

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: P1209580

Luminaire Tested: UPW-SA2-130-750-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209580  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-750-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 5000K, 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: 11365 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

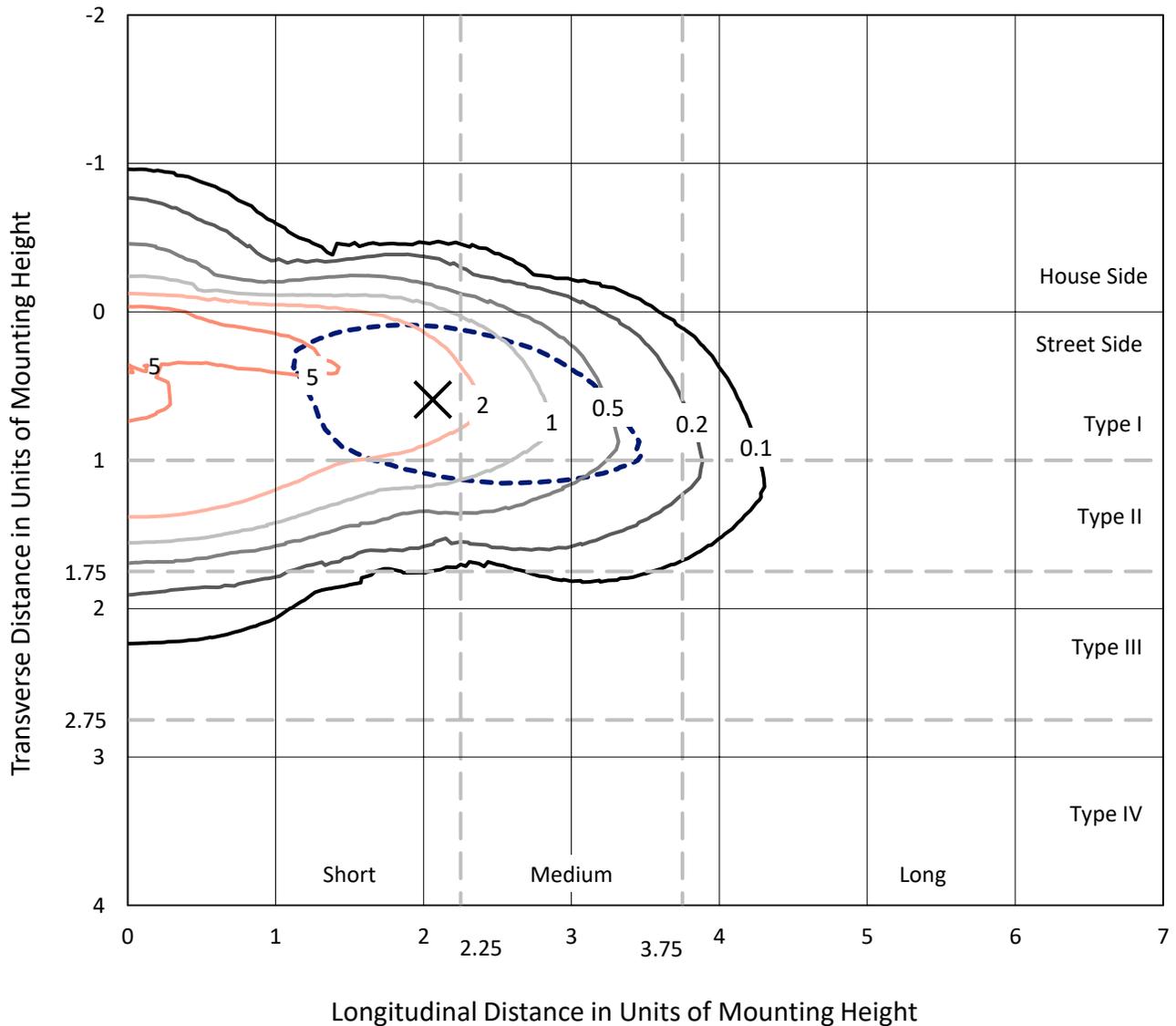
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

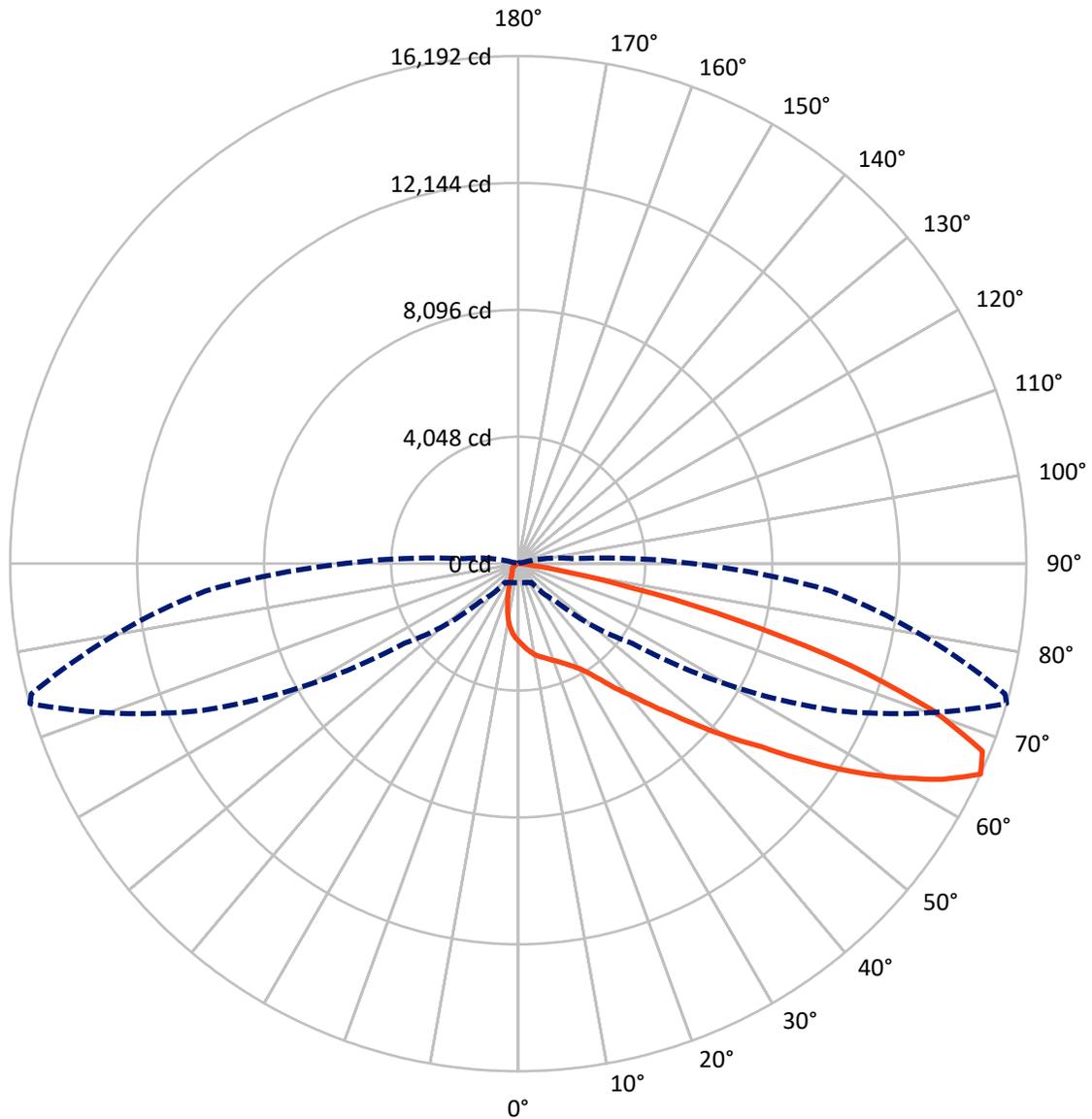
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 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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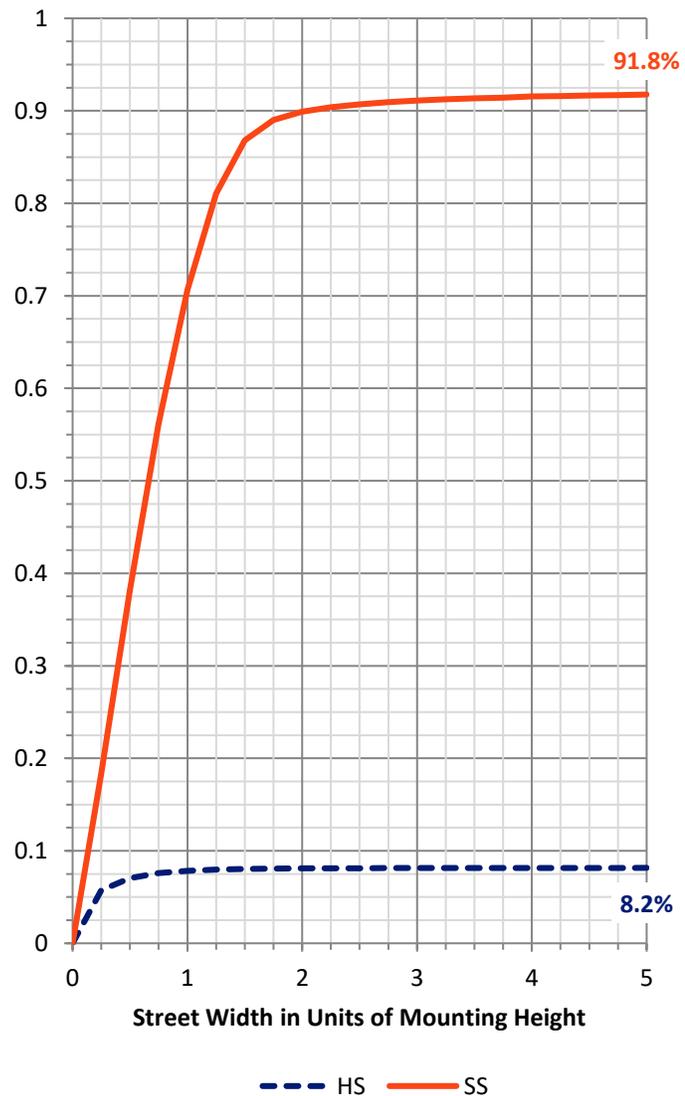
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	934.3	0.0	934.3
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	10430.7	0.0	10430.7
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	11365.0	0.0	11365.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.4	1.9
10°-20°	517.9	4.6
20°-30°	807.5	7.1
30°-40°	1274.7	11.2
40°-50°	1982.7	17.4
50°-60°	2866.0	25.2
60°-70°	2590.5	22.8
70°-80°	1041.2	9.2
