

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: P480342

Luminaire Tested: **IFLD-S-SA3C-722-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480342
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

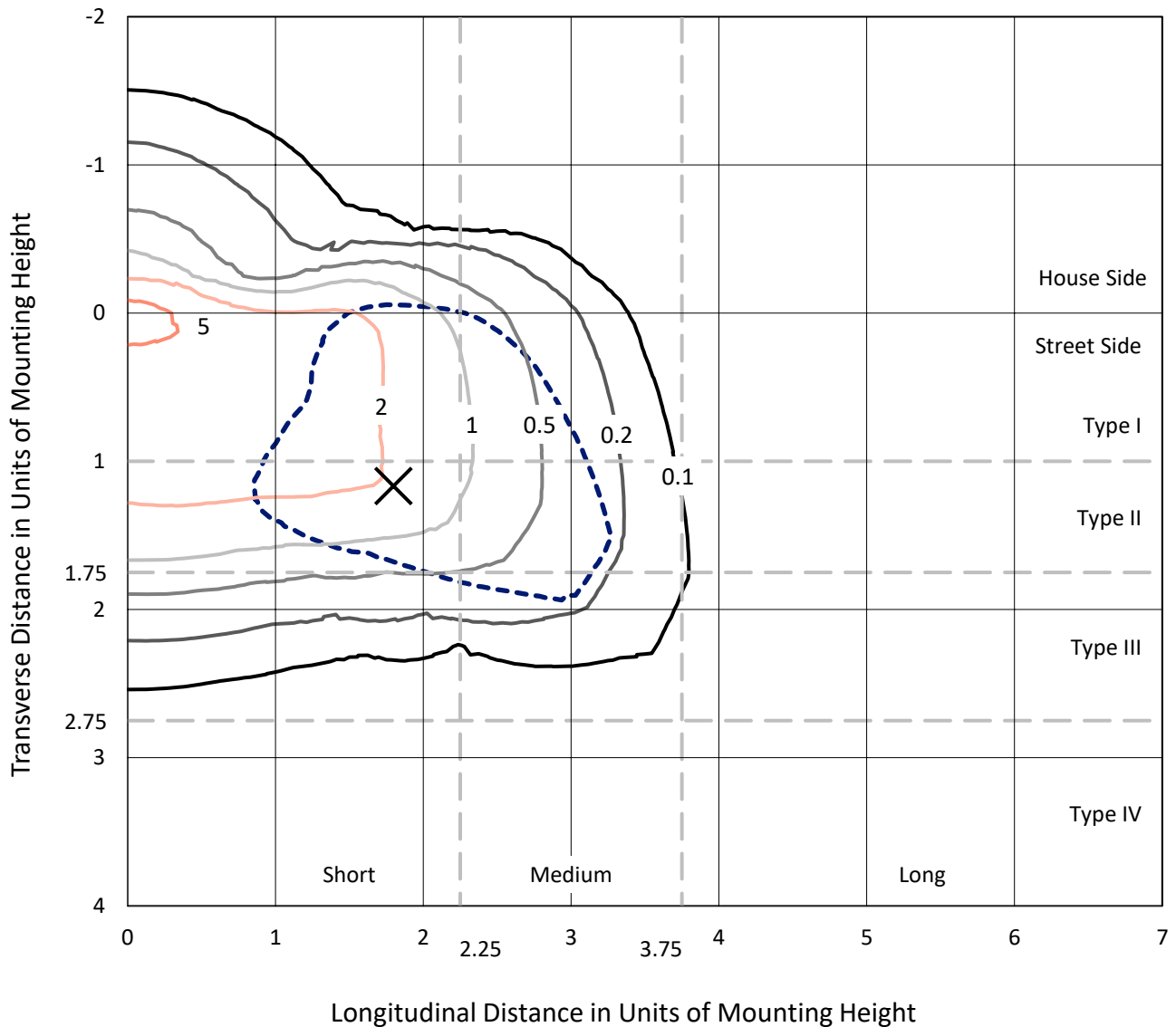
Lumens per Lamp: N/A
Luminaire Lumens: 15395.5 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

