

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: P479971

Luminaire Tested: **IFLD-M-SA4B-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479971
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-722-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

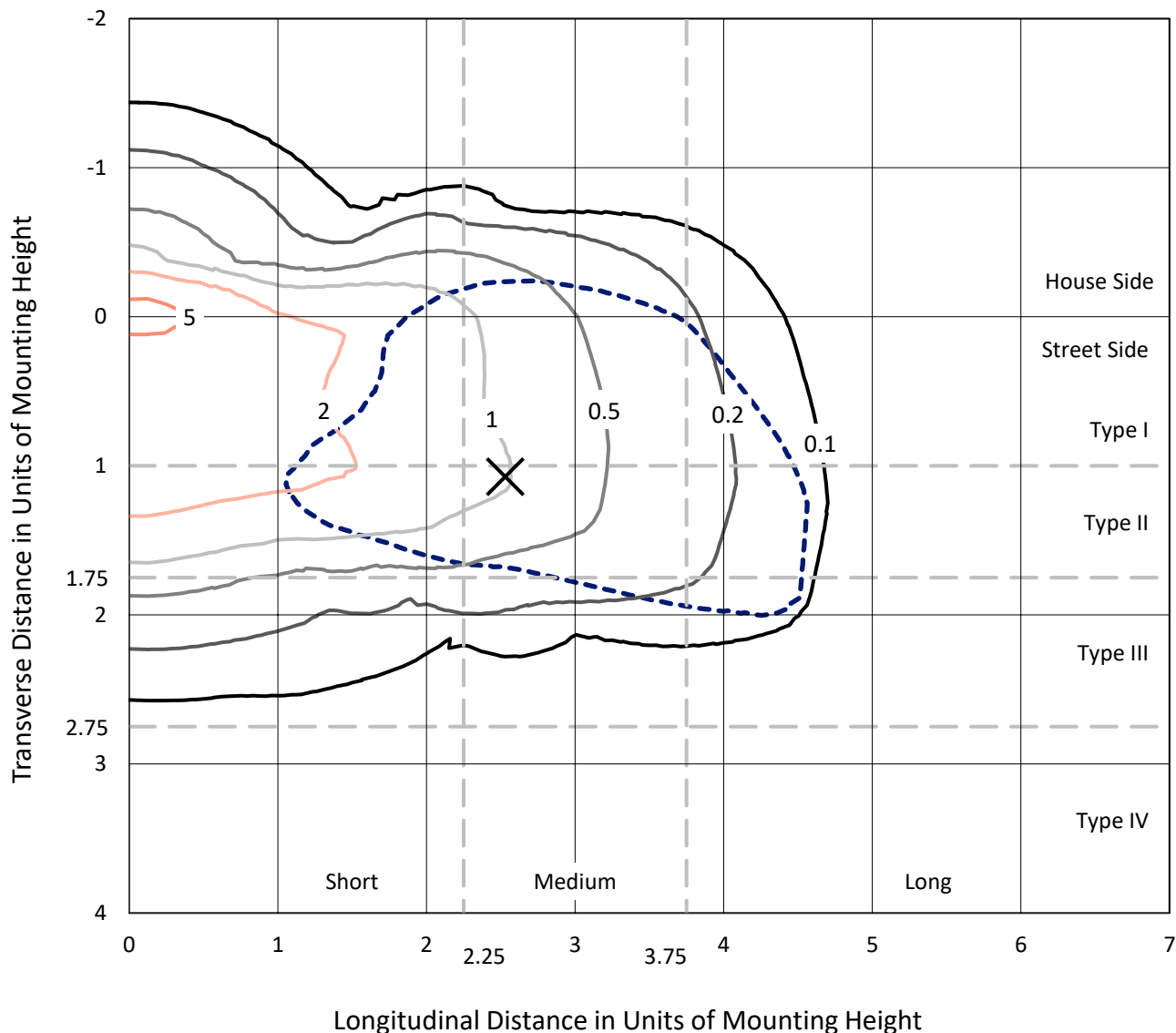
Lumens per Lamp: N/A
Luminaire Lumens: 16774 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 166.1
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

