

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: P1208756

Luminaire Tested: UPW-SA2-070-727-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208756
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-SA2-070-727-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6564 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

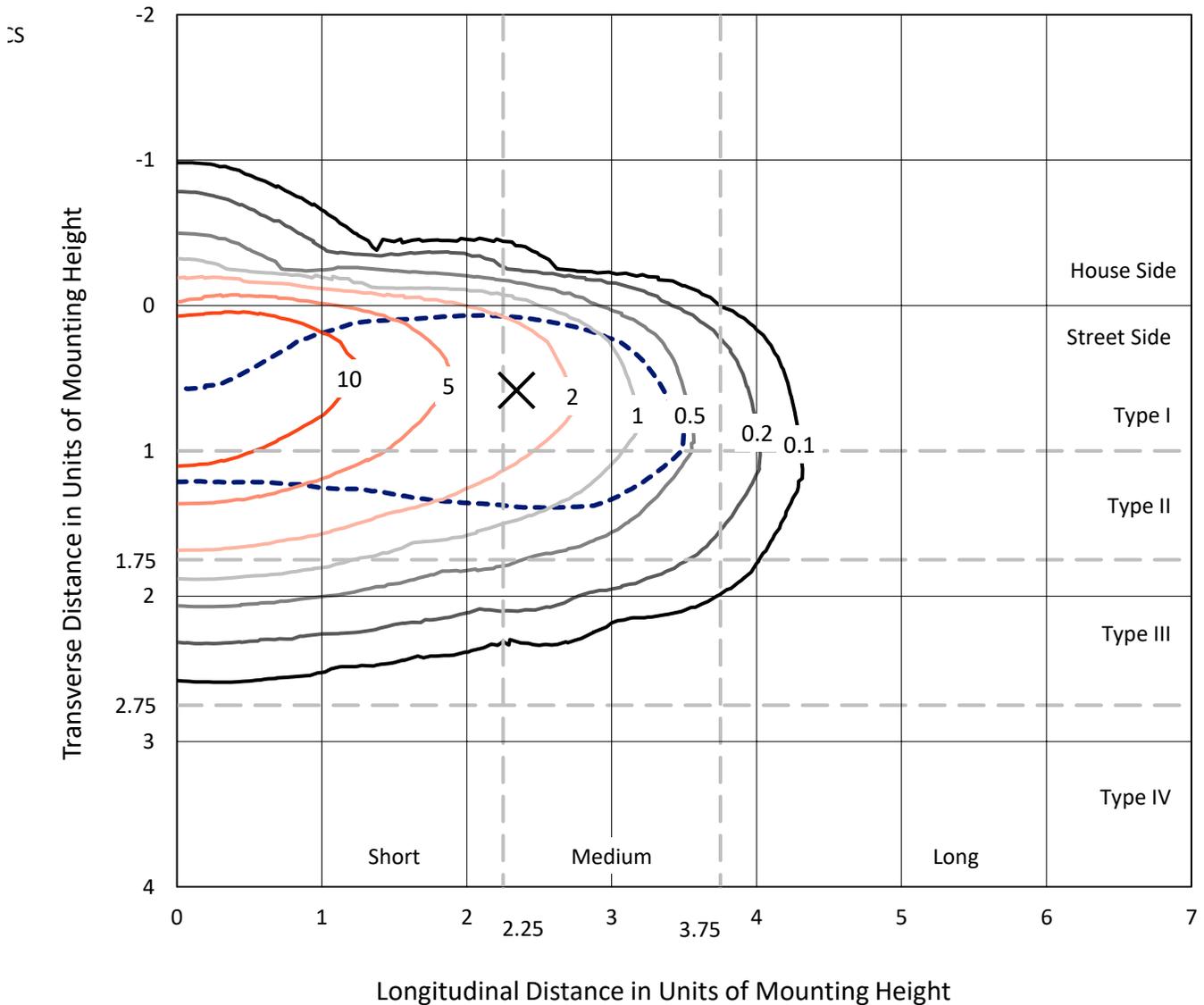
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

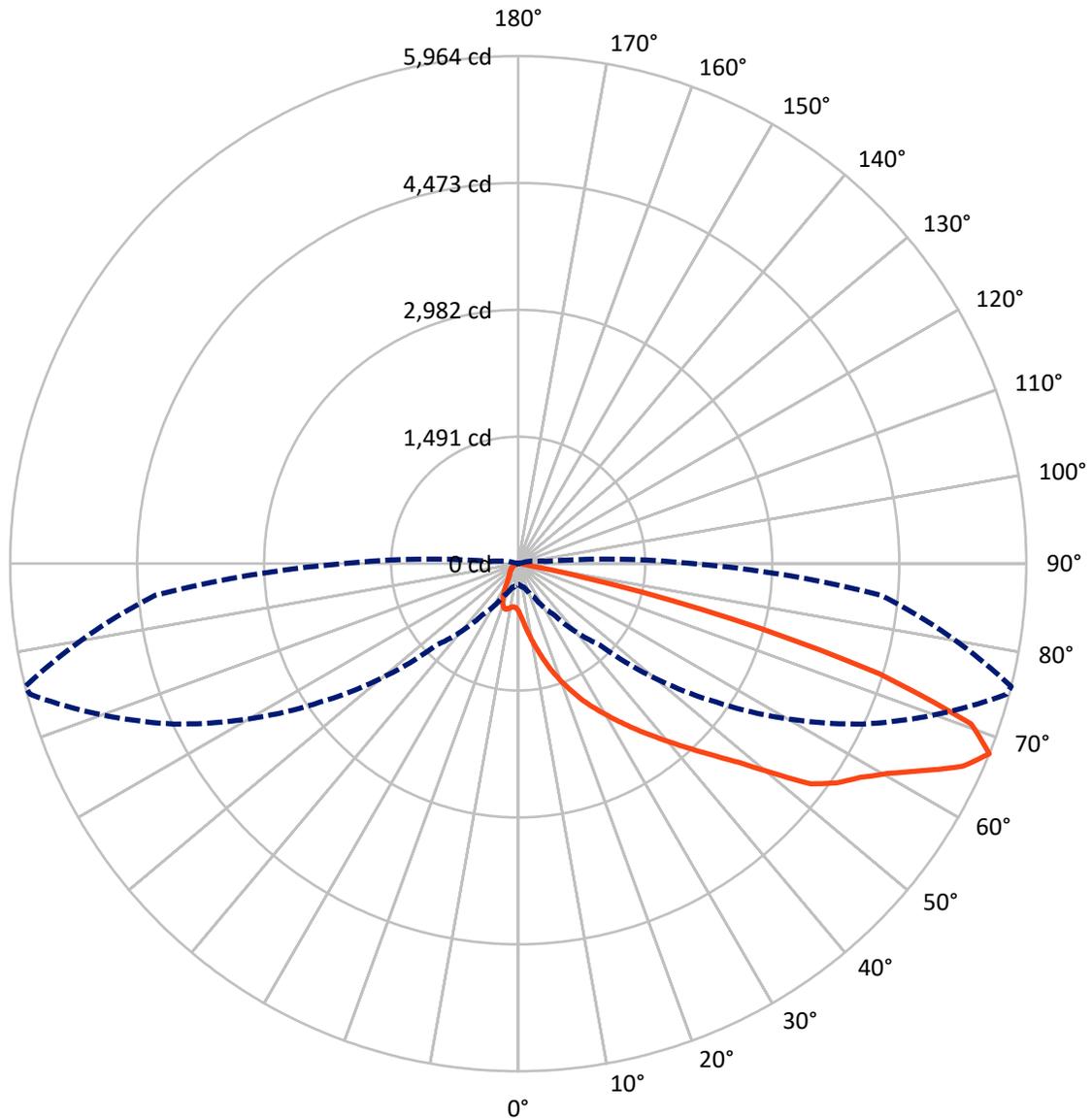


Based on 10 foot mounting height. Maximum calculated value = 19.6 fc
 Type II - Medium - N/A

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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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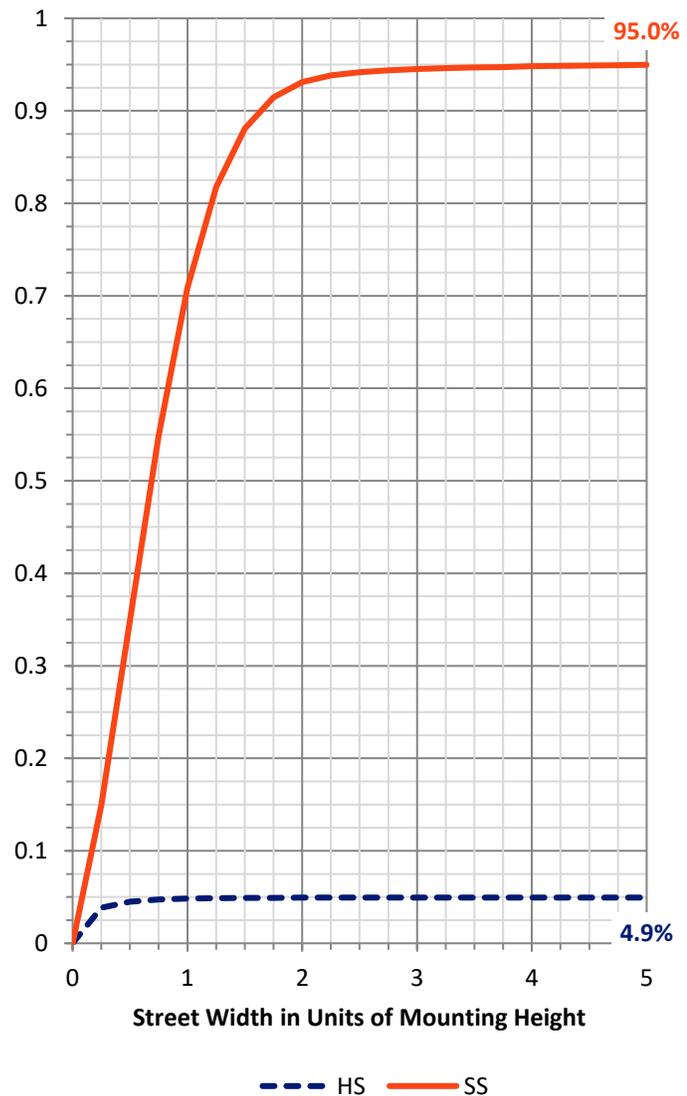
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	326.0	0.0	326.0
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6238.1	0.0	6238.1
	% Fixture	95.0	0.0	95.0
Total	Lumens	6564.0	0.0	6564.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.1
10°-20°	274.5	4.2
20°-30°	558.5	8.5
30°-40°	969.3	14.8
40°-50°	1369.5	20.9
50°-60°	1553.1	23.7
60°-70°	1288.1	19.6
