

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: P1209499

Luminaire Tested: UPW-SA2-130-730-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-730-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10349 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

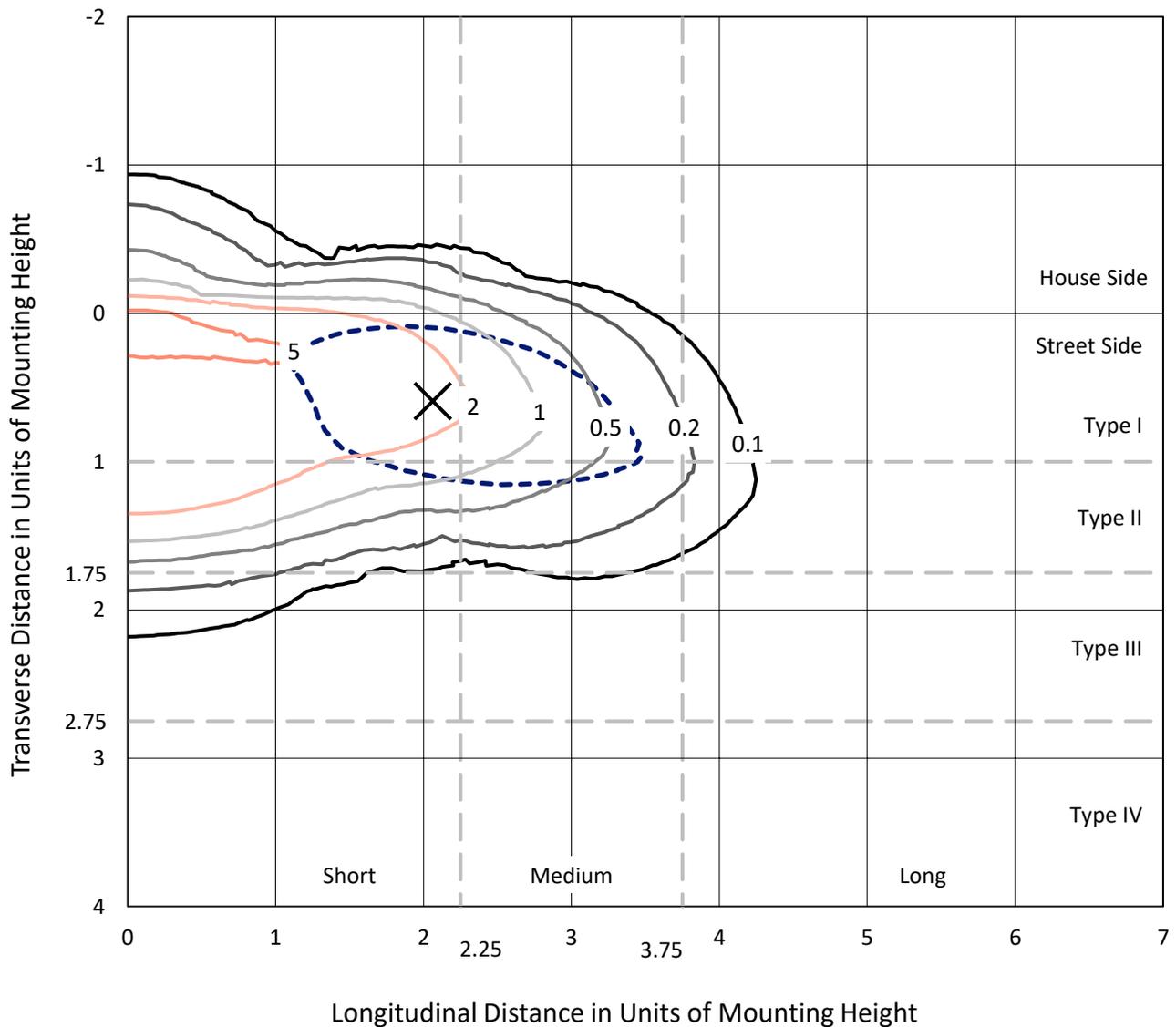
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

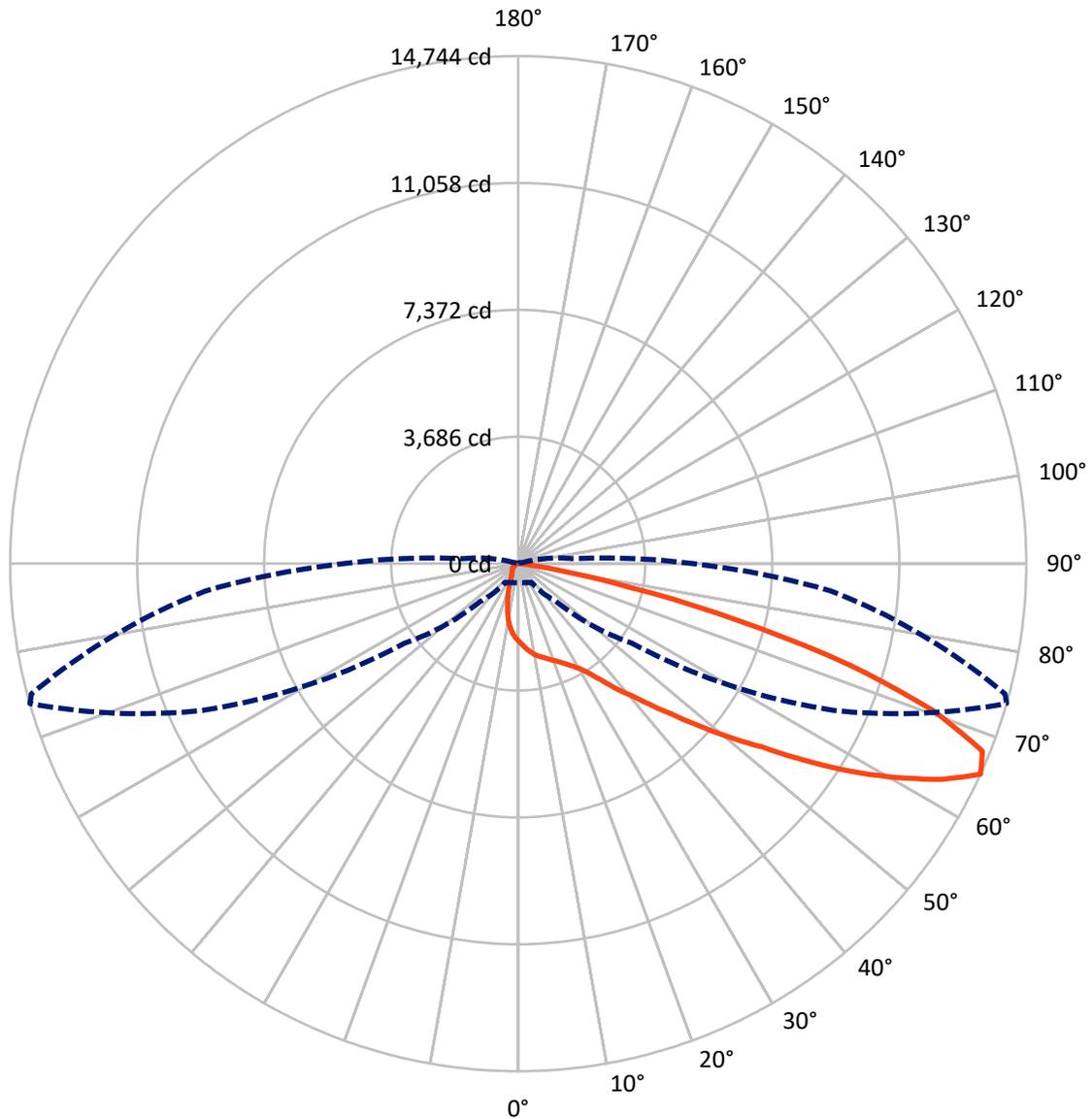
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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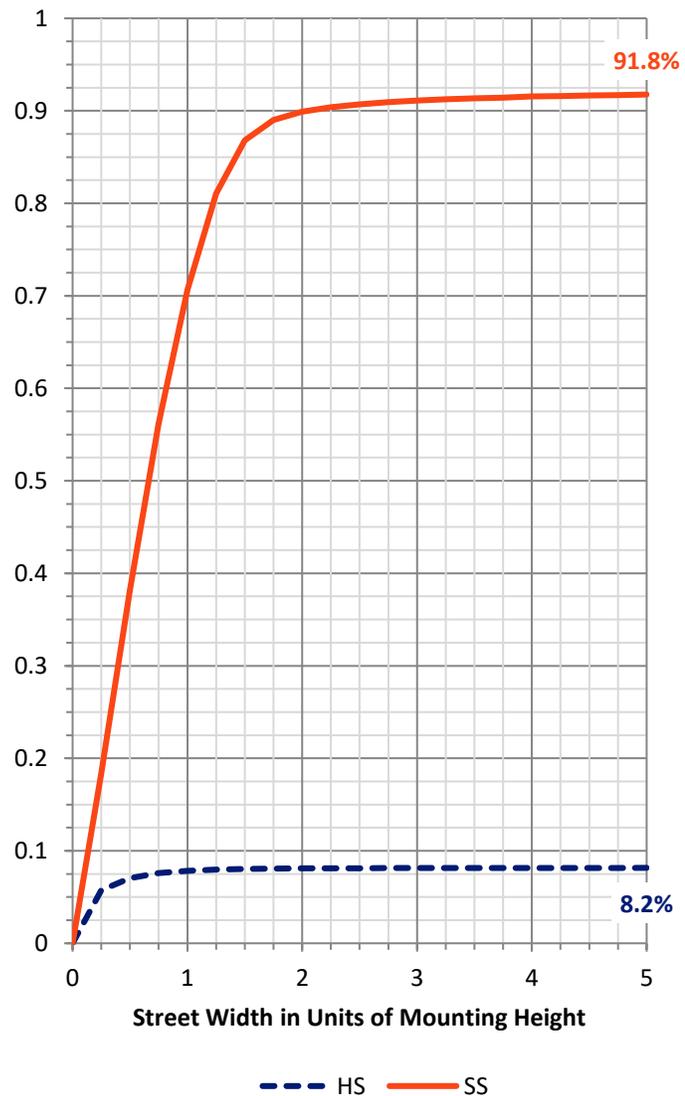
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.7	0.0	850.7
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	9498.3	0.0	9498.3
	% Fixture	91.8	0.0	91.8
Total	Lumens	10349.0	0.0	10349.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	1.9
10°-20°	471.6	4.6
20°-30°	735.3	7.1
30°-40°	1160.7	11.2
40°-50°	1805.4	17.4
50°-60°	2609.8	25.2
60°-70°	2358.9	22.8
70°-80°	948.2	9.2
80°-90°	66.6	0.6
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°	10349.0	100.0
0°-180°	10349.0	100.0



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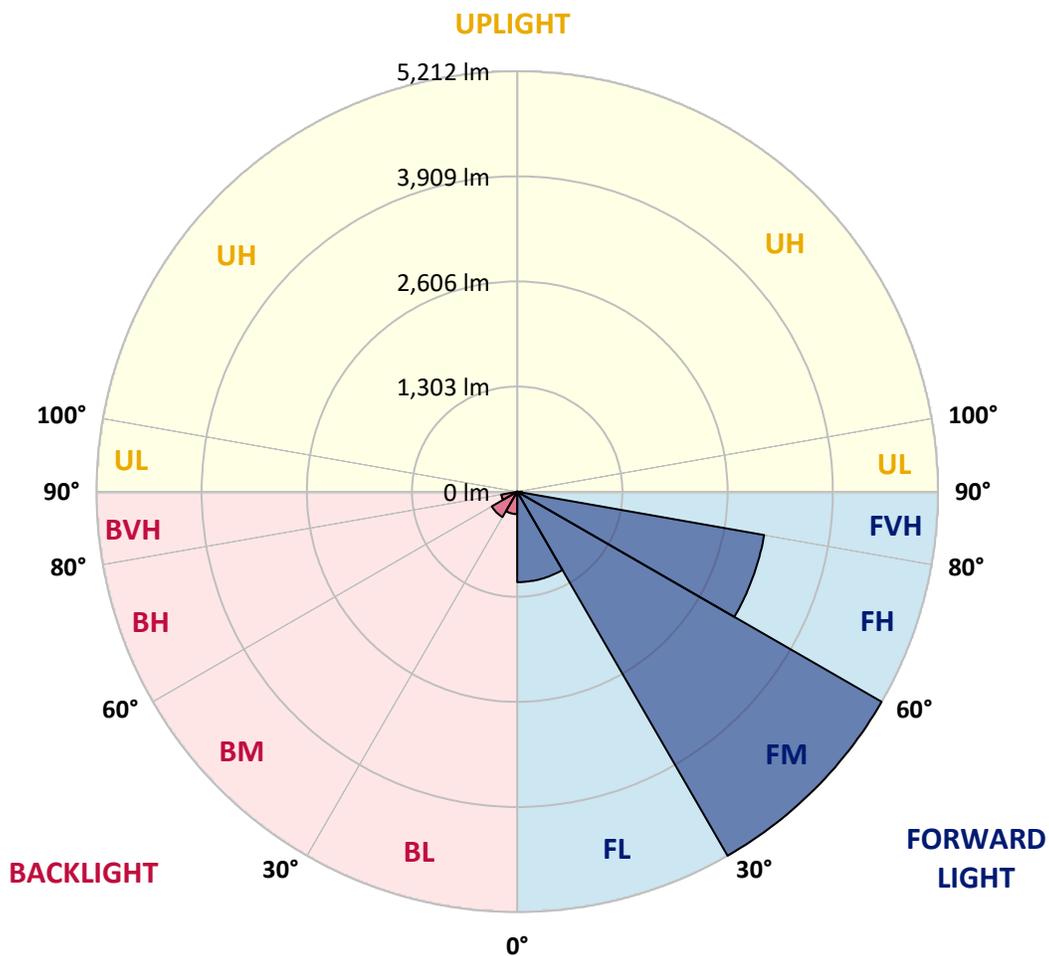
