

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P480264

Luminaire Tested: **IFLD-S-SA3C-830-U-SL2**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P480264  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-830-U-SL2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

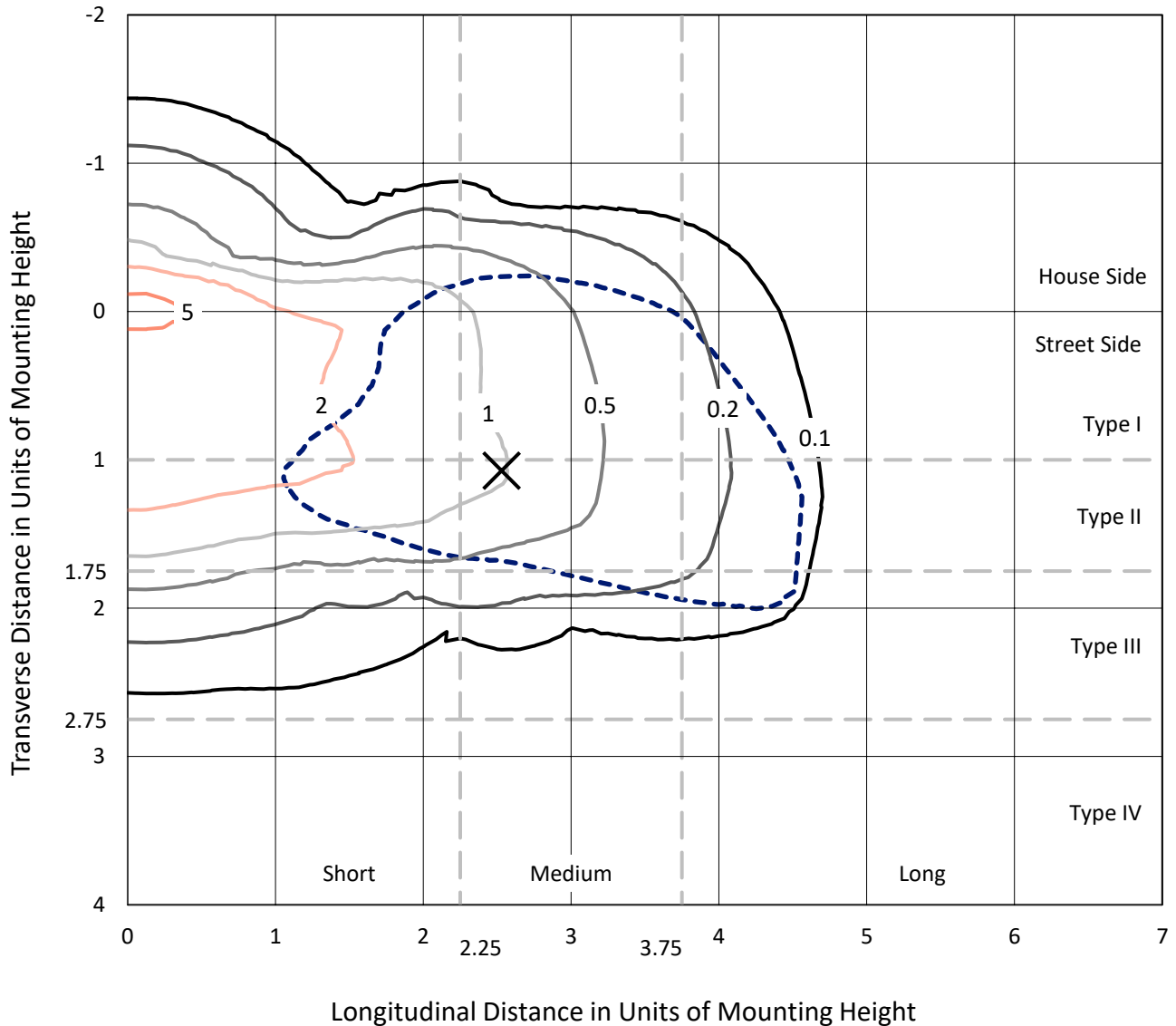
Lumens per Lamp: N/A  
Luminaire Lumens: 16781.7 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 160.8  
Input Voltage (V): 120  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

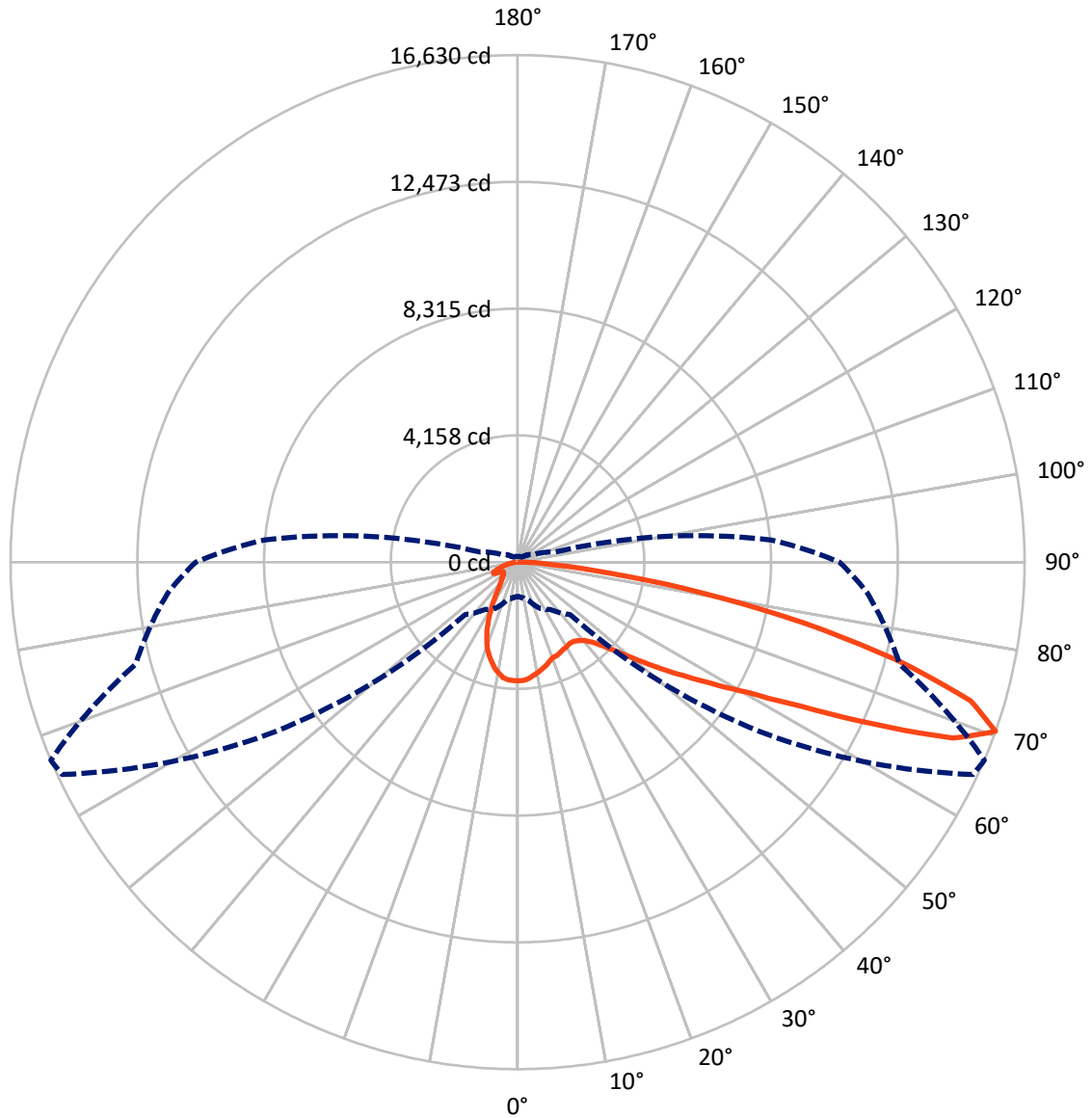
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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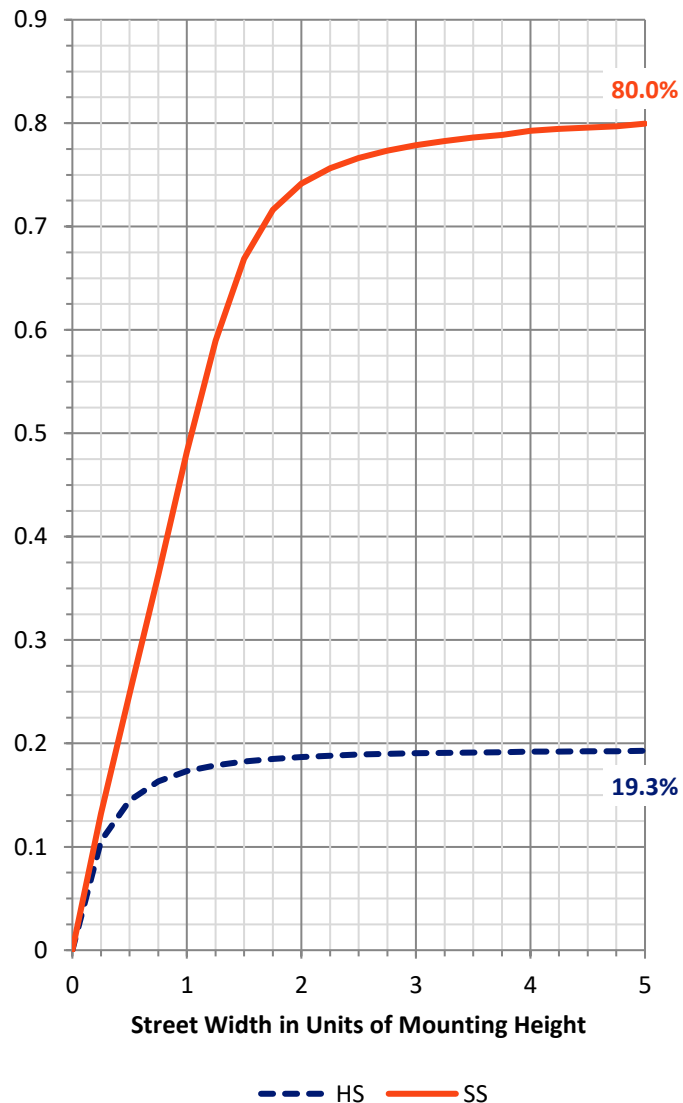
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3268.4	0.0	3268.4
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	13513.3	0.0	13513.3
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	16781.7	0.0	16781.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.0	2.0
10°-20°	811.8	4.8
20°-30°	1096.3	6.5
30°-40°	1466.9	8.7
40°-50°	2157.1	12.9
50°-60°	3362.4	20.0
60°-70°	4141.9	24.7
70°-80°	2926.6	17.4
80°-90°	479.7	2.9
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°	16781.7	100.0