REPORT NUMBER: P479971
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

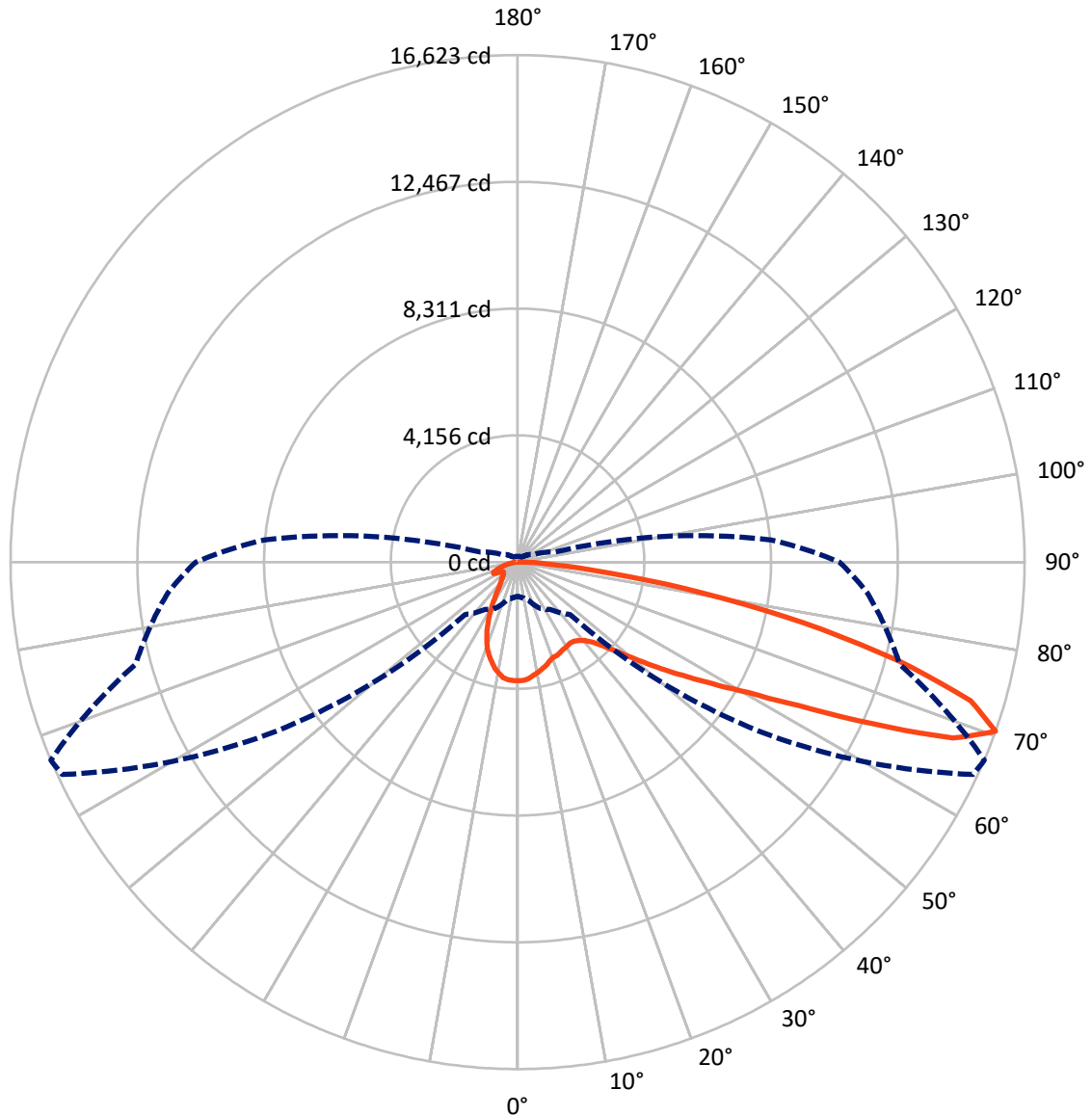
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P479971
CATALOG NUMBER: IFLD-M-SA4B-722-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479971
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SL2

