

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: P1208783

Luminaire Tested: UPW-SA2-070-730-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 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: 7149 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

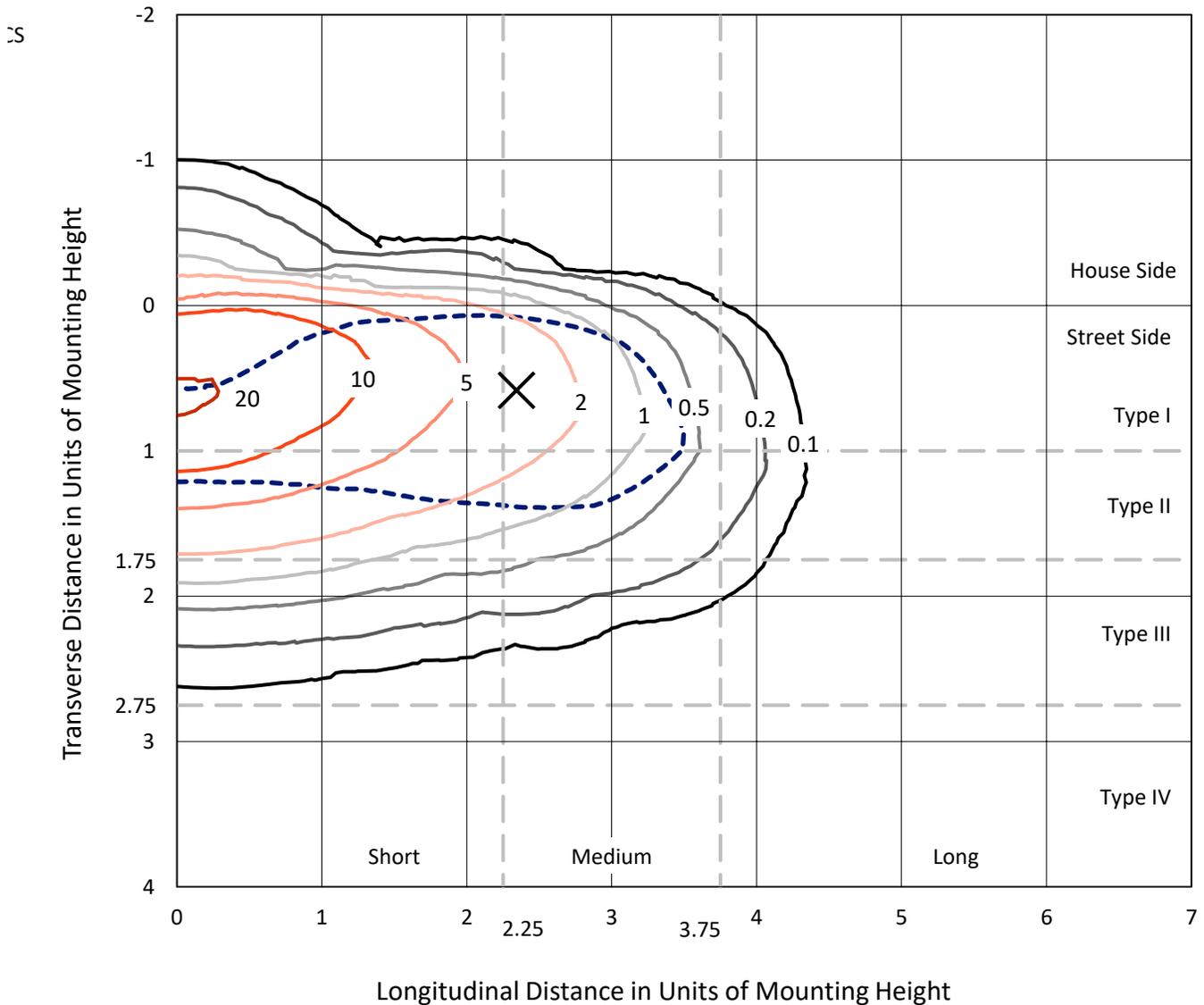
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208783
 CATALOG NUMBER: UPW-SA2-070-730-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