0°-180°	16781.7	100.0

**Coefficient of Utilization**

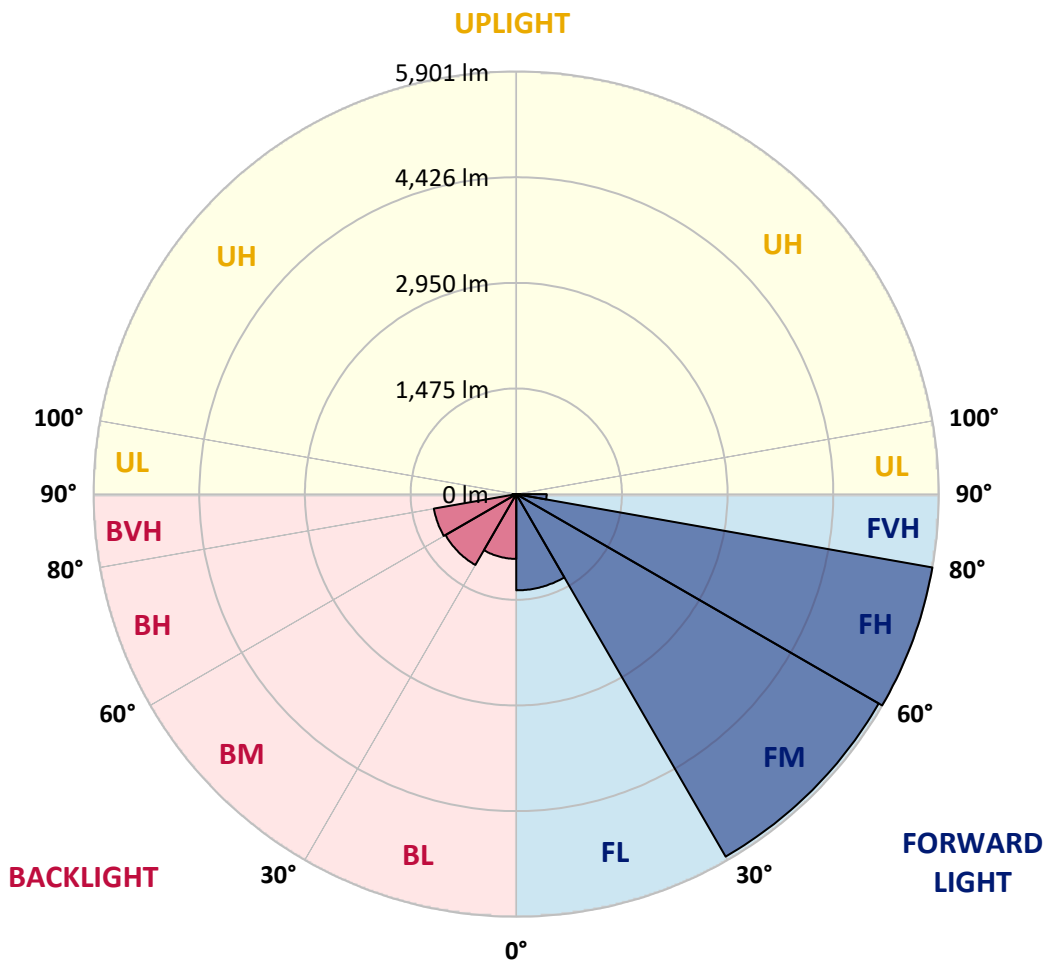


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1343.2	8.0			
FM (30°-60°)	5844.7	34.8			
FH (60°-80°)	5901.0	35.2			G3/7500
FVH (80°-90°)	424.3	2.5			G3/500
BL (0°-30°)	903.8	5.4	B2/1000		
BM (30°-60°)	1141.7	6.8	B2/2500		
BH (60°-80°)	1167.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	55.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9
2.5°	3617.4	3658.2	3673.1	3695.4	3753.0	3795.7	3821.7	3851.5	3886.8	3916.5	3935.1
5°	3364.7	3387.0	3422.3	3446.4	3518.9	3634.1	3712.1	3838.5	3834.7	3881.2	3951.8
7.5°	3119.4	3141.7	3158.5	3206.8	3310.8	3414.9	3557.9	3762.3	3747.4	3855.2	3964.8
10°	2967.1	2950.4	2955.9	3037.7	3119.4	3236.5	3416.7	3624.8	3678.7	3845.9	4002.0
12.5°	2824.0	2805.5	2850.0	2902.1	3002.4	3108.3	3323.8	3511.5	3593.2	3812.4	4018.7
15°	2734.9	2721.8	2777.6	2799.9	2918.8	3045.1	3197.5	3426.0	3515.2	3771.6	3992.7
17.5°	2684.7	2695.8	2716.3	2764.6	2840.8	2948.5	3115.7	3368.4	3407.4	3721.4	3987.1
20°	2694.0	2707.0	2708.8	2729.3	2781.3	2864.9	3035.8	3307.1	3333.1	3712.1	4002.0
22.5°	2768.3	2749.7	2757.1	2744.1	2759.0	2824.0	2974.5	3225.3	3325.7	3634.1	3970.4
