

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: P1208136

Luminaire Tested: UPW-SA1-040-750-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208136
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-SA1-040-750-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6358 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

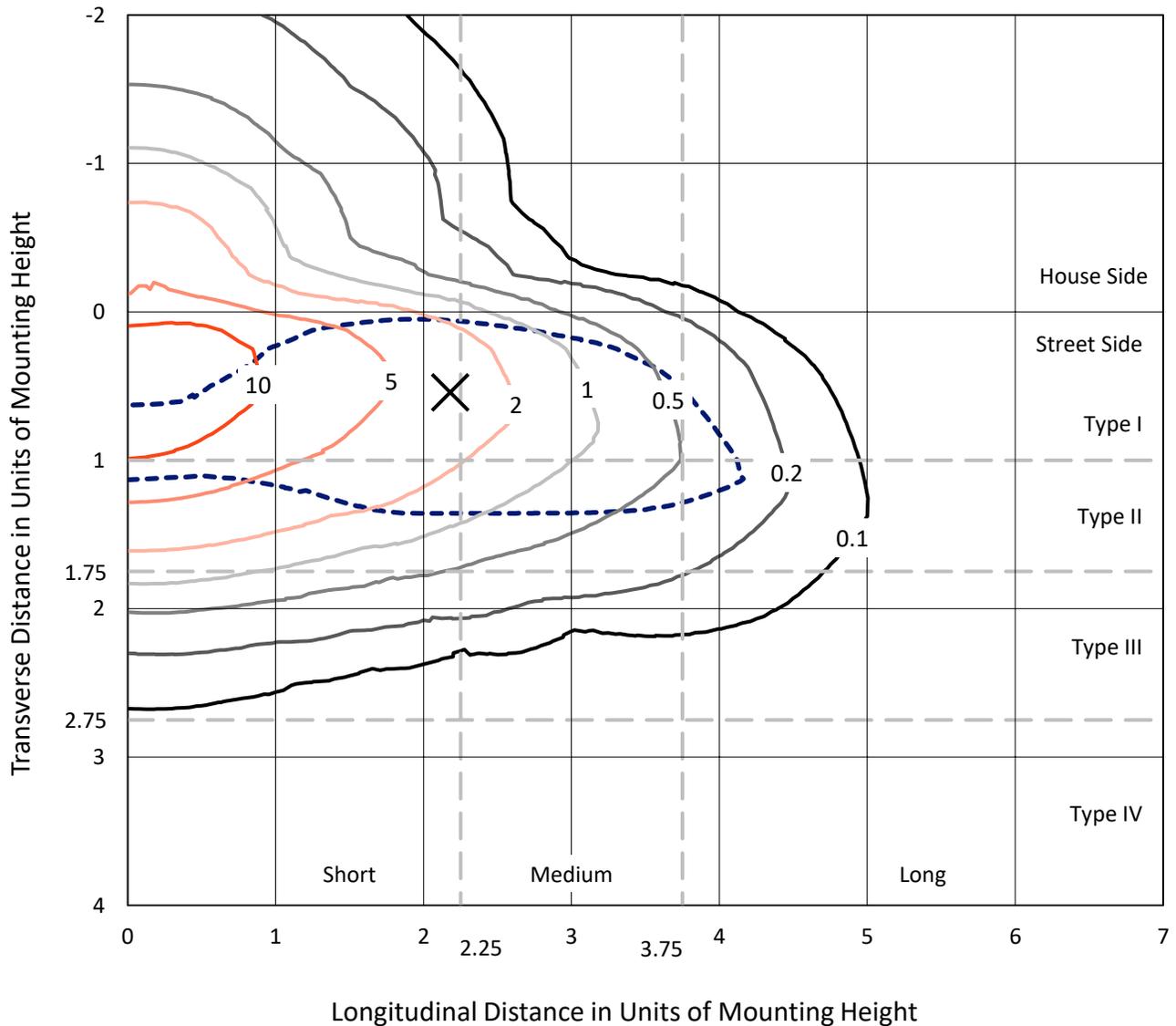


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Iso-Footcandle Lines of Horizontal Illumination

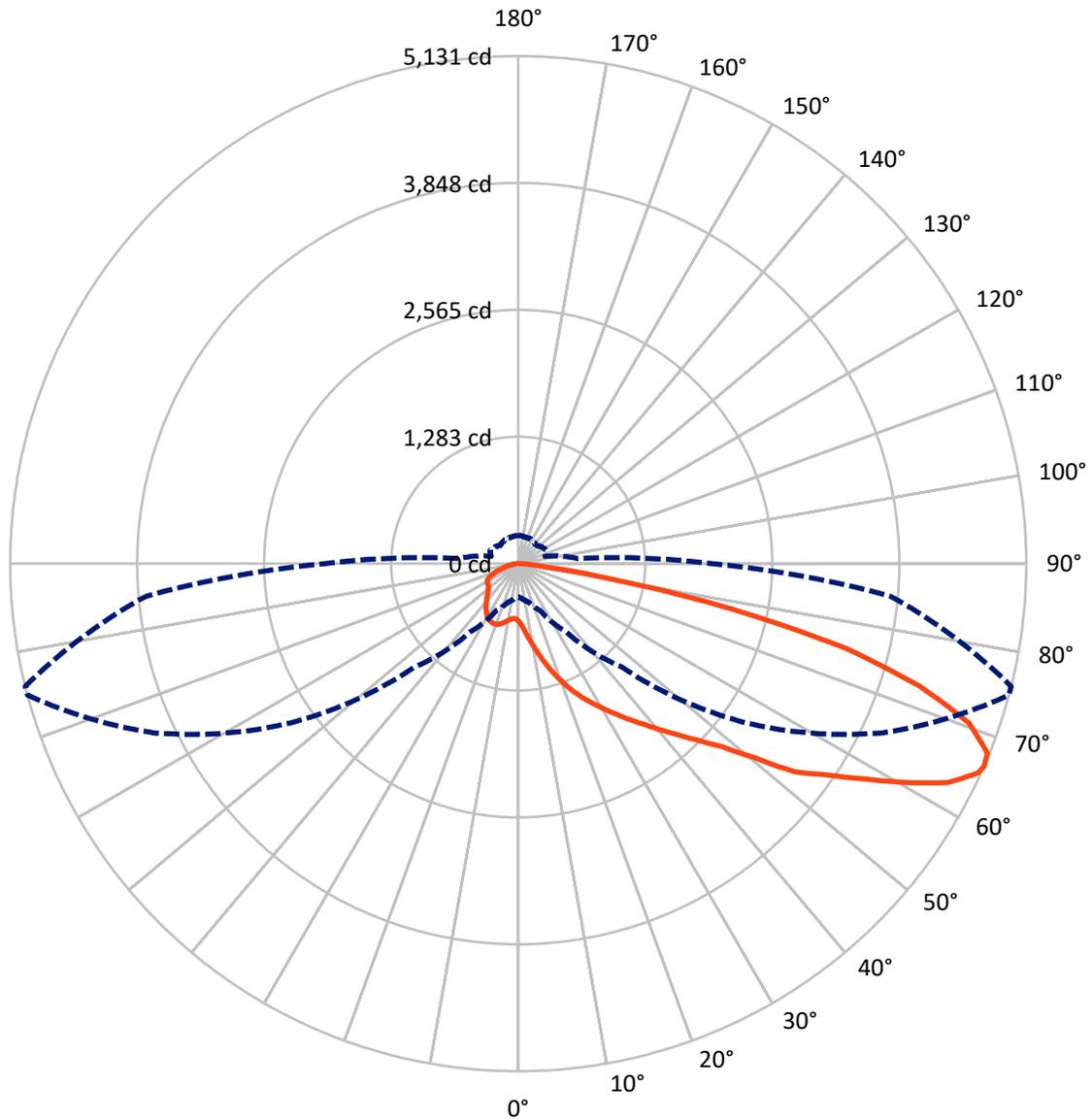
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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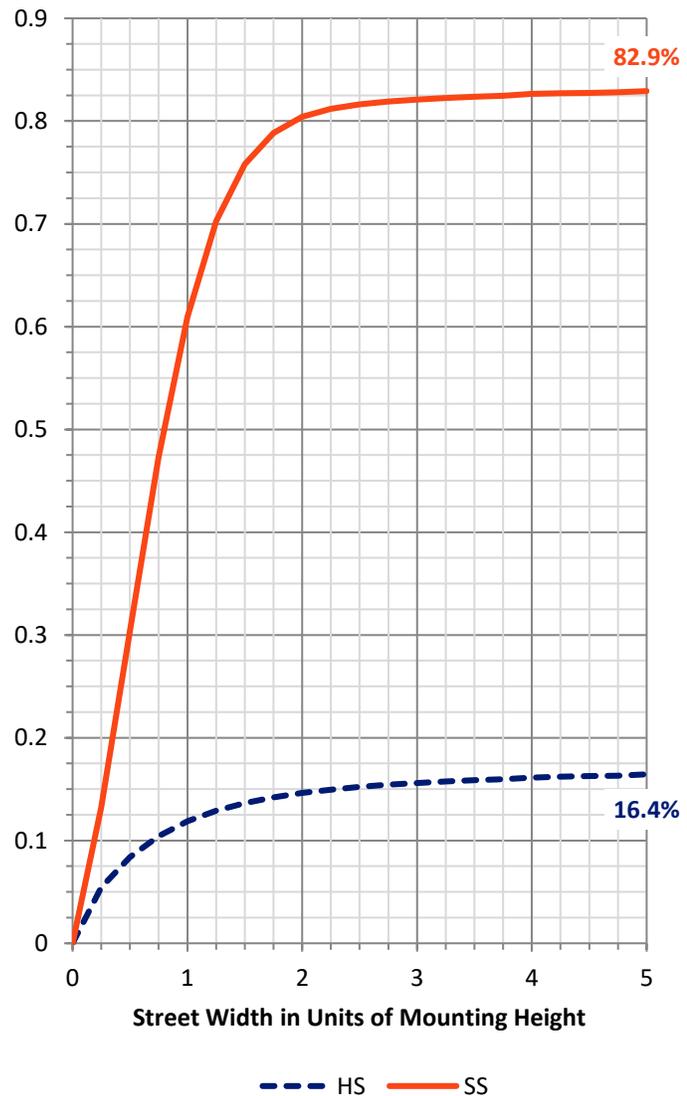
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1069.8	0.0	1069.8
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	5288.2	0.0	5288.2
	% Fixture	83.2	0.0	83.2
Total	Lumens	6358.0	0.0	6358.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.1
10°-20°	277.3	4.4
20°-30°	538.8	8.5
30°-40°	879.4	13.8
40°-50°	1201.5	18.9
50°-60°	1399.5	22.0
60°-70°	1254.7	19.7
70°-80°	634.1	10.0
80°-90°	102.4	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°	6358.0	100.0
0°-180°	6358.0	100.0