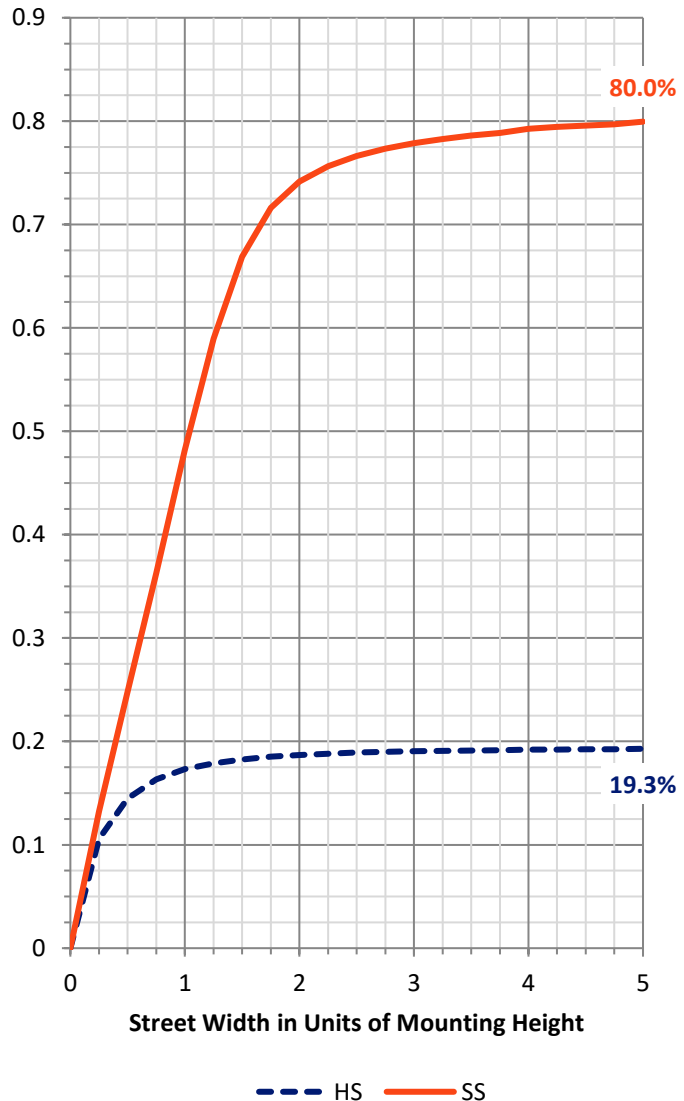
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3266.9	0.0	3266.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	13507.1	0.0	13507.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	16774.0	0.0	16774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.8	2.0
10°-20°	811.4	4.8
20°-30°	1095.8	6.5
30°-40°	1466.3	8.7
40°-50°	2156.1	12.9
50°-60°	3360.8	20.0
60°-70°	4140.0	24.7
70°-80°	2925.3	17.4
80°-90°	479.5	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°	16774.0	100.0
0°-180°	16774.0	100.0