25°	2879.8	2853.8	2850.0	2805.5	2777.6	2796.2	2963.4	3204.9	3269.9	3609.9	3968.5
27.5°	3076.7	3037.7	3037.7	2970.8	2857.5	2827.8	2931.8	3171.5	3229.1	3587.6	3925.8
30°	3266.2	3266.2	3268.1	3173.3	3047.0	2900.2	2944.8	3158.5	3195.6	3520.8	3868.2
32.5°	3496.6	3491.0	3481.7	3435.3	3240.2	3021.0	3008.0	3141.7	3160.3	3498.5	3851.5
35°	3721.4	3706.5	3779.0	3738.1	3539.3	3256.9	3073.0	3149.2	3190.0	3465.0	3799.4
37.5°	3890.5	3899.8	4050.3	4076.3	3905.3	3524.5	3256.9	3223.5	3262.5	3513.3	3799.4
40°	4109.7	4146.9	4288.1	4375.4	4271.4	3877.5	3548.6	3348.0	3375.8	3621.1	3881.2
42.5°	4397.7	4429.3	4609.5	4722.8	4693.1	4327.1	3836.6	3608.1	3585.8	3801.3	4003.8
45°	4778.6	4784.1	4966.2	5122.3	5183.6	4797.1	4293.6	3936.9	3918.3	4111.6	4228.6
47.5°	5231.9	5226.3	5339.7	5506.9	5672.2	5358.2	4819.4	4436.7	4369.8	4555.6	4602.1
50°	5670.4	5646.2	5672.2	5885.9	6203.6	6060.5	5458.6	5048.0	4981.1	5083.3	5163.2
52.5°	5911.9	5941.6	5871.0	6153.4	6768.4	6891.0	6305.8	5778.1	5720.5	5770.7	5910.0
55°	5742.8	5804.1	5757.7	6025.2	7015.5	7903.6	7401.9	6623.5	6549.2	6530.6	6759.1
57.5°	5023.8	5135.3	5144.6	5568.2	6930.0	8687.6	8944.0	7621.2	7509.7	7320.2	7556.2
60°	3857.0	3968.5	4054.0	4555.6	6198.0	9155.8	10731.3	9040.6	8672.8	8182.3	8323.5
