

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: P1208513

Luminaire Tested: UPW-SA1-070-727-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-727-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WIT HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5592 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

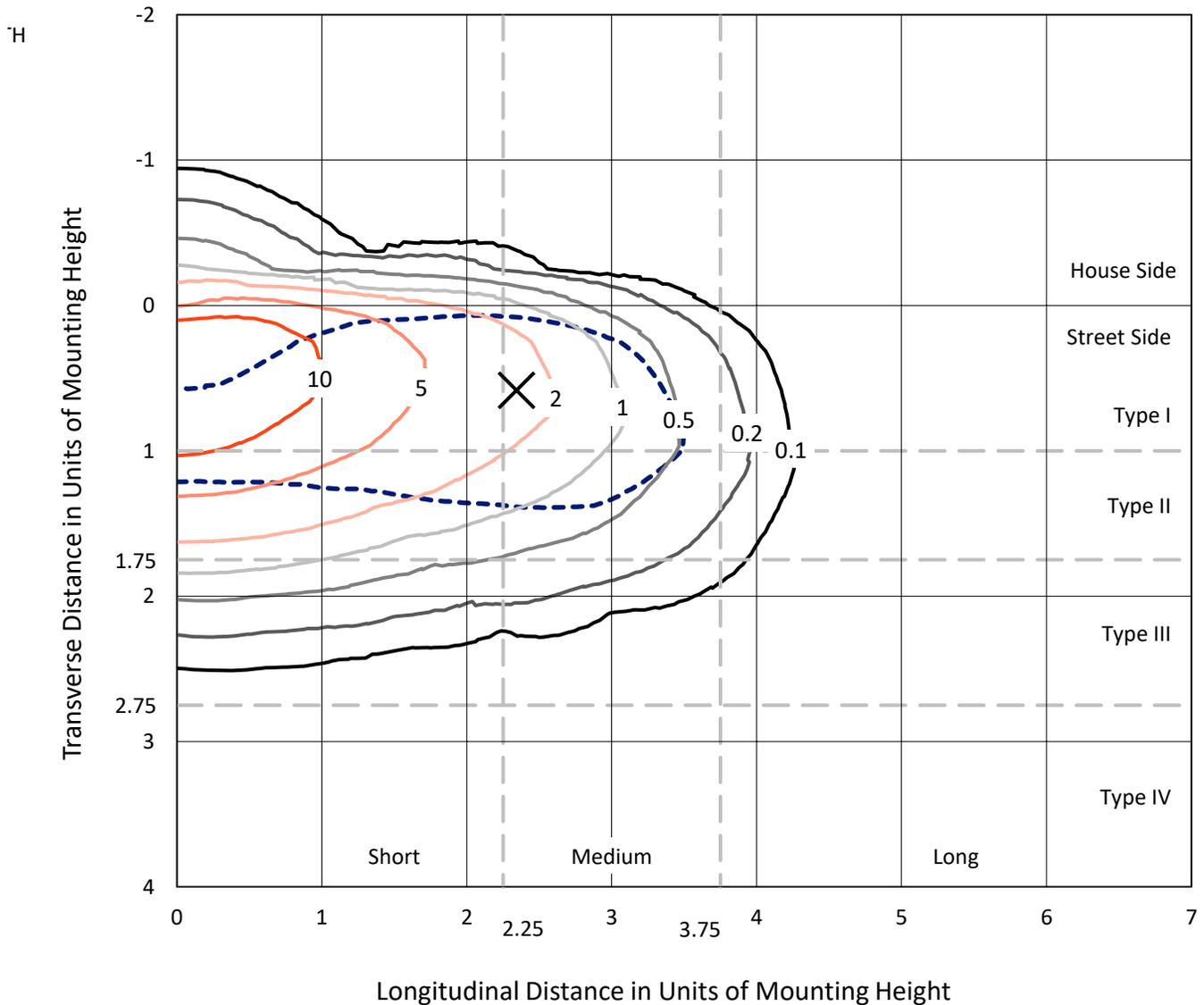
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

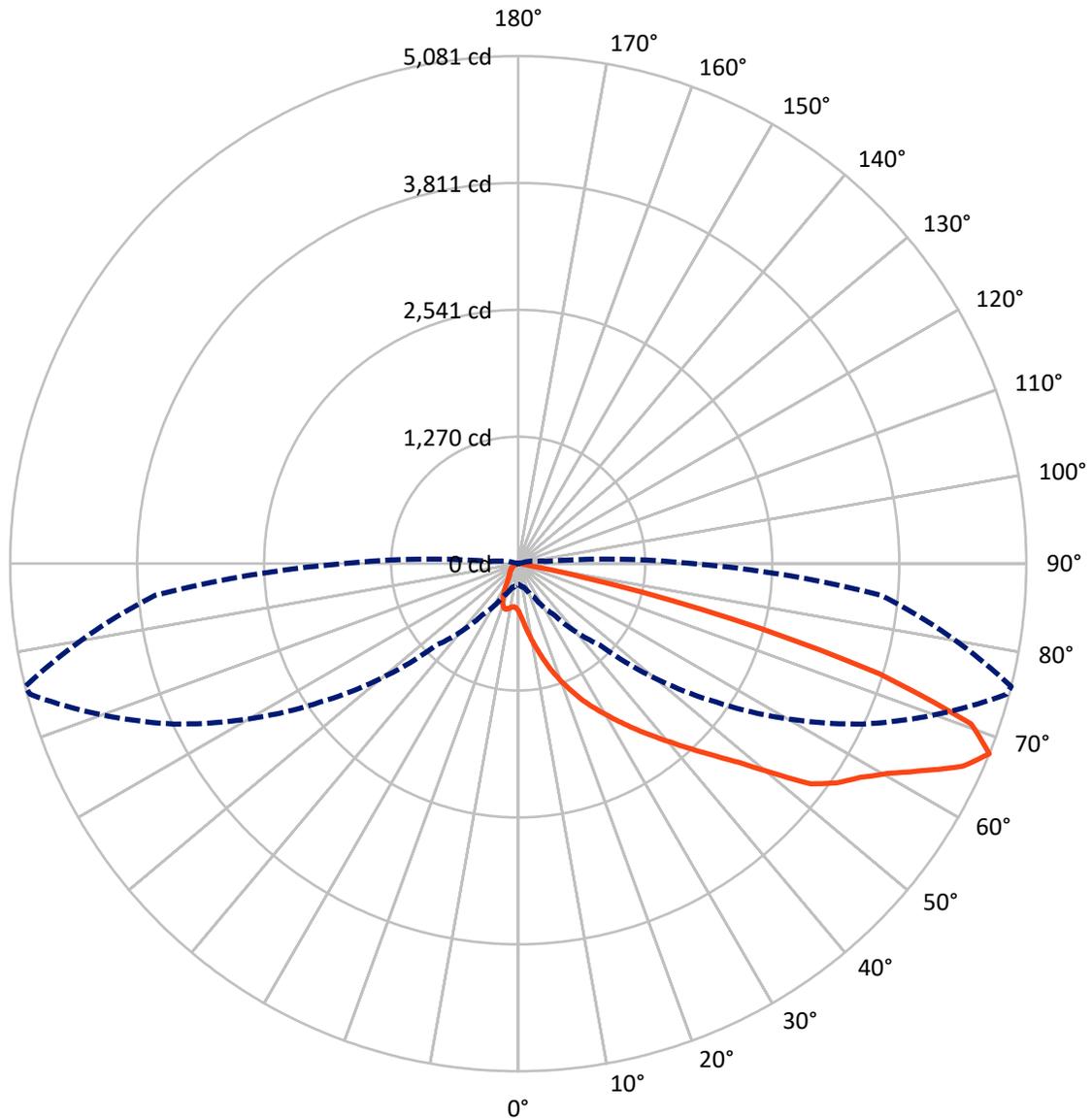
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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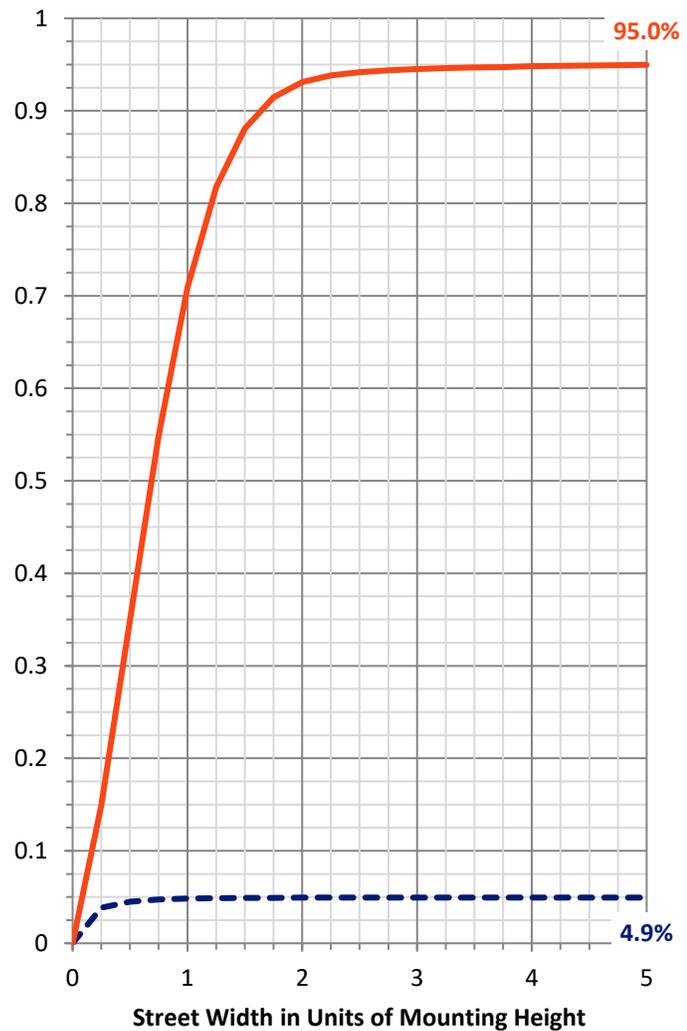
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	277.7	0.0	277.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5314.3	0.0	5314.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.1
10°-20°	233.8	4.2
20°-30°	475.8	8.5
30°-40°	825.8	14.8
40°-50°	1166.7	20.9
50°-60°	1323.1	23.7
60°-70°	1097.4	19.6
70°-80°	397.5	7.1
80°-90°	12.9	0.2
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°	5592.0	100.0
0°-180°	5592.0	100.0



--- HS — SS