Coefficient of Utilization

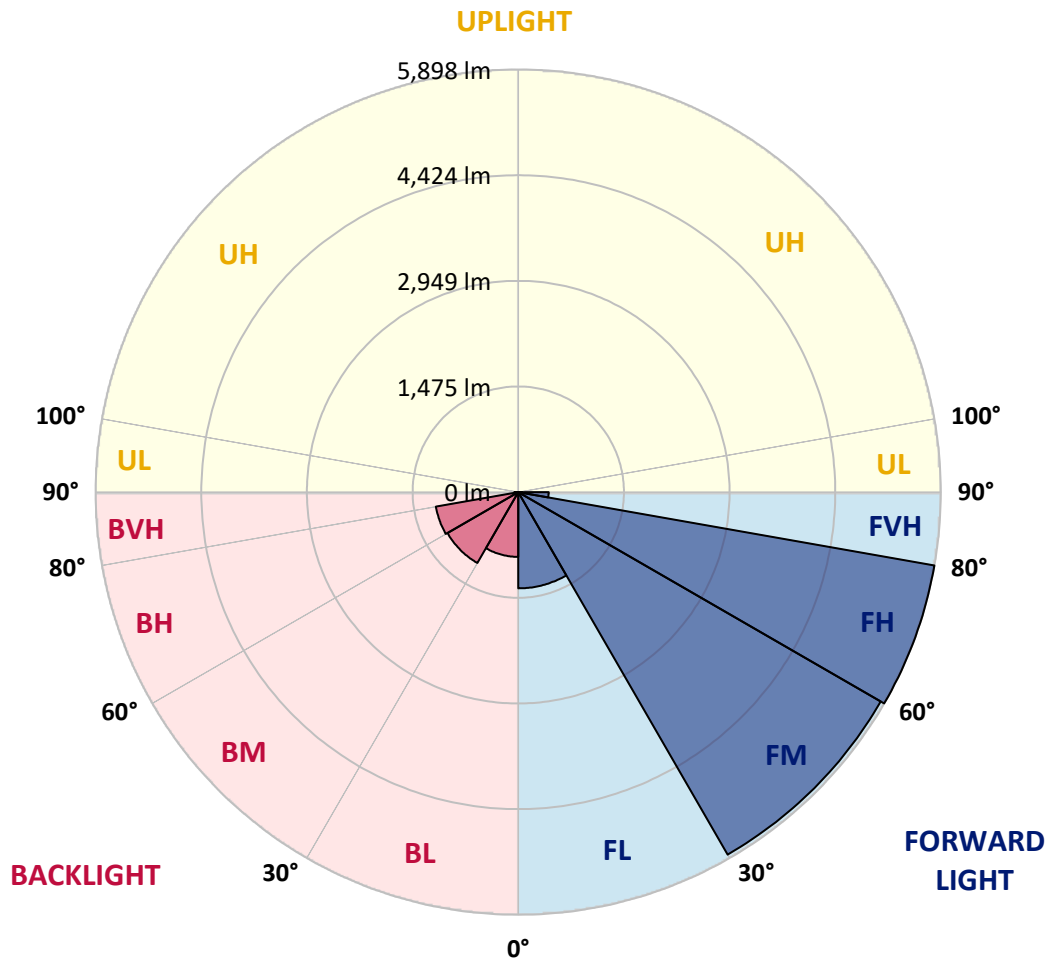


REPORT NUMBER: P479971
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1342.6	8.0			
FM (30°-60°)	5842.0	34.8			
FH (60°-80°)	5898.3	35.2			G3/7500
FVH (80°-90°)	424.2	2.5			G3/500
BL (0°-30°)	903.4	5.4	B2/1000		
BM (30°-60°)	1141.2	6.8	B2/2500		
BH (60°-80°)	1167.0	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