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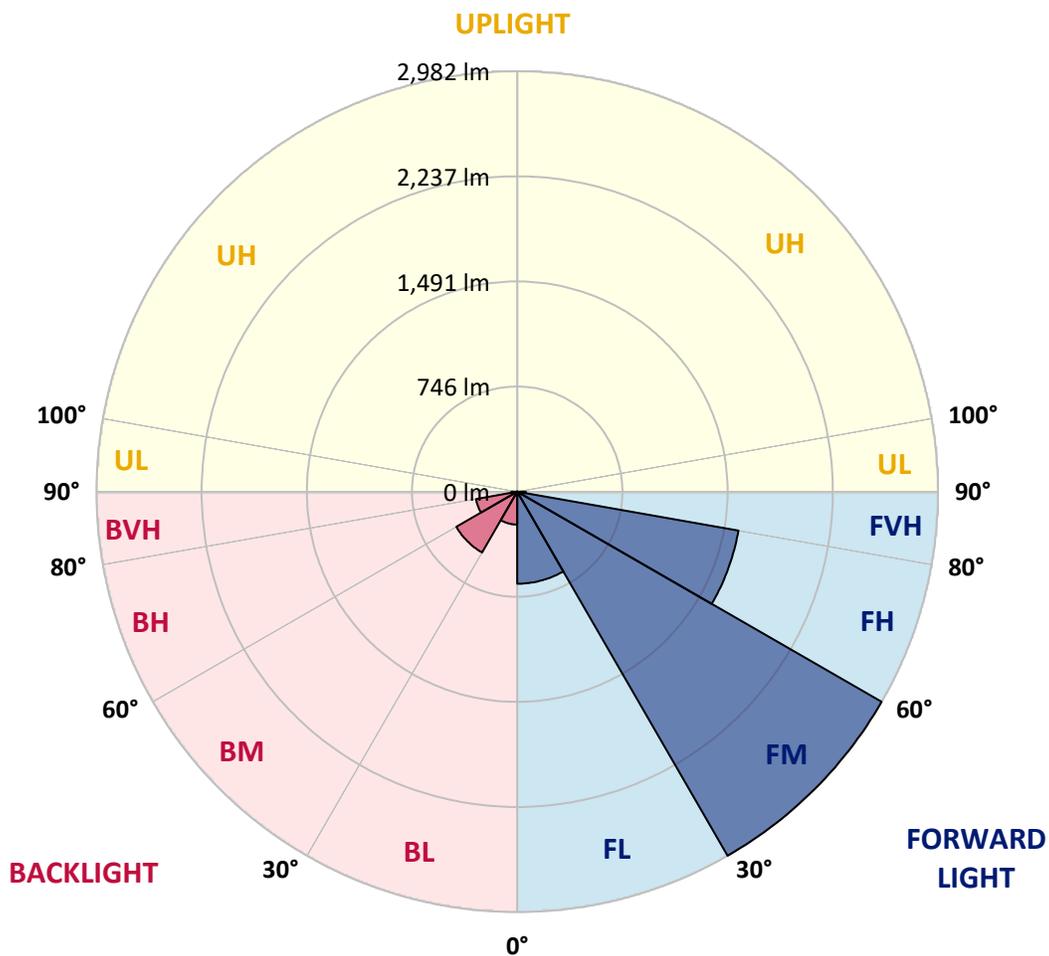
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	652.9	10.3			
FM	(30°-60°)	2982.3	46.9			
FH	(60°-80°)	1592.4	25.0			G1/1800
FVH	(80°-90°)	60.5	1.0			G1/100
BL	(0°-30°)	233.3	3.7	B1/500		
BM	(30°-60°)	498.2	7.8	B1/1000		
BH	(60°-80°)	296.4	4.7	B1/500		G1/500
BVH	(80°-90°)	41.9	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6
2.5°	770.8	759.1	758.1	741.0	737.1	704.5	680.6	655.5	627.0	621.4	599.0
5°	990.1	989.0	974.1	946.3	924.5	868.8	813.7	755.5	691.6	681.2	630.7
7.5°	1187.4	1185.6	1174.2	1144.2	1112.7	1044.3	965.7	876.3	772.7	757.4	673.7
10°	1337.2	1336.5	1332.6	1310.6	1283.9	1218.2	1131.5	1009.5	867.1	846.1	727.4
12.5°	1452.9	1454.2	1456.8	1449.0	1436.2	1380.3	1291.4	1150.7	967.6	946.9	787.2
15°	1531.2	1535.1	1548.5	1559.5	1566.2	1531.9	1445.7	1295.1	1080.3	1055.5	853.5
17.5°	1570.7	1575.0	1598.1	1631.4	1662.0	1658.6	1590.1	1432.8	1188.5	1164.5	924.7
20°	1604.8	1608.1	1634.0	1673.9	1728.1	1752.0	1713.6	1565.3	1307.0	1278.5	1000.2
22.5°	1703.7	1707.8	1715.6	1738.2	1786.1	1830.2	1811.6	1690.7	1415.5	1389.0	1071.9
25°	1894.5	1899.5	1882.6	1863.4	1872.5	1903.1	1906.6	1805.1	1525.6	1495.6	1149.0