70°-80°	466.6	7.1
80°-90°	15.1	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°	6564.0	100.0
0°-180°	6564.0	100.0



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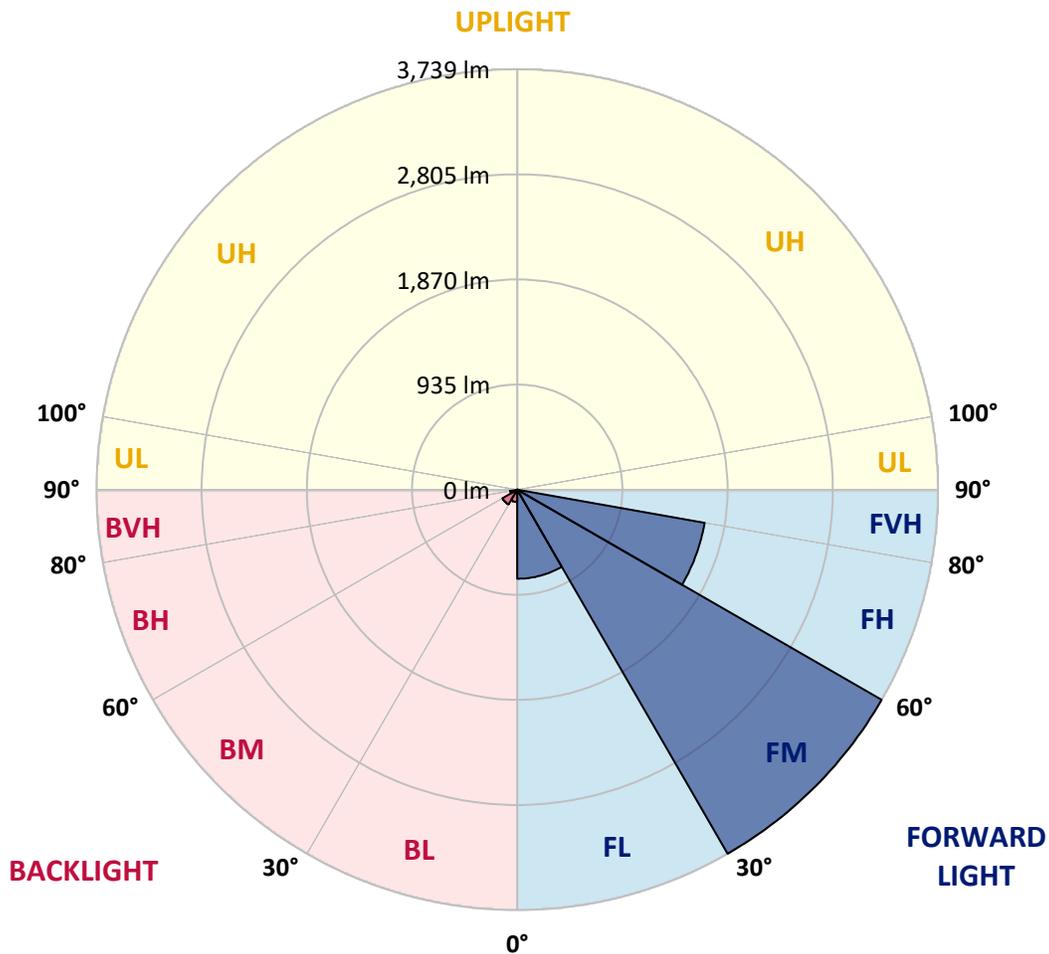
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	792.3	12.1			
FM	(30°-60°)	3739.4	57.0			
FH	(60°-80°)	1691.8	25.8			G1/1800
FVH	(80°-90°)	14.7	0.2			G1/100
BL	(0°-30°)	109.9	1.7	B0/110		
BM	(30°-60°)	152.6	2.3	B0/220		
BH	(60°-80°)	63.0	1.0	B0/110		G0/110
BVH	(80°-90°)	0.5	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°	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8
2.5°	831.2	812.5	816.8	804.7	782.9	738.0	699.8	663.5	621.2	619.8	585.0
5°	1120.8	1105.0	1103.0	1078.5	1038.9	962.6	888.4	803.9	709.5	702.6	628.7
7.5°	1383.7	1371.0	1366.4	1337.4	1263.5	1189.3	1092.6	968.4	820.8	808.2	687.7
10°	1585.6	1579.6	1580.7	1560.0	1496.7	1427.7	1300.9	1142.4	947.1	927.5	758.4
12.5°	1738.6	1740.1	1750.4	1737.8	1702.4	1651.2	1515.7	1327.9	1086.9	1060.1	839.3
15°	1851.1	1858.3	1877.2	1893.1	1890.5	1846.2	1721.9	1516.3	1235.3	1205.7	929.3
17.5°	1923.8	1931.9	1959.5	1994.6	2026.8	2016.4	1921.0	1698.1	1385.4	1351.2	1025.6