62.5°	2703.3	2779.4	2864.9	3173.3	4778.6	8880.8	12277.1	11039.7	10361.6	9090.8	9267.3
65°	1969.4	2028.8	2116.2	2298.2	2935.5	7348.1	12994.3	13414.2	12771.3	10246.4	10224.1
67.5°	1482.6	1519.8	1635.0	1926.7	2034.4	4538.9	12251.1	15922.4	15402.1	11530.2	10993.3
70°	1122.2	1153.8	1261.5	1661.0	1900.6	2433.9	9664.9	16481.6	16630.2	12970.1	11509.8
72.5°	772.9	808.2	929.0	1384.1	1809.6	1930.4	6066.1	14973.0	15535.9	13562.8	10956.1
75°	473.8	497.9	568.5	1049.7	1796.6	1887.6	3338.7	12269.7	12866.1	12531.7	9585.0
77.5°	334.4	332.6	345.6	615.0	1556.9	1898.8	2058.6	8990.5	9570.1	9235.7	6504.6
80°	243.4	245.2	258.3	367.9	1057.2	1930.4	1622.0	6021.5	6194.3	4815.7	2565.8
82.5°	146.8	154.2	185.8	249.0	635.4	1742.7	1499.3	3346.1	3130.6	1545.8	706.0
85°	78.0	78.0	109.6	157.9	338.1	1300.5	1443.6	1592.2	1334.0	479.3	262.0
87.5°	18.6	18.6	31.6	63.2	135.6	622.4	984.7	633.5	507.2	161.6	107.8
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°	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9	3884.9
2.5°	3927.6	3905.3	3933.2	3877.5	3832.9	3834.7	3766.0	3762.3	3753.0	3704.7	3721.4
5°	3972.2	3953.6	3922.1	3860.8	3762.3	3663.8	3604.4	3528.2	3496.6	3479.9	3487.3
7.5°	4015.0	3981.5	3890.5	3805.0	3652.7	3466.9	3359.1	3256.9	3126.9	3112.0	3086.0