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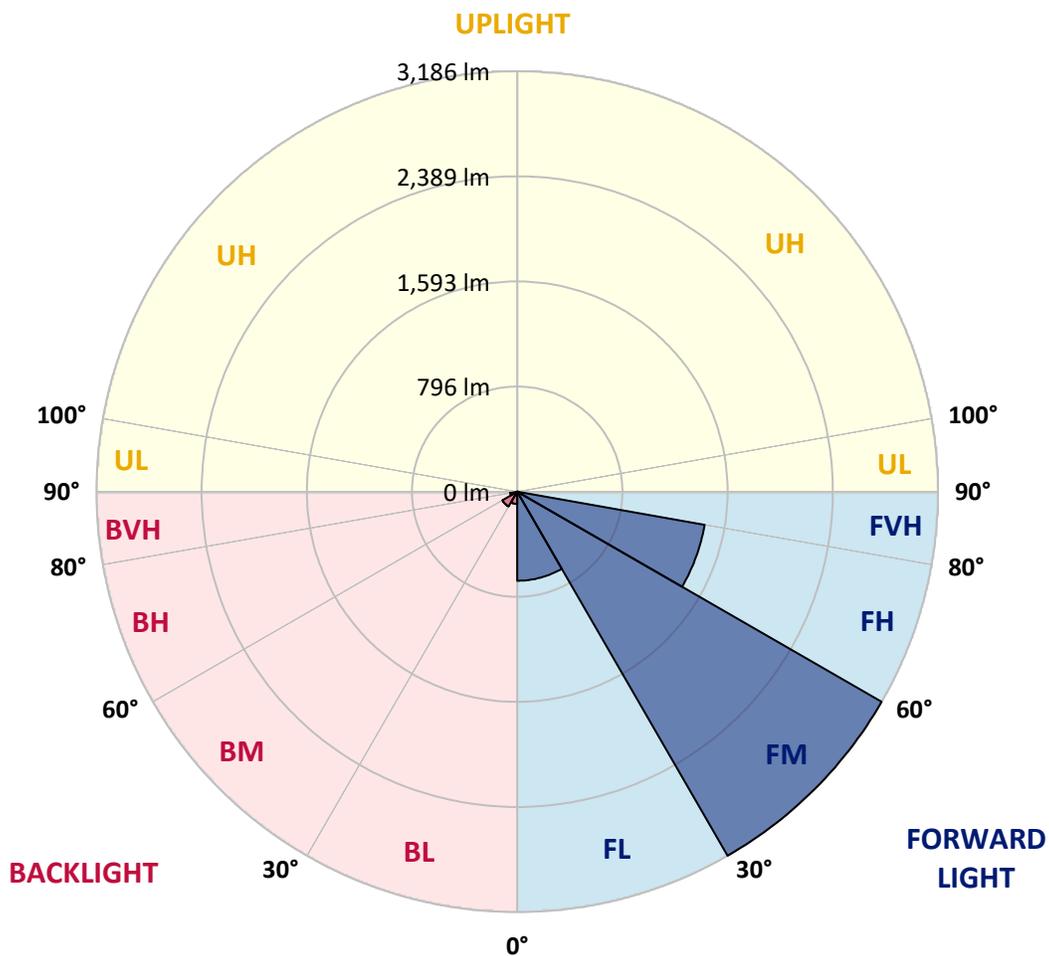
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	674.9	12.1			
FM	(30°-60°)	3185.7	57.0			
FH	(60°-80°)	1441.2	25.8			G1/1800
FVH	(80°-90°)	12.5	0.2			G1/100
BL	(0°-30°)	93.7	1.7	B0/110		
BM	(30°-60°)	130.0	2.3	B0/220		
BH	(60°-80°)	53.7	1.0	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: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4
2.5°	708.1	692.2	695.9	685.6	667.0	628.7	596.1	565.3	529.2	528.0	498.4
5°	954.9	941.4	939.7	918.8	885.0	820.1	756.9	684.8	604.5	598.6	535.6
7.5°	1178.8	1168.0	1164.1	1139.4	1076.4	1013.2	930.8	825.0	699.3	688.5	585.8
10°	1350.8	1345.7	1346.6	1329.0	1275.1	1216.3	1108.2	973.2	806.9	790.2	646.1
12.5°	1481.2	1482.4	1491.2	1480.4	1450.3	1406.7	1291.3	1131.3	925.9	903.2	715.0
15°	1577.0	1583.1	1599.3	1612.7	1610.5	1572.8	1466.9	1291.8	1052.4	1027.1	791.7
17.5°	1639.0	1645.8	1669.3	1699.2	1726.7	1717.9	1636.5	1446.6	1180.3	1151.1	873.8
20°	1693.4	1701.4	1726.7	1766.1	1817.3	1828.4	1774.9	1596.8	1307.9	1272.4	958.5
22.5°	1811.2	1811.0	1826.4	1849.4	1898.2	1926.6	1892.8	1736.2	1434.1	1397.1	1045.0