20°	1987.7	1997.2	2026.8	2073.1	2133.2	2146.2	2083.5	1874.4	1535.3	1493.6	1125.1
22.5°	2126.0	2125.7	2143.9	2170.9	2228.1	2261.5	2221.8	2038.0	1683.4	1640.0	1226.7
25°	2376.3	2366.8	2360.4	2339.2	2351.8	2372.5	2350.4	2191.0	1832.4	1788.4	1329.6
27.5°	2673.6	2679.4	2628.2	2571.0	2526.7	2505.4	2469.2	2332.8	1975.6	1927.3	1430.3
30°	2987.4	2989.2	2928.8	2855.7	2758.2	2677.4	2614.7	2468.3	2122.9	2070.2	1528.1
32.5°	3270.4	3259.2	3199.4	3099.9	2976.8	2885.9	2755.6	2619.6	2278.8	2227.8	1636.8
35°	3494.8	3481.5	3408.8	3318.2	3190.5	3099.0	2942.3	2770.6	2442.7	2392.9	1745.8
37.5°	3658.7	3643.2	3568.4	3475.2	3365.1	3311.9	3158.8	2934.8	2621.6	2568.1	1860.6
40°	3715.7	3702.1	3655.3	3587.1	3498.5	3486.4	3388.6	3123.8	2816.3	2759.4	1990.6
42.5°	3681.7	3668.5	3651.8	3628.8	3592.0	3603.5	3605.5	3339.2	3032.6	2976.5	2134.1
45°	3547.1	3535.3	3552.6	3586.2	3632.0	3688.9	3803.4	3570.7	3274.2	3214.4	2300.0
47.5°	3349.0	3340.3	3388.1	3472.1	3605.8	3762.8	3984.3	3814.0	3545.4	3489.9	2507.1
50°	3067.1	3065.7	3161.1	3314.4	3520.1	3798.5	4171.2	4090.7	3922.2	3863.8	2795.0