27.5°	2124.4	2131.5	2102.8	2053.4	2010.2	1998.3	1994.2	1898.8	1630.7	1596.0	1225.1
30°	2349.5	2361.8	2324.5	2260.4	2181.1	2125.4	2084.2	1990.5	1734.3	1701.1	1297.0
32.5°	2569.4	2564.5	2510.3	2447.7	2354.9	2285.2	2185.5	2089.0	1850.9	1812.7	1368.5
35°	2720.1	2721.8	2671.5	2597.3	2508.8	2455.3	2321.0	2195.2	1969.8	1934.6	1449.6
37.5°	2848.3	2840.3	2783.3	2714.1	2637.9	2615.0	2479.7	2312.2	2098.7	2060.3	1536.0
40°	2891.1	2881.8	2844.4	2794.6	2733.5	2731.5	2654.7	2444.7	2244.4	2206.4	1633.3
42.5°	2865.2	2853.3	2838.0	2824.4	2805.6	2814.2	2819.2	2600.1	2404.5	2362.0	1746.0
45°	2769.5	2751.6	2762.4	2792.0	2832.8	2881.6	2967.7	2772.1	2583.9	2548.3	1878.3
47.5°	2622.5	2606.4	2640.0	2703.3	2814.2	2937.7	3108.2	2962.1	2798.0	2762.6	2066.7
50°	2415.8	2420.5	2468.6	2583.7	2751.4	2963.6	3281.3	3213.5	3109.3	3076.3	2323.8
52.5°	2076.4	2077.3	2212.9	2401.7	2640.0	2950.2	3377.4	3534.9	3534.3	3494.3	2568.6
55°	1761.3	1780.5	1887.8	2138.8	2459.6	2896.7	3444.5	3691.2	3813.4	3766.5	2796.7
57.5°	1453.5	1464.7	1566.4	1818.5	2202.1	2754.0	3513.3	3878.8	4135.0	4105.4	3080.4
60°	1103.4	1120.7	1225.8	1458.7	1872.7	2500.8	3519.8	4074.5	4519.4	4489.6	3397.0