80°-90°	73.1	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°	11365.0	100.0
0°-180°	11365.0	100.0



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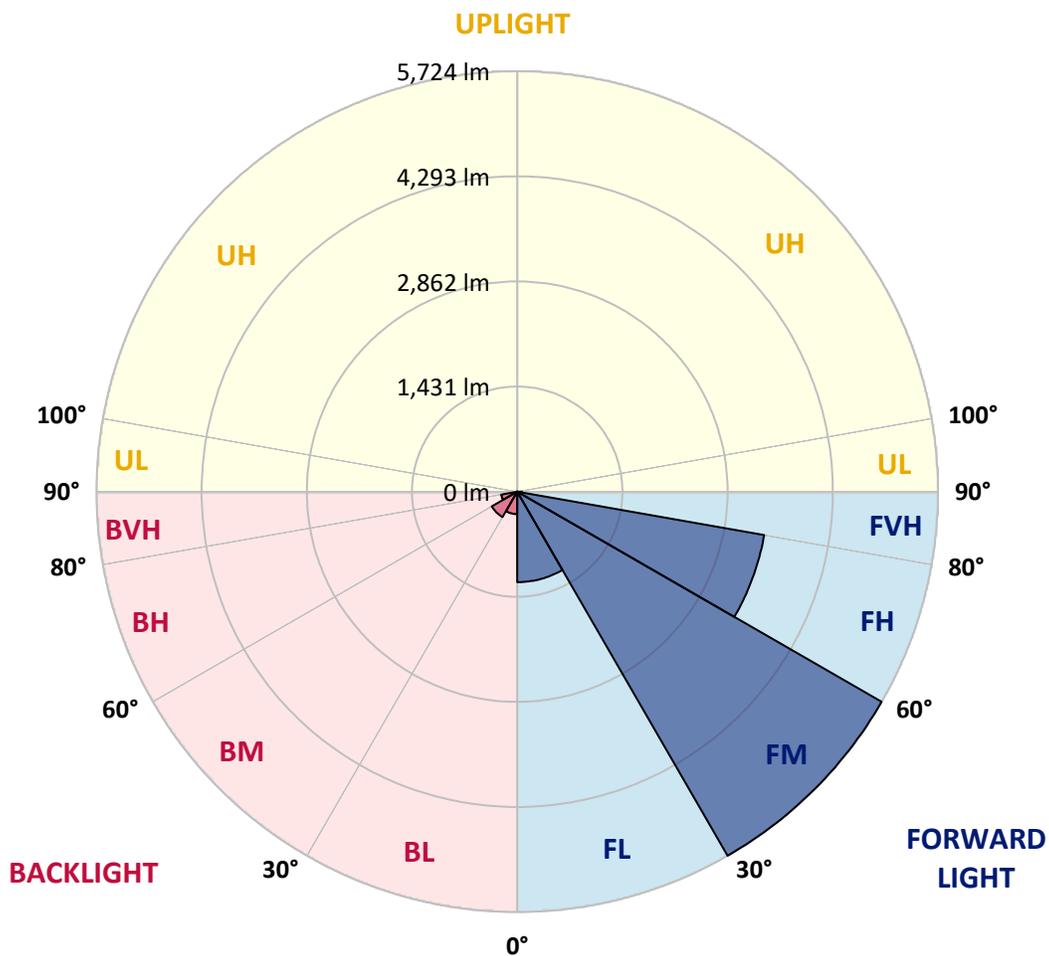
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1231.2	10.8			
FM	(30°-60°)	5723.6	50.4			
FH	(60°-80°)	3411.0	30.0			G2/5000
FVH	(80°-90°)	64.9	0.6			G1/100
BL	(0°-30°)	305.6	2.7	B1/500		
BM	(30°-60°)	399.7	3.5	B1/1000		
BH	(60°-80°)	220.7	1.9	B1/500		G1/500
BVH	(80°-90°)	8.2	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°	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2
2.5°	2794.2	2783.7	2788.9	2766.4	2762.9	2740.3	2689.9	2639.5	2592.6	2580.4	2523.1
5°	2997.5	2992.2	2987.0	2983.6	2967.9	2950.5	2879.3	2811.5	2724.6	2709.0	2589.1
7.5°	3051.3	3046.1	3056.5	3073.9	3084.3	3075.7	3023.5	2957.5	2848.0	2830.6	2656.9
10°	2931.4	2926.2	2973.1	3040.9	3103.5	3148.6	3129.5	3070.4	2955.8	2938.4	2703.8
12.5°	2667.3	2660.4	2736.8	2875.8	3023.5	3152.1	3190.3	3150.4	3042.6	3023.5	2742.0
15°	2425.8	2415.3	2491.8	2632.6	2818.5	3067.0	3212.9	3225.1	3113.9	3101.7	2783.7
17.5°	2297.2	2298.9	2345.8	2462.3	2641.2	2912.3	3188.6	3294.6	3209.5	3193.8	2828.9