25°	2024.4	2016.3	2010.9	1992.8	2003.5	2021.2	2002.3	1866.6	1561.0	1523.5	1132.7
27.5°	2277.7	2282.6	2239.0	2190.3	2152.5	2134.4	2103.5	1987.4	1683.1	1641.9	1218.5
30°	2545.0	2546.5	2495.1	2432.8	2349.8	2280.9	2227.5	2102.8	1808.5	1763.7	1301.8
32.5°	2786.2	2776.6	2725.6	2640.9	2536.0	2458.6	2347.6	2231.7	1941.3	1897.9	1394.4
35°	2977.3	2966.0	2904.0	2826.8	2718.0	2640.1	2506.6	2360.3	2081.0	2038.6	1487.3
37.5°	3116.9	3103.7	3040.0	2960.6	2866.8	2821.4	2691.1	2500.2	2233.4	2187.8	1585.1
40°	3165.4	3153.9	3114.0	3055.9	2980.5	2970.2	2886.9	2661.2	2399.3	2350.7	1695.8
42.5°	3136.5	3125.3	3111.1	3091.4	3060.1	3069.9	3071.6	2844.7	2583.5	2535.7	1818.1
45°	3021.9	3011.8	3026.5	3055.2	3094.1	3142.7	3240.2	3042.0	2789.3	2738.4	1959.4
47.5°	2853.0	2845.7	2886.4	2957.9	3071.8	3205.6	3394.3	3249.2	3020.4	2973.1	2135.9
50°	2612.9	2611.7	2693.0	2823.6	2998.8	3236.0	3553.6	3485.0	3341.4	3291.6	2381.1
52.5°	2239.0	2241.5	2401.5	2610.5	2870.7	3215.4	3656.0	3787.8	3714.8	3663.1	2593.6
55°	1883.0	1897.7	2011.1	2312.5	2674.2	3139.0	3691.3	3929.2	3920.9	3871.8	2711.7