52.5°	2628.2	2631.1	2818.9	3064.2	3369.7	3774.3	4291.5	4446.2	4360.5	4299.8	3044.4
55°	2210.3	2227.6	2360.7	2714.5	3139.0	3684.6	4332.9	4612.1	4602.4	4544.8	3183.0
57.5°	1801.0	1832.4	1960.7	2291.1	2802.2	3477.8	4310.2	4684.1	4782.4	4738.4	3365.9
60°	1357.5	1371.9	1519.7	1828.6	2369.9	3100.5	4145.4	4723.2	5028.6	4998.1	3631.4
62.5°	863.7	899.7	1030.8	1328.8	1845.3	2576.4	3867.5	4722.6	5336.6	5353.3	3973.9
65°	455.0	497.0	566.6	823.4	1268.1	1991.1	3449.6	4678.3	5714.6	5737.9	4241.7
67.5°	245.3	257.4	294.2	427.4	735.4	1348.9	2835.6	4459.7	5933.4	5964.2	4279.1
70°	179.5	186.1	199.9	236.4	370.2	783.5	2069.1	3964.2	5651.3	5639.8	3801.9
72.5°	137.8	148.1	158.5	173.1	212.8	418.2	1288.2	3104.2	4509.2	4433.3	2841.9
75°	108.7	110.4	125.1	138.3	159.6	238.1	572.1	1807.9	2752.2	2572.4	1473.7
77.5°	86.9	88.0	96.6	108.1	128.3	156.5	177.2	711.3	878.7	784.0	319.8
80°	51.5	54.4	71.9	83.4	106.4	98.7	64.7	154.4	137.2	124.2	53.8
82.5°	28.8	31.1	40.6	65.9	74.2	47.2	32.2	41.7	32.2	31.3	15.2
85°	0.0	1.4	26.2	40.8	30.2	10.4	13.5	13.8	9.5	8.9	6.0
87.5°	0.0	0.0	8.1	7.8	1.2	1.7	3.2	4.6	3.7	3.7	3.2
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°	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8	556.8