20°	2349.3	2352.8	2358.0	2403.2	2510.9	2776.8	3134.7	3369.3	3303.3	3285.9	2886.3
22.5°	2500.5	2509.2	2495.3	2471.0	2484.9	2677.7	3079.1	3451.0	3411.0	3393.6	2926.2
25°	2782.0	2771.6	2728.1	2630.8	2561.3	2648.2	3060.0	3544.8	3546.6	3525.7	2974.9
27.5°	3117.4	3089.6	3037.4	2882.8	2712.5	2696.8	3054.8	3645.6	3704.7	3675.1	3030.5
30°	3402.3	3388.4	3324.1	3181.7	2926.2	2809.8	3068.7	3742.9	3892.4	3876.7	3103.5
32.5°	3586.5	3583.1	3536.1	3440.6	3216.4	2992.2	3129.5	3875.0	4175.6	4123.5	3242.5
35°	3741.2	3725.5	3689.1	3626.5	3491.0	3240.7	3258.1	4087.0	4557.9	4542.2	3464.9
37.5°	3916.7	3897.6	3854.1	3775.9	3682.1	3534.4	3463.2	4361.5	5044.4	5037.5	3758.6
40°	4120.0	4107.8	4064.4	3960.1	3843.7	3755.1	3676.9	4644.8	5515.3	5466.7	4029.6
42.5°	4319.8	4323.3	4290.3	4182.5	4024.4	3904.5	3930.6	4933.2	6128.7	6104.4	4451.9
45°	4547.5	4535.3	4517.9	4439.7	4269.4	4022.7	4173.9	5332.9	6841.2	6902.0	5065.3
47.5°	4707.3	4703.8	4738.6	4679.5	4538.8	4212.1	4424.1	5828.1	7716.9	7774.3	5739.5
50°	4749.0	4743.8	4860.2	4908.9	4903.7	4578.7	4768.1	6455.4	8679.6	8670.9	6493.6
52.5°	4481.4	4493.6	4719.5	4978.4	5219.9	5143.5	5388.5	7319.0	9708.3	9737.8	7202.6
55°	3713.4	3789.8	4040.1	4639.5	5275.5	5718.6	6187.8	8507.6	11065.4	10987.2	7760.4