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1121.2	10.8			
FM	(30°-60°)	5211.9	50.4			
FH	(60°-80°)	3106.1	30.0			G2/5000
FVH	(80°-90°)	59.1	0.6			G1/100
BL	(0°-30°)	278.3	2.7	B1/500		
BM	(30°-60°)	364.0	3.5	B1/1000		
BH	(60°-80°)	201.0	1.9	B1/500		G1/500
BVH	(80°-90°)	7.5	0.1			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8
2.5°	2544.4	2534.9	2539.6	2519.0	2515.9	2495.3	2449.4	2403.5	2360.8	2349.7	2297.5
5°	2729.5	2724.8	2720.0	2716.8	2702.6	2686.8	2621.9	2560.2	2481.1	2466.8	2357.7
7.5°	2778.5	2773.8	2783.3	2799.1	2808.6	2800.7	2753.2	2693.1	2593.4	2577.6	2419.4
10°	2669.4	2664.6	2707.3	2769.1	2826.0	2867.2	2849.8	2796.0	2691.5	2675.7	2462.1
12.5°	2428.9	2422.5	2492.1	2618.7	2753.2	2870.3	2905.1	2868.7	2770.6	2753.2	2496.9
15°	2208.9	2199.4	2269.0	2397.2	2566.5	2792.8	2925.7	2936.8	2835.5	2824.4	2534.9
17.5°	2091.8	2093.4	2136.1	2242.1	2405.1	2652.0	2903.6	3000.1	2922.5	2908.3	2576.0
20°	2139.3	2142.5	2147.2	2188.3	2286.4	2528.5	2854.5	3068.1	3008.0	2992.2	2628.2
22.5°	2277.0	2284.9	2272.2	2250.1	2262.7	2438.4	2803.9	3142.5	3106.1	3090.3	2664.6