57.5°	1534.3	1561.0	1670.3	1951.8	2387.3	2962.8	3671.9	3990.4	4074.2	4036.7	2867.5
60°	1156.5	1168.8	1294.7	1557.9	2019.0	2641.3	3531.5	4023.8	4284.0	4258.0	3093.7
62.5°	735.8	766.4	878.2	1132.0	1572.1	2194.9	3294.8	4023.3	4546.4	4560.6	3385.5
65°	387.6	423.4	482.7	701.5	1080.3	1696.3	2938.8	3985.5	4868.4	4888.2	3613.6
67.5°	209.0	219.3	250.7	364.1	626.5	1149.2	2415.7	3799.3	5054.8	5081.0	3645.4
70°	152.9	158.5	170.3	201.4	315.3	667.4	1762.7	3377.1	4814.4	4804.6	3239.0
72.5°	117.4	126.2	135.0	147.5	181.3	356.3	1097.5	2644.5	3841.5	3776.8	2421.1
75°	92.6	94.1	106.6	117.9	136.0	202.9	487.3	1540.2	2344.6	2191.5	1255.5
77.5°	74.0	75.0	82.3	92.1	109.3	133.3	150.9	605.9	748.5	667.9	272.5
80°	43.9	46.3	61.3	71.1	90.7	84.0	55.1	131.6	116.9	105.8	45.8
82.5°	24.5	26.5	34.5	56.1	63.2	40.2	27.4	35.5	27.4	26.7	13.0
85°	0.0	1.2	22.3	34.8	25.7	8.8	11.5	11.8	8.1	7.6	5.1
87.5°	0.0	0.0	6.9	6.6	1.0	1.5	2.7	3.9	3.2	3.2	2.7
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°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4
2.5°	483.7	470.4	445.5	420.9	400.4	383.5	368.3	362.1	357.2	356.5	352.6