57.5°	2328.5	2288.5	2710.7	3579.6	4590.9	5762.1	6834.2	9701.4	12514.6	12415.6	8580.6
60°	1186.8	1134.7	1381.4	1996.6	3186.9	4842.9	6848.1	10742.2	13850.9	13739.7	9409.4
62.5°	726.3	717.7	768.0	974.8	1650.8	3266.8	5934.1	11371.2	15157.6	15069.0	9970.7
65°	611.7	609.9	629.0	662.0	731.6	1696.0	4427.6	11063.7	16191.5	16062.9	10003.7
67.5°	542.1	542.1	582.1	597.8	486.5	729.8	2716.0	9784.8	15950.0	15925.6	9306.9
70°	467.4	460.5	516.1	563.0	404.9	375.3	1398.8	7861.2	14012.5	14092.4	7927.2
72.5°	352.7	359.7	417.0	479.6	331.9	264.1	639.5	5501.4	11034.1	11072.4	6229.5
75°	265.9	272.8	323.2	392.7	267.6	199.8	352.7	3574.4	7226.9	7313.8	3638.7
77.5°	203.3	205.0	255.4	324.9	206.8	152.9	238.1	1986.1	3663.0	3584.8	1414.5
80°	140.8	146.0	199.8	252.0	165.1	114.7	159.9	860.1	1322.4	1219.8	439.6
82.5°	52.1	67.8	140.8	182.5	116.4	81.7	118.2	345.8	387.5	363.2	161.6
85°	8.7	8.7	76.5	133.8	62.6	48.7	74.7	119.9	126.8	133.8	83.4
87.5°	0.0	0.0	8.7	29.5	10.4	7.0	20.9	29.5	60.8	67.8	45.2
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°	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2	2476.2
2.5°	2484.9	2448.4	2375.4	2312.8	2215.5	2130.4	2076.5	2034.8	2003.5	1967.0	1930.5