REPORT NUMBER: P479971

CATALOG NUMBER: IFLD-M-SA4B-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1
2.5°	3615.7	3656.6	3671.4	3693.7	3751.3	3794.0	3820.0	3849.7	3885.0	3914.7	3933.3
5°	3363.2	3385.4	3420.7	3444.9	3517.3	3632.4	3710.4	3836.7	3833.0	3879.4	3950.0
7.5°	3118.0	3140.3	3157.0	3205.3	3309.3	3413.3	3556.3	3760.6	3745.7	3853.4	3963.0
10°	2965.7	2949.0	2954.6	3036.3	3118.0	3235.0	3415.2	3623.1	3677.0	3844.1	4000.1
12.5°	2822.7	2804.2	2848.7	2900.7	3001.0	3106.9	3322.3	3509.9	3591.6	3810.7	4016.8
15°	2733.6	2720.6	2776.3	2798.6	2917.5	3043.7	3196.0	3424.4	3513.6	3769.9	3990.8
17.5°	2683.5	2694.6	2715.0	2763.3	2839.5	2947.2	3114.3	3366.9	3405.9	3719.7	3985.3
20°	2692.8	2705.8	2707.6	2728.0	2780.0	2863.6	3034.5	3305.6	3331.6	3710.4	4000.1
22.5°	2767.0	2748.5	2755.9	2742.9	2757.8	2822.7	2973.2	3223.9	3324.2	3632.4	3968.6
25°	2878.5	2852.5	2848.7	2804.2	2776.3	2794.9	2962.0	3203.4	3268.4	3608.3	3966.7
27.5°	3075.3	3036.3	3036.3	2969.5	2856.2	2826.5	2930.5	3170.0	3227.6	3586.0	3924.0
30°	3264.7	3264.7	3266.6	3171.9	3045.6	2898.9	2943.5	3157.0	3194.2	3519.2	3866.4
32.5°	3495.0	3489.4	3480.2	3433.7	3238.7	3019.6	3006.6	3140.3	3158.9	3496.9	3849.7
35°	3719.7	3704.9	3777.3	3736.4	3537.7	3255.4	3071.6	3147.7	3188.6	3463.4	3797.7
37.5°	3888.7	3898.0	4048.4	4074.4	3903.6	3522.9	3255.4	3222.0	3261.0	3511.7	3797.7
40°	4107.8	4145.0	4286.1	4373.4	4269.4	3875.7	3547.0	3346.4	3374.3	3619.4	3879.4
42.5°	4395.7	4427.3	4607.4	4720.7	4691.0	4325.1	3834.9	3606.4	3584.1	3799.6	4002.0
45°	4776.4	4782.0	4964.0	5119.9	5181.2	4795.0	4291.7	3935.1	3916.6	4109.7	4226.7
47.5°	5229.5	5223.9	5337.2	5504.4	5669.6	5355.8	4817.2	4434.7	4367.8	4553.5	4600.0
50°	5667.8	5643.6	5669.6	5883.2	6200.8	6057.8	5456.1	5045.7	4978.8	5080.9	5160.8
52.5°	5909.2	5938.9	5868.3	6150.6	6765.3	6887.9	6302.9	5775.5	5717.9	5768.1	5907.3
55°	5740.2	5801.5	5755.1	6022.5	7012.3	7900.0	7398.6	6620.5	6546.2	6527.6	6756.0
57.5°	5021.5	5132.9	5142.2	5565.6	6926.9	8683.7	8939.9	7617.7	7506.3	7316.9	7552.7
60°	3855.3	3966.7	4052.1	4553.5	6195.2	9151.6	10726.4	9036.5	8668.8	8178.5	8319.7
62.5°	2702.0	2778.2	2863.6	3171.9	4776.4	8876.8	12271.5	11034.7	10356.9	9086.7	9263.1
65°	1968.5	2027.9	2115.2	2297.2	2934.2	7344.7	12988.4	13408.1	12765.5	10241.7	10219.5
67.5°	1481.9	1519.1	1634.2	1925.8	2033.5	4536.8	12245.5	15915.1	15395.1	11525.0	10988.3
70°	1121.7	1153.2	1261.0	1660.2	1899.8	2432.8	9660.5	16474.1	16622.6	12964.2	11504.6
72.5°	772.5	807.8	928.5	1383.5	1808.8	1929.5	6063.3	14966.1	15528.8	13556.6	10951.2
75°	473.6	497.7	568.3	1049.2	1795.8	1886.8	3337.2	12264.1	12860.2	12525.9	9580.6
77.5°	334.3	332.4	345.4	614.7	1556.2	1897.9	2057.6	8986.4	9565.8	9231.5	6501.6
80°	243.3	245.1	258.1	367.7	1056.7	1929.5	1621.2	6018.8	6191.5	4813.5	2564.6
82.5°	146.7	154.1	185.7	248.8	635.1	1741.9	1498.7	3344.6	3129.2	1545.1	705.7
85°	78.0	78.0	109.6	157.9	338.0	1300.0	1442.9	1591.5	1333.4	479.1	261.8