5°	505.2	478.5	430.7	391.5	365.3	346.7	330.8	321.0	313.4	310.4	307.7
7.5°	537.8	497.4	428.8	383.7	352.3	321.0	291.6	259.7	239.9	232.3	227.9
10°	577.5	522.4	436.1	381.5	326.6	260.5	211.7	171.3	154.9	149.5	148.0
12.5°	623.8	553.5	448.9	367.8	271.7	185.0	146.0	132.3	128.6	126.9	126.9
15°	677.0	587.6	457.9	328.1	200.9	139.9	126.4	120.1	116.1	113.9	114.2
17.5°	731.4	620.9	453.5	270.5	148.2	124.5	114.4	107.6	102.2	100.0	99.5
20°	786.3	651.8	429.0	201.4	125.5	113.0	101.7	94.1	88.7	86.5	86.0
22.5°	843.1	678.0	385.9	147.7	112.7	100.2	89.2	81.6	76.4	74.5	73.5
25°	898.5	699.3	325.6	119.6	100.7	88.2	77.7	70.6	65.9	64.0	63.7
27.5°	950.2	712.8	255.8	105.6	90.2	77.4	67.9	61.5	57.6	56.1	55.9
30°	996.8	714.0	189.2	95.3	80.9	68.1	59.3	53.7	50.2	48.8	48.3
32.5°	1043.8	703.7	137.7	86.0	72.3	60.0	51.5	47.0	44.6	43.4	43.4
35°	1088.1	679.9	107.3	77.9	64.0	52.2	45.3	42.1	40.7	39.4	39.4
37.5°	1131.5	645.9	91.1	70.8	56.1	45.6	39.9	38.0	36.8	35.5	35.5
40°	1175.6	603.0	82.8	64.2	49.7	40.4	35.5	33.8	32.6	31.6	31.4
42.5°	1229.8	553.5	77.4	58.1	44.1	35.8	31.4	29.4	28.4	27.4	27.0