2.5°	567.7	552.2	522.9	494.1	470.0	450.1	432.3	425.1	419.3	418.5	413.9
5°	593.1	561.7	505.6	459.6	428.8	407.0	388.3	376.8	367.9	364.4	361.2
7.5°	631.3	583.9	503.3	450.4	413.6	376.8	342.3	304.9	281.6	272.7	267.5
10°	677.9	613.2	511.9	447.8	383.4	305.7	248.5	201.0	181.8	175.4	173.7
12.5°	732.3	649.7	526.9	431.7	319.0	217.1	171.4	155.3	151.0	149.0	149.0
15°	794.7	689.7	537.5	385.1	235.8	164.2	148.4	140.9	136.3	133.7	134.0
17.5°	858.5	728.8	532.4	317.5	174.0	146.1	134.3	126.3	119.9	117.3	116.8
20°	922.9	765.0	503.6	236.4	147.3	132.6	119.4	110.4	104.1	101.5	101.0
22.5°	989.7	795.8	453.0	173.4	132.3	117.6	104.7	95.8	89.7	87.4	86.3
25°	1054.7	820.8	382.2	140.4	118.2	103.5	91.2	82.8	77.4	75.1	74.8
27.5°	1115.4	836.7	300.3	124.0	105.8	90.9	79.7	72.2	67.6	65.9	65.6
30°	1170.0	838.1	222.0	111.9	94.9	80.0	69.6	63.0	59.0	57.2	56.7
32.5°	1225.2	826.0	161.6	101.0	84.8	70.5	60.4	55.2	52.3	50.9	50.9
35°	1277.3	798.1	126.0	91.5	75.1	61.3	53.2	49.5	47.7	46.3	46.3
37.5°	1328.2	758.1	107.0	83.1	65.9	53.5	46.9	44.6	43.1	41.7	41.7
40°	1380.0	707.8	97.2	75.4	58.4	47.5	41.7	39.7	38.3	37.1	36.8