5°	2512.7	2427.5	2248.5	2047.0	1840.2	1654.3	1501.3	1362.3	1272.0	1261.5	1218.1
7.5°	2537.0	2401.4	2099.1	1741.1	1424.9	1155.5	966.1	849.7	748.9	717.7	731.6
10°	2537.0	2356.3	1901.0	1409.2	1028.7	754.1	615.1	538.7	510.9	498.7	488.3
12.5°	2530.0	2283.3	1652.5	1098.2	715.9	549.1	486.5	458.7	443.1	436.2	432.7
15°	2519.6	2194.7	1407.5	820.2	547.4	470.9	439.6	418.8	404.9	397.9	392.7
17.5°	2512.7	2102.6	1185.1	622.1	472.6	429.2	403.1	382.3	370.1	359.7	358.0
20°	2491.8	1994.8	969.6	510.9	429.2	392.7	364.9	345.8	333.6	321.5	321.5
22.5°	2458.8	1841.9	766.3	444.8	392.7	356.2	326.7	307.6	295.4	288.5	285.0
25°	2417.1	1690.7	608.2	406.6	358.0	318.0	291.9	272.8	262.4	258.9	255.4
27.5°	2370.2	1539.6	500.4	375.3	324.9	286.7	257.2	243.3	236.3	232.8	229.4
30°	2331.9	1402.3	434.4	349.3	293.7	255.4	229.4	217.2	212.0	210.3	206.8
32.5°	2335.4	1285.9	389.2	319.7	269.3	231.1	205.0	192.9	192.9	191.1	191.1
35°	2399.7	1212.9	358.0	293.7	243.3	206.8	184.2	173.8	177.2	177.2	175.5
37.5°	2469.2	1139.9	328.4	265.9	220.7	184.2	161.6	156.4	158.1	159.9	159.9
40°	2559.6	1086.0	304.1	239.8	198.1	165.1	146.0	140.8	140.8	140.8	139.0