45°	1292.5	510.9	73.0	51.9	39.4	31.9	27.2	25.2	23.8	22.5	22.3
47.5°	1382.9	480.0	67.1	45.3	35.0	27.7	23.5	21.3	19.1	17.9	17.6
50°	1498.3	454.5	59.5	39.4	30.6	23.5	19.6	16.9	14.9	13.7	13.7
52.5°	1555.6	421.2	52.7	34.3	25.7	19.8	15.9	12.7	11.8	10.5	10.5
55°	1578.7	395.7	45.8	29.2	21.3	16.4	12.5	9.8	9.1	8.3	8.1
57.5°	1643.4	388.4	39.9	24.7	17.6	13.0	9.6	7.4	6.9	5.9	5.9
60°	1747.5	392.0	34.5	21.1	14.2	10.0	7.1	5.6	5.1	4.2	4.2
62.5°	1860.0	387.4	29.2	18.1	11.0	7.4	4.9	4.2	4.2	2.5	2.2
65°	1881.5	345.0	25.0	14.9	8.6	5.4	3.2	2.7	3.7	0.5	0.0
67.5°	1746.3	267.6	21.6	11.5	6.4	4.2	2.5	1.2	3.2	0.0	0.0
70°	1396.4	170.0	17.4	8.3	4.9	3.4	2.0	0.5	2.5	0.0	0.0
72.5°	987.4	98.7	13.7	5.9	4.2	2.7	1.5	0.0	1.5	0.0	0.0
75°	499.4	52.7	8.6	4.4	3.2	2.0	1.0	0.0	0.2	0.0	0.0
77.5°	108.1	24.5	5.4	3.2	2.2	1.2	0.5	0.0	0.0	0.0	0.0
80°	23.5	10.8	3.4	2.0	1.2	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	8.6	5.6	1.7	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.7	2.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.0	0.2	0.2	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)