25°	2533.3	2523.8	2484.2	2395.6	2332.3	2411.5	2786.5	3227.9	3229.5	3210.5	2708.9
27.5°	2838.7	2813.4	2765.9	2625.1	2470.0	2455.8	2781.7	3319.7	3373.5	3346.6	2759.6
30°	3098.2	3085.5	3027.0	2897.2	2664.6	2558.6	2794.4	3408.3	3544.4	3530.1	2826.0
32.5°	3265.9	3262.7	3220.0	3133.0	2928.9	2724.8	2849.8	3528.6	3802.3	3754.8	2952.6
35°	3406.7	3392.5	3359.3	3302.3	3178.9	2951.0	2966.8	3721.6	4150.4	4136.2	3155.1
37.5°	3566.5	3549.1	3509.6	3438.4	3352.9	3218.4	3153.6	3971.6	4593.5	4587.1	3422.6
40°	3751.7	3740.6	3701.0	3606.1	3500.1	3419.4	3348.2	4229.5	5022.3	4978.0	3669.4
42.5°	3933.6	3936.8	3906.7	3808.6	3664.6	3555.5	3579.2	4492.2	5580.8	5558.7	4053.9
45°	4140.9	4129.8	4114.0	4042.8	3887.8	3663.1	3800.7	4856.1	6229.6	6285.0	4612.5
47.5°	4286.5	4283.3	4315.0	4261.2	4133.0	3835.5	4028.6	5307.1	7027.1	7079.3	5226.4
50°	4324.5	4319.7	4425.7	4470.0	4465.3	4169.4	4341.9	5878.3	7903.7	7895.8	5913.1
52.5°	4080.8	4091.9	4297.6	4533.3	4753.3	4683.7	4906.8	6664.7	8840.4	8867.3	6558.7
55°	3381.4	3451.0	3678.9	4224.8	4803.9	5207.4	5634.6	7747.0	10076.2	10005.0	7066.6
57.5°	2120.3	2083.9	2468.4	3259.6	4180.5	5247.0	6223.3	8834.1	11395.8	11305.7	7813.5