42.5°	2764.6	1080.8	283.2	217.2	177.2	146.0	132.1	125.1	121.6	119.9	116.4
45°	3053.1	1119.1	269.3	196.4	156.4	132.1	119.9	111.2	100.8	95.6	93.8
47.5°	3424.9	1218.1	257.2	177.2	137.3	119.9	107.7	95.6	81.7	74.7	73.0
50°	3888.9	1372.8	245.0	161.6	123.4	107.7	93.8	78.2	64.3	57.3	57.3
52.5°	4323.3	1555.2	232.8	147.7	109.5	99.0	79.9	62.6	50.4	45.2	43.4
55°	4714.3	1760.2	218.9	132.1	99.0	86.9	66.0	48.7	36.5	31.3	29.5
57.5°	5185.2	2019.2	201.6	116.4	88.6	74.7	52.1	34.8	24.3	17.4	15.6
60°	5699.5	2149.5	179.0	102.5	76.5	62.6	40.0	24.3	13.9	7.0	7.0
62.5°	5866.3	2085.2	151.2	88.6	66.0	50.4	29.5	15.6	5.2	0.0	0.0
65°	5562.2	1786.3	128.6	78.2	57.3	38.2	20.9	8.7	0.0	0.0	0.0
67.5°	4862.0	1390.1	106.0	67.8	48.7	31.3	13.9	1.7	0.0	0.0	0.0
70°	4014.0	1030.4	88.6	55.6	41.7	24.3	8.7	0.0	0.0	0.0	0.0
72.5°	3098.2	731.6	76.5	46.9	34.8	19.1	5.2	0.0	0.0	0.0	0.0
75°	1749.8	392.7	69.5	46.9	31.3	15.6	3.5	0.0	0.0	0.0	0.0
77.5°	722.9	180.7	60.8	46.9	31.3	17.4	5.2	0.0	0.0	0.0	0.0
80°	225.9	92.1	52.1	48.7	33.0	19.1	5.2	0.0	0.0	0.0	0.0
82.5°	106.0	71.2	53.9	45.2	29.5	17.4	5.2	0.0	0.0	0.0	0.0
85°	55.6	36.5	38.2	38.2	26.1	15.6	5.2	0.0	0.0	0.0	0.0
87.5°	15.6	1.7	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)