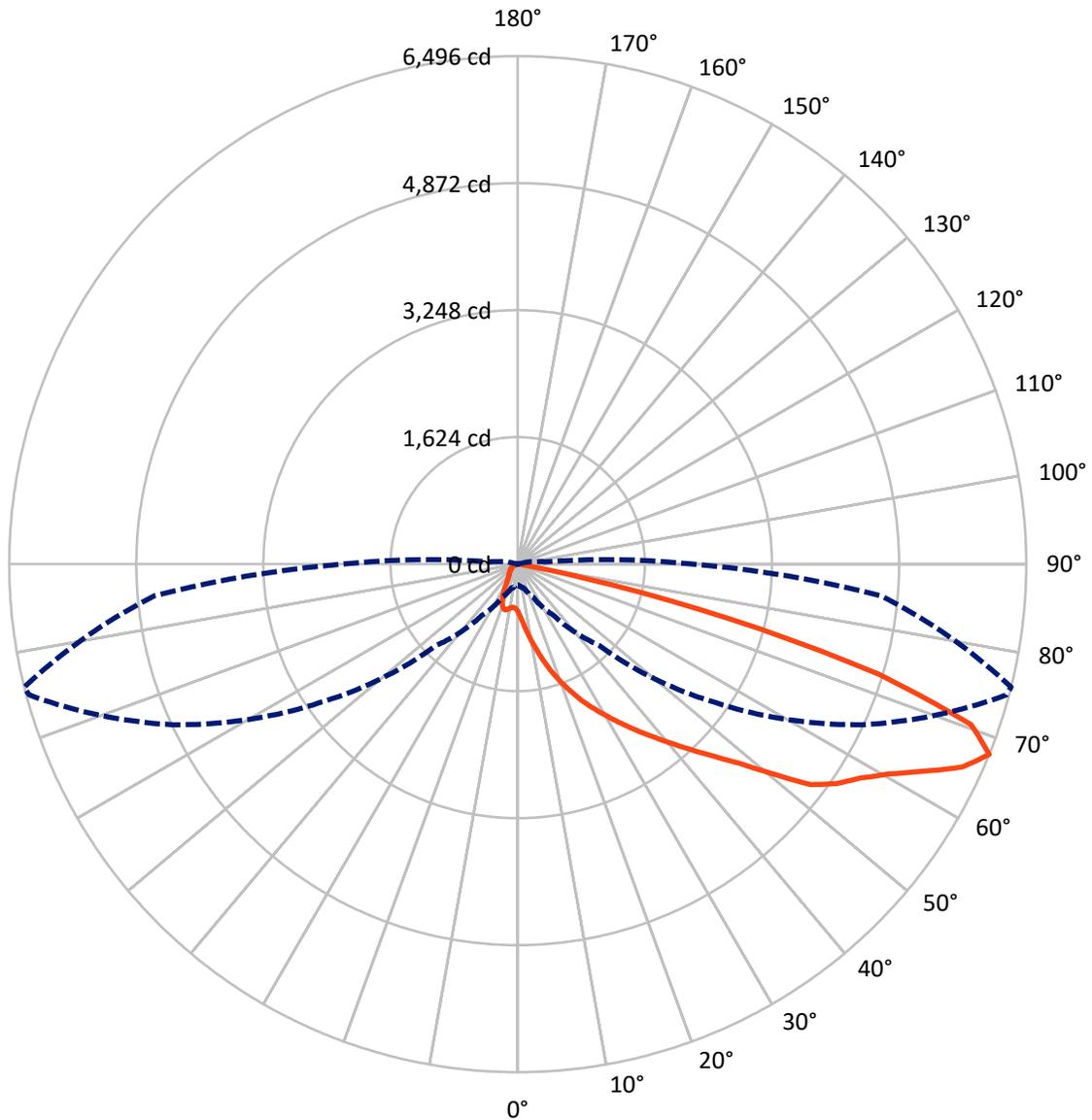
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P1208783
CATALOG NUMBER: UPW-SA2-070-730-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208783