87.5°	18.6	18.6	31.6	63.1	135.6	622.1	984.2	633.3	507.0	161.6	107.7
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: P479971
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1	3883.1
2.5°	3925.8	3903.6	3931.4	3875.7	3831.1	3833.0	3764.3	3760.6	3751.3	3703.0	3719.7
5°	3970.4	3951.8	3920.3	3859.0	3760.6	3662.1	3602.7	3526.6	3495.0	3478.3	3485.7
7.5°	4013.1	3979.7	3888.7	3803.3	3651.0	3465.3	3357.6	3255.4	3125.5	3110.6	3084.6
10°	4024.3	3953.7	3836.7	3654.7	3452.3	3246.2	3001.0	2811.6	2711.3	2633.3	2603.6
12.5°	4007.6	3977.8	3753.1	3519.2	3212.7	2889.6	2603.6	2336.2	2150.5	2053.9	2027.9
15°	4005.7	3953.7	3660.3	3313.0	2921.2	2499.6	2092.9	1771.6	1576.7	1496.8	1496.8
17.5°	4007.6	3883.1	3550.7	3105.0	2577.6	2007.5	1559.9	1296.2	1188.5	1177.4	1186.7
20°	3970.4	3831.1	3435.6	2859.9	2146.8	1507.9	1132.8	1025.1	1025.1	1040.0	1045.5
22.5°	3937.0	3753.1	3253.6	2557.2	1708.5	1092.0	921.1	889.5	924.8	950.8	962.0
25°	3890.6	3688.1	3067.9	2243.3	1300.0	880.3	800.4	807.8	841.3	887.7	884.0
27.5°	3823.7	3574.9	2846.9	1879.4	967.5	759.5	739.1	742.8	778.1	798.5	794.8
30°	3747.6	3459.7	2642.6	1517.2	767.0	696.4	694.5	703.8	709.4	720.5	718.7
32.5°	3651.0	3307.4	2425.3	1179.2	690.8	661.1	653.7	648.1	653.7	651.8	646.3
35°	3582.3	3225.7	2204.3	898.8	648.1	629.5	624.0	614.7	607.3	596.1	594.3
37.5°	3563.7	3144.0	1972.2	733.5	614.7	605.4	586.8	570.1	560.8	555.3	551.6
40°	3552.6	3090.2	1745.6	644.4	586.8	577.5	555.3	533.0	523.7	518.1	520.0
42.5°	3591.6	3060.5	1515.4	599.8	562.7	546.0	521.8	495.8	494.0	490.3	495.8
45°	3729.0	3097.6	1301.8	568.3	538.6	510.7	479.1	466.1	464.3	460.6	464.3
47.5°	4041.0	3190.4	1119.8	547.8	512.6	488.4	455.0	436.4	434.6	432.7	432.7
50°	4471.8	3476.4	967.5	523.7	495.8	462.4	430.8	410.4	406.7	399.3	399.3
52.5°	5147.8	3957.4	876.5	510.7	466.1	438.3	404.8	382.6	373.3	365.8	365.8
55°	5909.2	4553.5	859.8	488.4	434.6	408.6	378.8	356.6	347.3	338.0	334.3
57.5°	6776.5	5342.8	978.7	473.6	412.3	378.8	345.4	325.0	317.6	308.3	304.6
60°	7584.3	6130.2	1348.2	451.3	391.8	351.0	317.6	297.1	287.8	278.6	278.6
62.5°	8518.4	7105.2	1974.1	451.3	373.3	321.3	287.8	273.0	267.4	258.1	256.3
65°	9623.3	8113.5	2430.9	479.1	367.7	295.3	260.0	245.1	239.6	234.0	232.1
67.5°	10464.6	8693.0	2091.1	553.4	391.8	273.0	232.1	222.8	219.1	213.6	209.8
70°	10553.7	8340.1	1261.0	598.0	416.0	250.7	208.0	198.7	198.7	193.1	189.4
72.5°	9753.3	7400.4	848.7	533.0	377.0	224.7	183.9	176.4	172.7	169.0	167.1
75°	8161.8	6276.9	670.4	425.3	289.7	185.7	159.7	152.3	146.7	144.9	141.1
77.5°	5482.1	4080.0	495.8	332.4	213.6	150.4	133.7	126.3	120.7	118.9	113.3
80°	2105.9	1554.4	319.4	241.4	150.4	118.9	105.9	98.4	94.7	89.1	85.4
82.5°	620.3	503.3	178.3	148.6	96.6	81.7	76.1	70.6	65.0	59.4	57.6
85°	256.3	230.3	109.6	78.0	59.4	48.3	44.6	39.0	33.4	29.7	26.0
87.5°	118.9	98.4	50.1	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)