.2	62.0	32.9	42.2	64.2	67.8	64.2	19.5
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: P1208919

CATALOG NUMBER: UPW-SA2-070-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3
2.5°	687.8	675.5	653.2	633.5	618.6	608.4	598.3	593.3	590.2	587.2	587.7
5°	709.8	684.8	646.6	619.6	604.4	594.8	589.7	587.7	586.4	583.4	583.4
7.5°	743.0	707.6	655.0	627.2	615.3	607.9	604.9	603.9	602.4	598.8	599.3
10°	784.7	735.1	672.4	645.4	634.5	626.4	622.1	620.6	617.8	613.8	614.3
12.5°	833.8	769.3	695.4	667.1	654.0	643.1	636.0	631.7	626.9	621.6	621.8
15°	887.4	806.5	720.2	686.6	668.6	653.5	642.1	634.7	627.2	620.6	620.3
17.5°	941.7	842.4	739.2	697.2	672.9	653.0	637.5	626.1	616.8	608.7	607.9
20°	1000.4	874.7	749.8	696.2	664.8	641.1	620.6	606.4	596.1	588.0	586.7
22.5°	1060.1	905.1	751.6	685.8	646.9	617.8	596.3	580.6	570.0	561.7	558.6
25°	1114.7	928.6	744.2	665.8	621.8	590.5	569.5	553.6	545.0	535.1	532.1
27.5°	1164.5	945.0	729.6	640.3	593.8	562.9	543.2	529.5	520.2	512.6	510.1
30°	1209.3	953.9	705.6	610.0	564.9	536.9	520.2	510.8	502.7	493.1	491.4
32.5°	1251.8	953.9	674.7	576.8	536.4	513.9	504.0	498.2	489.1	479.7	477.2
35°	1294.3	948.1	638.3	542.2	510.1	497.4	496.9	490.1	476.2	463.5	460.3
37.5°	1339.0	936.2	597.3	509.8	488.6	490.1	494.4	479.2	459.5	441.5	436.7
40°	1389.6	919.7	554.8	481.7	470.6	486.8	487.6	463.5	425.1	408.7	404.4
42.5°	1449.0	903.3	515.4	457.0	456.5	476.9	474.7	429.7	406.6	398.3	396.0
45°	1527.2	893.9	478.0	433.4	445.3	461.0	452.7	410.9	401.3	396.5	394.5
47.5°	1650.3	898.8	443.6	414.7	434.2	445.1	411.7	403.4	396.5	390.7	388.7
50°	1804.6	896.0	415.7	401.8	421.6	428.4	393.2	393.5	389.9	383.4	380.3
52.5°	1920.7	874.2	397.8	394.5	410.4	398.8	381.6	383.9	382.1	372.5	369.2
55°	2032.7	855.5	388.7	391.7	402.3	361.9	367.9	373.5	371.7	362.4	360.9
57.5°	2172.0	852.0	383.1	392.5	395.5	343.4	354.8	362.1	360.9	356.8	356.1
60°	2342.7	853.0	378.1	393.7	387.9	329.8	342.4	351.8	352.5	351.8	351.3
62.5°	2436.6	825.4	365.4	390.2	374.5	317.9	329.5	343.2	343.4	344.9	344.7
65°	2356.9	743.0	341.9	377.8	352.0	308.0	318.4	333.3	329.5	336.3	336.3
66°	2279.5	695.4	330.3	369.7	342.4	304.2	314.8	328.2	323.4	332.8	332.8
67.5°	2121.5	615.3	309.3	352.5	328.8	298.9	310.8	319.9	313.3	327.2	326.2
70°	1832.7	475.9	267.0	313.6	306.2	291.1	305.2	303.2	293.6	314.8	310.8
72.5°	1545.1	361.6	214.4	262.5	272.1	281.2	297.4	282.0	269.8	284.7	275.9
75°	1198.9	271.9	169.4	204.1	229.9	265.8	288.0	257.4	240.0	238.5	233.7
77.5°	648.1	186.6	134.3	155.8	182.6	246.6	281.7	231.1	204.8	198.8	195.0
80°	256.7	121.4	97.6	118.1	127.7	218.7	266.5	200.5	168.9	162.9	157.0
82.5°	106.0	71.8	63.0	79.2	83.2	187.1	239.2	164.4	130.5	180.6	191.7
85°	45.5	39.5	37.4	41.0	47.0	131.2	190.4	125.4	140.9	125.7	99.9
87.5°	13.7	16.7	15.9	15.7	17.2	31.4	101.4	69.8	103.4	39.2	29.3
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)