CATALOG NUMBER: UPW-SA2-070-730-U-T2R-HSS

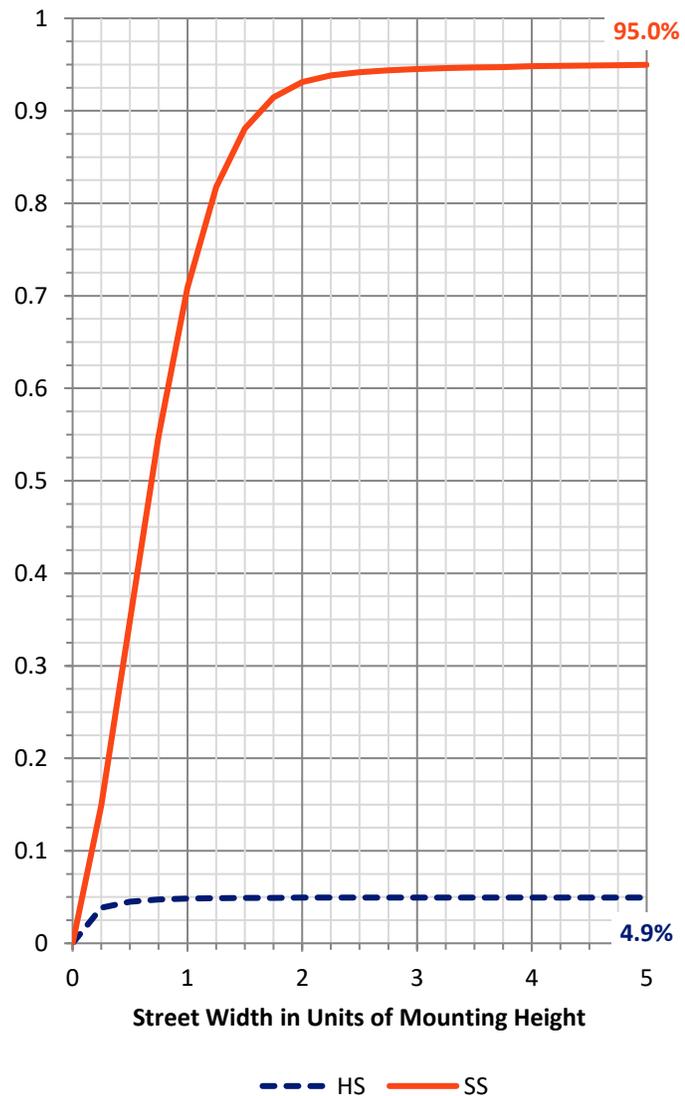
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	355.0	0.0	355.0
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6794.0	0.0	6794.0
	% Fixture	95.0	0.0	95.0
Total	Lumens	7149.0	0.0	7149.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	1.1
10°-20°	298.9	4.2
20°-30°	608.2	8.5
30°-40°	1055.7	14.8
40°-50°	1491.6	20.9
50°-60°	1691.5	23.7
60°-70°	1403.0	19.6
70°-80°	508.2	7.1
80°-90°	16.5	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°	7149.0	100.0
0°-180°	7149.0	100.0