60°	1080.7	1033.3	1257.9	1818.1	2902.0	4409.9	6235.9	9781.9	12612.7	12511.4	8568.2
62.5°	661.4	653.5	699.4	887.7	1503.2	2974.8	5403.6	10354.7	13802.6	13721.9	9079.3
65°	557.0	555.4	572.8	602.9	666.2	1544.3	4031.7	10074.6	14744.0	14626.9	9109.4
67.5°	493.7	493.7	530.1	544.3	443.0	664.6	2473.2	8910.0	14524.1	14501.9	8474.9
70°	425.6	419.3	469.9	512.7	368.7	341.8	1273.8	7158.4	12759.8	12832.6	7218.5
72.5°	321.2	327.5	379.8	436.7	302.2	240.5	582.3	5009.6	10047.7	10082.5	5672.6
75°	242.1	248.4	294.3	357.6	243.7	182.0	321.2	3254.8	6580.9	6660.0	3313.4
77.5°	185.1	186.7	232.6	295.9	188.3	139.2	216.8	1808.6	3335.5	3264.3	1288.0
80°	128.2	132.9	182.0	229.4	150.3	104.4	145.6	783.2	1204.1	1110.8	400.3
82.5°	47.5	61.7	128.2	166.1	106.0	74.4	107.6	314.9	352.9	330.7	147.2
85°	7.9	7.9	69.6	121.8	57.0	44.3	68.0	109.2	115.5	121.8	76.0
87.5°	0.0	0.0	7.9	26.9	9.5	6.3	19.0	26.9	55.4	61.7	41.1
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°	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8
2.5°	2262.7	2229.5	2163.0	2106.1	2017.5	1939.9	1890.9	1852.9	1824.4	1791.2	1758.0
5°	2288.0	2210.5	2047.5	1864.0	1675.7	1506.4	1367.1	1240.5	1158.3	1148.8	1109.2