10°	4026.1	3955.5	3838.5	3656.4	3453.9	3247.6	3002.4	2812.9	2712.6	2634.5	2604.8
12.5°	4009.4	3979.7	3754.9	3520.8	3214.2	2890.9	2604.8	2337.3	2151.5	2054.9	2028.8
15°	4007.5	3955.5	3662.0	3314.5	2922.5	2500.8	2093.9	1772.5	1577.4	1497.5	1497.5
17.5°	4009.4	3884.9	3552.3	3106.4	2578.8	2008.4	1560.7	1296.8	1189.1	1177.9	1187.2
20°	3972.2	3832.9	3437.1	2861.2	2147.8	1508.6	1133.3	1025.6	1025.6	1040.4	1046.0
22.5°	3938.8	3754.9	3255.1	2558.4	1709.3	1092.5	921.5	889.9	925.2	951.3	962.4
25°	3892.3	3689.8	3069.3	2244.4	1300.5	880.7	800.8	808.2	841.6	888.1	884.4
27.5°	3825.5	3576.5	2848.2	1880.2	968.0	759.9	739.5	743.2	778.5	798.9	795.2
30°	3749.3	3461.3	2643.8	1517.9	767.3	696.7	694.9	704.2	709.7	720.9	719.0
32.5°	3652.7	3309.0	2426.4	1179.8	691.1	661.4	654.0	648.4	654.0	652.1	646.6
35°	3583.9	3227.2	2205.3	899.2	648.4	629.8	624.3	615.0	607.5	596.4	594.5
37.5°	3565.3	3145.5	1973.1	733.9	615.0	605.7	587.1	570.4	561.1	555.5	551.8
40°	3554.2	3091.6	1746.4	644.7	587.1	577.8	555.5	533.2	523.9	518.4	520.2
42.5°	3593.2	3061.8	1516.1	600.1	562.9	546.2	522.1	496.1	494.2	490.5	496.1
45°	3730.7	3099.0	1302.4	568.5	538.8	510.9	479.3	466.3	464.5	460.8	464.5
47.5°	4042.8	3191.9	1120.3	548.1	512.8	488.6	455.2	436.6	434.8	432.9	432.9