62.5°	716.2	746.0	844.4	1062.6	1474.2	2136.7	3369.6	4202.5	4883.8	4873.2	3678.0
65°	411.6	434.1	502.5	670.9	1017.1	1679.5	3012.4	4153.3	5108.0	5102.0	3783.2
66°	336.3	350.3	402.8	524.3	839.2	1474.9	2804.7	4049.5	5130.3	5130.5	3771.1
67.5°	268.9	275.2	298.7	375.4	619.3	1169.0	2433.7	3820.5	5102.6	5110.2	3693.1
70°	222.5	225.8	233.1	251.7	338.0	705.0	1727.4	3225.4	4825.3	4831.1	3389.0
72.5°	199.7	201.6	204.4	207.0	238.5	393.9	1055.1	2580.2	4230.6	4238.2	2925.6
75°	180.9	182.0	181.5	181.7	200.1	251.0	545.2	1926.4	3420.7	3405.6	2241.1
77.5°	158.9	159.9	157.8	158.2	177.0	193.0	271.3	1348.6	2308.5	2201.9	1262.7
80°	134.3	135.1	134.3	135.8	154.1	145.7	157.8	758.7	1020.7	965.5	449.0
82.5°	101.4	105.1	107.7	113.8	126.9	103.6	105.5	295.5	310.8	295.9	137.7
85°	44.5	54.2	81.2	87.0	95.4	62.2	69.3	120.4	126.5	122.6	50.1
87.5°	11.7	12.7	40.1	50.5	52.9	28.1	36.0	54.8	57.8	54.8	16.6
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°	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6	580.6
2.5°	587.1	576.5	557.5	540.7	528.0	519.3	510.7	506.4	503.8	501.2	501.6
5°	605.9	584.5	551.9	528.8	515.9	507.7	503.4	501.6	500.5	498.0	498.0
7.5°	634.2	603.9	559.0	535.3	525.2	518.9	516.3	515.4	514.1	511.1	511.6