42.5°	1443.5	649.7	90.9	68.2	51.8	42.0	36.8	34.5	33.4	32.2	31.6
45°	1517.2	599.7	85.7	61.0	46.3	37.4	31.9	29.6	27.9	26.5	26.2
47.5°	1623.3	563.4	78.8	53.2	41.1	32.5	27.6	25.0	22.4	21.0	20.7
50°	1758.7	533.5	69.9	46.3	36.0	27.6	23.0	19.8	17.5	16.1	16.1
52.5°	1826.1	494.4	61.8	40.3	30.2	23.3	18.7	15.0	13.8	12.4	12.4
55°	1853.1	464.5	53.8	34.2	25.0	19.3	14.7	11.5	10.6	9.8	9.5
57.5°	1929.0	455.9	46.9	29.0	20.7	15.2	11.2	8.6	8.1	6.9	6.9
60°	2051.3	460.2	40.6	24.7	16.7	11.8	8.3	6.6	6.0	4.9	4.9
62.5°	2183.3	454.7	34.2	21.3	12.9	8.6	5.8	4.9	4.9	2.9	2.6
65°	2208.6	405.0	29.3	17.5	10.1	6.3	3.7	3.2	4.3	0.6	0.0
67.5°	2049.8	314.1	25.3	13.5	7.5	4.9	2.9	1.4	3.7	0.0	0.0
70°	1639.1	199.6	20.4	9.8	5.8	4.0	2.3	0.6	2.9	0.0	0.0
72.5°	1159.1	115.9	16.1	6.9	4.9	3.2	1.7	0.0	1.7	0.0	0.0
75°	586.2	61.8	10.1	5.2	3.7	2.3	1.2	0.0	0.3	0.0	0.0
77.5°	126.8	28.8	6.3	3.7	2.6	1.4	0.6	0.0	0.0	0.0	0.0
80°	27.6	12.7	4.0	2.3	1.4	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	10.1	6.6	2.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.5	3.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	1.2	0.3	0.3	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)