REPORT NUMBER: P1208783

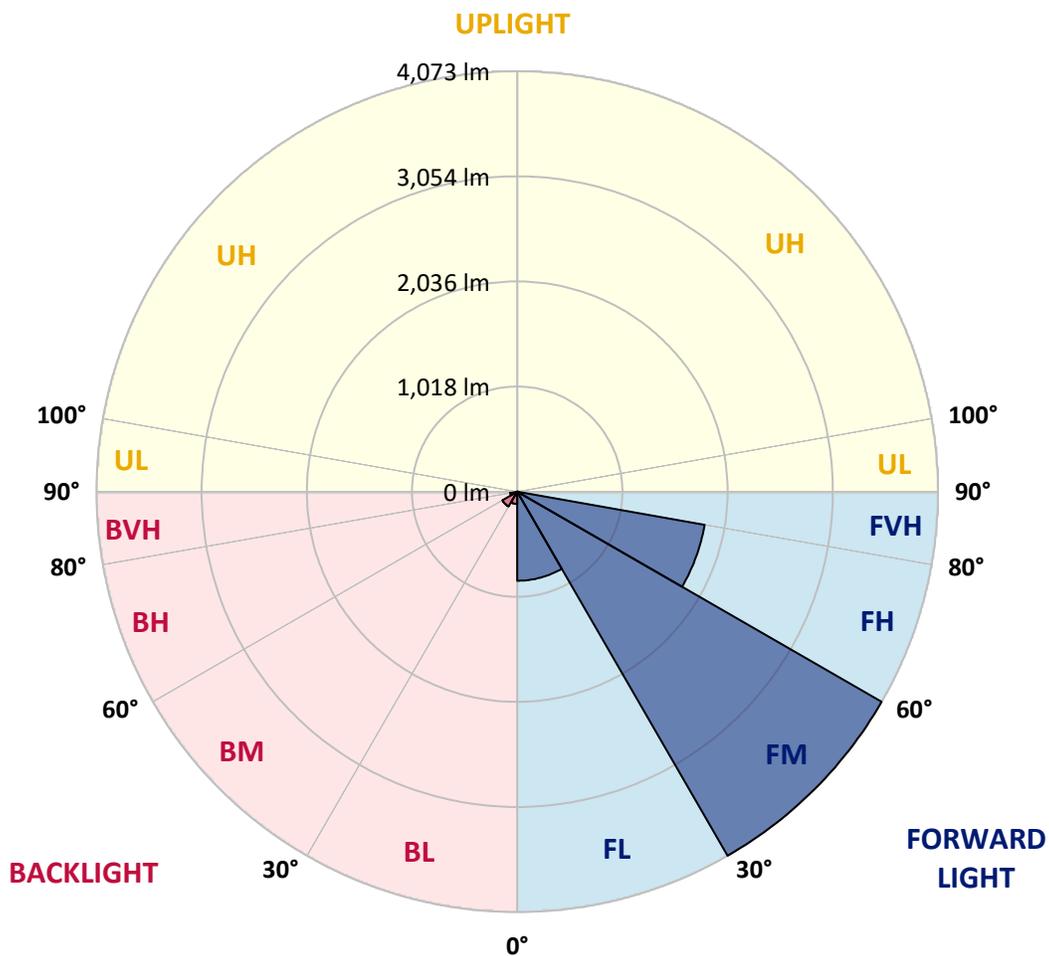
CATALOG NUMBER: UPW-SA2-070-730-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	862.9	12.1			
FM	(30°-60°)	4072.6	57.0			
FH	(60°-80°)	1842.5	25.8			G2/5000
FVH	(80°-90°)	16.0	0.2			G1/100
BL	(0°-30°)	119.7	1.7	B1/500		
BM	(30°-60°)	166.2	2.3	B0/220		
BH	(60°-80°)	68.6	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: B1-U0-G2