7.5°	2310.2	2186.8	1911.4	1585.5	1297.5	1052.2	879.8	773.8	682.0	653.5	666.2
10°	2310.2	2145.6	1731.1	1283.3	936.7	686.7	560.1	490.5	465.2	454.1	444.6
12.5°	2303.9	2079.2	1504.8	1000.0	651.9	500.0	443.0	417.7	403.5	397.2	394.0
15°	2294.4	1998.5	1281.7	746.9	498.4	428.8	400.3	381.3	368.7	362.4	357.6
17.5°	2288.0	1914.6	1079.1	566.5	430.4	390.8	367.1	348.1	337.0	327.5	326.0
20°	2269.0	1816.5	882.9	465.2	390.8	357.6	332.3	314.9	303.8	292.7	292.7
22.5°	2239.0	1677.3	697.8	405.1	357.6	324.4	297.5	280.1	269.0	262.7	259.5
25°	2201.0	1539.6	553.8	370.3	326.0	289.6	265.8	248.4	238.9	235.8	232.6
27.5°	2158.3	1401.9	455.7	341.8	295.9	261.1	234.2	221.5	215.2	212.0	208.9
30°	2123.5	1276.9	395.6	318.0	267.4	232.6	208.9	197.8	193.0	191.5	188.3
32.5°	2126.6	1170.9	354.4	291.1	245.3	210.4	186.7	175.6	175.6	174.1	174.1
35°	2185.2	1104.5	326.0	267.4	221.5	188.3	167.7	158.2	161.4	161.4	159.8
37.5°	2248.5	1038.0	299.1	242.1	201.0	167.7	147.2	142.4	144.0	145.6	145.6
40°	2330.8	988.9	276.9	218.4	180.4	150.3	132.9	128.2	128.2	128.2	126.6
42.5°	2517.5	984.2	257.9	197.8	161.4	132.9	120.3	113.9	110.8	109.2	106.0