50°	4473.9	3478.0	968.0	523.9	496.1	462.6	431.0	410.6	406.9	399.5	399.5
52.5°	5150.1	3959.2	876.9	510.9	466.3	438.5	405.0	382.7	373.4	366.0	366.0
55°	5911.9	4555.6	860.2	488.6	434.8	408.7	379.0	356.7	347.4	338.1	334.4
57.5°	6779.5	5345.2	979.1	473.8	412.5	379.0	345.6	325.1	317.7	308.4	304.7
60°	7587.7	6133.0	1348.8	451.5	392.0	351.1	317.7	297.3	288.0	278.7	278.7
62.5°	8522.3	7108.4	1975.0	451.5	373.4	321.4	288.0	273.1	267.5	258.3	256.4
65°	9627.7	8117.2	2432.0	479.3	367.9	295.4	260.1	245.2	239.7	234.1	232.2
67.5°	10469.4	8696.9	2092.0	553.7	392.0	273.1	232.2	223.0	219.2	213.7	209.9
70°	10558.5	8343.9	1261.5	598.2	416.2	250.8	208.1	198.8	198.8	193.2	189.5
72.5°	9757.8	7403.8	849.1	533.2	377.2	224.8	183.9	176.5	172.8	169.1	167.2
75°	8165.5	6279.8	670.7	425.5	289.8	185.8	159.8	152.3	146.8	144.9	141.2
77.5°	5484.6	4081.8	496.1	332.6	213.7	150.5	133.8	126.3	120.8	118.9	113.3
80°	2106.9	1555.1	319.6	241.5	150.5	118.9	105.9	98.5	94.8	89.2	85.5
82.5°	620.5	503.5	178.4	148.6	96.6	81.7	76.2	70.6	65.0	59.5	57.6
85°	256.4	230.4	109.6	78.0	59.5	48.3	44.6	39.0	33.4	29.7	26.0
87.5°	118.9	98.5	50.2	29.7	20.4	11.1	5.6	1.9	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)