Type II Medium





REPORT NUMBER: P1208783

CATALOG NUMBER: UPW-SA2-070-730-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4
2.5°	905.3	884.9	889.6	876.5	852.7	803.8	762.1	722.7	676.6	675.0	637.1
5°	1220.7	1203.5	1201.3	1174.7	1131.4	1048.4	967.6	875.5	772.8	765.3	684.8
7.5°	1507.0	1493.2	1488.2	1456.6	1376.1	1295.3	1190.0	1054.7	894.0	880.2	749.0
10°	1726.9	1720.3	1721.6	1699.0	1630.1	1554.9	1416.8	1244.2	1031.5	1010.2	826.0
12.5°	1893.6	1895.1	1906.4	1892.6	1854.1	1798.3	1650.8	1446.3	1183.8	1154.6	914.0
15°	2016.0	2023.9	2044.5	2061.8	2059.0	2010.7	1875.4	1651.4	1345.4	1313.1	1012.1
17.5°	2095.3	2104.1	2134.1	2172.4	2207.4	2196.2	2092.2	1849.4	1508.9	1471.6	1117.0
20°	2164.8	2175.2	2207.4	2257.9	2323.3	2337.4	2269.1	2041.4	1672.1	1626.7	1225.4
22.5°	2315.5	2315.2	2334.9	2364.4	2426.7	2463.0	2419.8	2219.7	1833.4	1786.1	1336.0
25°	2588.0	2577.7	2570.8	2547.6	2561.4	2584.0	2559.8	2386.3	1995.7	1947.8	1448.1
27.5°	2911.9	2918.2	2862.4	2800.1	2751.9	2728.7	2689.2	2540.7	2151.7	2099.1	1557.8
30°	3253.7	3255.6	3189.8	3110.2	3004.0	2916.0	2847.7	2688.3	2312.1	2254.7	1664.3
32.5°	3561.9	3549.7	3484.5	3376.2	3242.1	3143.1	3001.2	2853.0	2481.8	2426.4	1782.7
35°	3806.2	3791.8	3712.6	3613.9	3474.8	3375.2	3204.5	3017.5	2660.4	2606.2	1901.4
37.5°	3984.8	3967.9	3886.4	3784.9	3665.0	3607.0	3440.4	3196.4	2855.2	2797.0	2026.4
40°	4046.8	4032.1	3981.0	3906.8	3810.3	3797.2	3690.7	3402.2	3067.3	3005.3	2168.0
42.5°	4009.8	3995.4	3977.3	3952.2	3912.1	3924.6	3926.8	3636.8	3302.9	3241.8	2324.3
45°	3863.3	3850.4	3869.2	3905.9	3955.7	4017.7	4142.4	3888.9	3566.0	3500.8	2505.0
47.5°	3647.4	3638.0	3690.0	3781.5	3927.2	4098.2	4339.4	4153.9	3861.4	3800.9	2730.6
50°	3340.4	3338.9	3442.9	3609.8	3833.8	4137.0	4543.0	4455.3	4271.7	4208.1	3044.1
52.5°	2862.4	2865.6	3070.1	3337.3	3670.0	4110.7	4673.9	4842.5	4749.1	4683.0	3315.7
55°	2407.3	2426.1	2571.1	2956.4	3418.8	4013.0	4719.0	5023.2	5012.5	4949.9	3466.7
57.5°	1961.5	1995.7	2135.4	2495.3	3051.9	3787.8	4694.3	5101.5	5208.6	5160.7	3665.9
60°	1478.5	1494.2	1655.2	1991.6	2581.1	3376.8	4514.8	5144.1	5476.8	5443.6	3955.0
62.5°	940.7	979.8	1122.7	1447.2	2009.8	2806.0	4212.2	5143.5	5812.3	5830.4	4328.1
65°	495.6	541.3	617.1	896.8	1381.1	2168.6	3757.1	5095.2	6223.9	6249.2	4619.7
67.5°	267.2	280.4	320.4	465.5	801.0	1469.1	3088.3	4857.2	6462.2	6495.8	4660.5
70°	195.5	202.7	217.7	257.5	403.1	853.3	2253.5	4317.5	6155.0	6142.4	4140.8
72.5°	150.0	161.3	172.6	188.6	231.8	455.5	1403.0	3380.9	4911.1	4828.4	3095.2
75°	118.4	120.3	136.3	150.7	173.9	259.4	623.0	1969.1	2997.4	2801.7	1605.1
77.5°	94.6	95.9	105.3	117.8	139.7	170.4	193.0	774.7	957.0	853.9	348.3
80°	56.1	59.2	78.3	90.8	115.9	107.4	70.5	168.2	149.4	135.3	58.6
82.5°	31.3	33.8	44.2	71.7	80.8	51.4	35.1	45.4	35.1	34.1	16.6
85°	0.0	1.6	28.5	44.5	32.9	11.3	14.7	15.0	10.3	9.7	6.6
87.5°	0.0	0.0	8.8	8.5	1.3	1.9	3.4	5.0	4.1	4.1	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