45°	2780.1	1019.0	245.3	178.8	142.4	120.3	109.2	101.3	91.8	87.0	85.4
47.5°	3118.7	1109.2	234.2	161.4	125.0	109.2	98.1	87.0	74.4	68.0	66.5
50°	3541.2	1250.0	223.1	147.2	112.3	98.1	85.4	71.2	58.5	52.2	52.2
52.5°	3936.8	1416.2	212.0	134.5	99.7	90.2	72.8	57.0	45.9	41.1	39.6
55°	4292.8	1602.9	199.4	120.3	90.2	79.1	60.1	44.3	33.2	28.5	26.9
57.5°	4721.6	1838.7	183.5	106.0	80.7	68.0	47.5	31.6	22.2	15.8	14.2
60°	5190.0	1957.3	163.0	93.4	69.6	57.0	36.4	22.2	12.7	6.3	6.3
62.5°	5341.9	1898.8	137.7	80.7	60.1	45.9	26.9	14.2	4.7	0.0	0.0
65°	5065.0	1626.6	117.1	71.2	52.2	34.8	19.0	7.9	0.0	0.0	0.0
67.5°	4427.3	1265.9	96.5	61.7	44.3	28.5	12.7	1.6	0.0	0.0	0.0
70°	3655.2	938.3	80.7	50.6	38.0	22.2	7.9	0.0	0.0	0.0	0.0
72.5°	2821.3	666.2	69.6	42.7	31.6	17.4	4.7	0.0	0.0	0.0	0.0
75°	1593.4	357.6	63.3	42.7	28.5	14.2	3.2	0.0	0.0	0.0	0.0
77.5°	658.2	164.6	55.4	42.7	28.5	15.8	4.7	0.0	0.0	0.0	0.0
80°	205.7	83.9	47.5	44.3	30.1	17.4	4.7	0.0	0.0	0.0	0.0
82.5°	96.5	64.9	49.1	41.1	26.9	15.8	4.7	0.0	0.0	0.0	0.0
85°	50.6	33.2	34.8	34.8	23.7	14.2	4.7	0.0	0.0	0.0	0.0
87.5°	14.2	1.6	0.0	0.0	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)