10°	669.8	627.5	573.9	550.8	541.6	534.7	531.0	529.7	527.3	523.9	524.3
12.5°	711.6	656.6	593.6	569.4	558.2	548.9	542.9	539.2	535.1	530.6	530.8
15°	757.4	688.3	614.7	586.0	570.7	557.7	548.0	541.8	535.3	529.7	529.5
17.5°	803.8	719.0	630.9	595.1	574.4	557.3	544.2	534.4	526.5	519.5	518.9
20°	853.9	746.6	640.0	594.2	567.5	547.2	529.7	517.6	508.8	501.8	500.8
22.5°	904.8	772.5	641.5	585.4	552.1	527.3	509.0	495.6	486.5	479.4	476.8
25°	951.5	792.6	635.2	568.3	530.8	504.0	486.1	472.5	465.2	456.7	454.1
27.5°	994.0	806.6	622.7	546.5	506.8	480.5	463.6	452.0	444.0	437.5	435.4
30°	1032.2	814.2	602.2	520.6	482.2	458.2	444.0	436.0	429.1	420.9	419.4
32.5°	1068.4	814.2	575.9	492.3	457.8	438.6	430.2	425.2	417.4	409.5	407.3
35°	1104.7	809.2	544.8	462.8	435.4	424.6	424.1	418.3	406.4	395.6	392.8
37.5°	1142.9	799.1	509.8	435.1	417.0	418.3	422.0	409.0	392.2	376.9	372.8
40°	1186.1	785.0	473.6	411.2	401.7	415.5	416.2	395.6	362.8	348.8	345.1
42.5°	1236.8	771.0	439.9	390.0	389.6	407.1	405.1	366.7	347.1	340.0	338.0
45°	1303.5	763.0	408.0	370.0	380.1	393.5	386.4	350.8	342.5	338.4	336.7
47.5°	1408.6	767.1	378.6	354.0	370.6	379.9	351.4	344.3	338.4	333.5	331.8
50°	1540.3	764.7	354.9	343.0	359.8	365.6	335.6	335.9	332.8	327.2	324.6