REPORT NUMBER: P1208783

CATALOG NUMBER: UPW-SA2-070-730-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4	606.4
2.5°	618.3	601.4	569.5	538.2	511.8	490.2	470.8	463.0	456.7	455.8	450.8
5°	645.9	611.8	550.7	500.6	467.0	443.2	422.9	410.4	400.6	396.9	393.4
7.5°	687.6	635.9	548.2	490.5	450.4	410.4	372.8	332.0	306.7	297.0	291.3
10°	738.3	667.8	557.6	487.7	417.6	333.0	270.6	219.0	198.0	191.1	189.2
12.5°	797.5	707.6	573.9	470.2	347.4	236.5	186.7	169.2	164.5	162.3	162.3
15°	865.5	751.2	585.5	419.4	256.9	178.9	161.6	153.5	148.5	145.7	146.0
17.5°	935.0	793.8	579.8	345.8	189.5	159.1	146.3	137.5	130.6	127.8	127.2
20°	1005.2	833.2	548.5	257.5	160.4	144.4	130.0	120.3	113.4	110.6	109.9
22.5°	1077.9	866.7	493.4	188.9	144.1	128.1	114.0	104.3	97.7	95.2	94.0
25°	1148.7	894.0	416.3	152.9	128.7	112.8	99.3	90.2	84.3	81.8	81.4
27.5°	1214.8	911.2	327.0	135.0	115.3	99.0	86.8	78.6	73.6	71.7	71.4
30°	1274.3	912.8	241.8	121.9	103.4	87.1	75.8	68.6	64.2	62.3	61.7
32.5°	1334.4	899.6	176.0	109.9	92.4	76.7	65.8	60.1	57.0	55.4	55.4
35°	1391.1	869.3	137.2	99.6	81.8	66.7	58.0	53.9	52.0	50.4	50.4
37.5°	1446.6	825.7	116.5	90.5	71.7	58.3	51.1	48.6	47.0	45.4	45.4
40°	1502.9	770.9	105.9	82.1	63.6	51.7	45.4	43.2	41.7	40.4	40.1
42.5°	1572.2	707.6	99.0	74.2	56.4	45.7	40.1	37.6	36.3	35.1	34.5
45°	1652.4	653.1	93.3	66.4	50.4	40.7	34.8	32.3	30.4	28.8	28.5
47.5°	1768.0	613.6	85.8	58.0	44.8	35.4	30.1	27.3	24.4	22.9	22.6
50°	1915.5	581.1	76.1	50.4	39.2	30.1	25.1	21.6	19.1	17.5	17.5
52.5°	1988.8	538.5	67.3	43.9	32.9	25.4	20.4	16.3	15.0	13.5	13.5
55°	2018.2	505.9	58.6	37.3	27.3	21.0	16.0	12.5	11.6	10.7	10.3
57.5°	2100.9	496.5	51.1	31.6	22.6	16.6	12.2	9.4	8.8	7.5	7.5
60°	2234.1	501.2	44.2	26.9	18.2	12.8	9.1	7.2	6.6	5.3	5.3
62.5°	2377.8	495.2	37.3	23.2	14.1	9.4	6.3	5.3	5.3	3.1	2.8
65°	2405.4	441.0	32.0	19.1	11.0	6.9	4.1	3.4	4.7	0.6	0.0
67.5°	2232.5	342.1	27.6	14.7	8.1	5.3	3.1	1.6	4.1	0.0	0.0
70°	1785.2	217.4	22.2	10.7	6.3	4.4	2.5	0.6	3.1	0.0	0.0
72.5°	1262.4	126.2	17.5	7.5	5.3	3.4	1.9	0.0	1.9	0.0	0.0
75°	638.4	67.3	11.0	5.6	4.1	2.5	1.3	0.0	0.3	0.0	0.0
77.5°	138.1	31.3	6.9	4.1	2.8	1.6	0.6	0.0	0.0	0.0	0.0
80°	30.1	13.8	4.4	2.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	11.0	7.2	2.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.0	3.8	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	1.3	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)