52.5°	1639.4	746.2	339.5	336.7	350.3	340.4	325.7	327.7	326.1	317.9	315.1
55°	1735.0	730.2	331.8	334.3	343.4	308.9	314.1	318.8	317.3	309.3	308.0
57.5°	1853.9	727.2	327.0	335.0	337.6	293.1	302.8	309.1	308.0	304.6	303.9
60°	1999.6	728.1	322.7	336.1	331.1	281.5	292.3	300.2	300.9	300.2	299.8
62.5°	2079.7	704.5	311.9	333.1	319.7	271.3	281.2	292.9	293.1	294.4	294.2
65°	2011.7	634.2	291.8	322.5	300.5	262.9	271.8	284.5	281.2	287.1	287.1
66°	1945.6	593.6	281.9	315.6	292.3	259.7	268.7	280.2	276.1	284.1	284.1
67.5°	1810.7	525.2	264.0	300.9	280.6	255.1	265.3	273.0	267.4	279.3	278.4
70°	1564.2	406.2	227.9	267.7	261.4	248.4	260.5	258.8	250.6	268.7	265.3
72.5°	1318.8	308.7	183.0	224.0	232.3	240.0	253.8	240.7	230.3	243.0	235.5
75°	1023.3	232.0	144.6	174.2	196.2	226.9	245.8	219.7	204.8	203.5	199.4
77.5°	553.2	159.3	114.6	133.0	155.8	210.5	240.5	197.3	174.8	169.7	166.4
80°	219.1	103.6	83.3	100.8	109.0	186.7	227.5	171.2	144.2	139.0	134.0
82.5°	90.4	61.3	53.7	67.6	71.0	159.7	204.2	140.3	111.4	154.1	163.6
85°	38.9	33.7	31.9	35.0	40.1	112.0	162.5	107.1	120.2	107.3	85.3
87.5°	11.7	14.2	13.6	13.4	14.7	26.8	86.6	59.6	88.3	33.5	25.0
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)