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

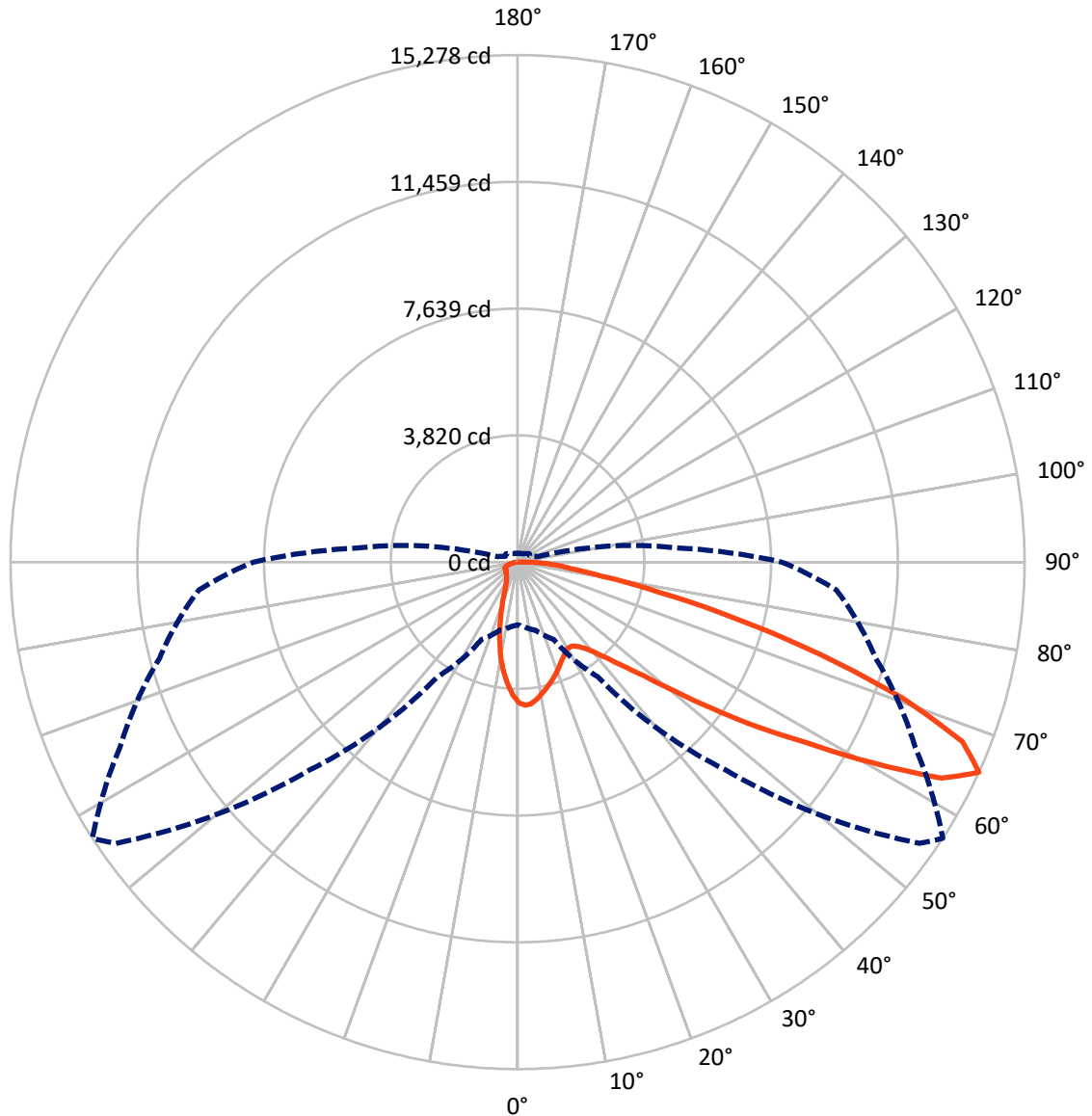
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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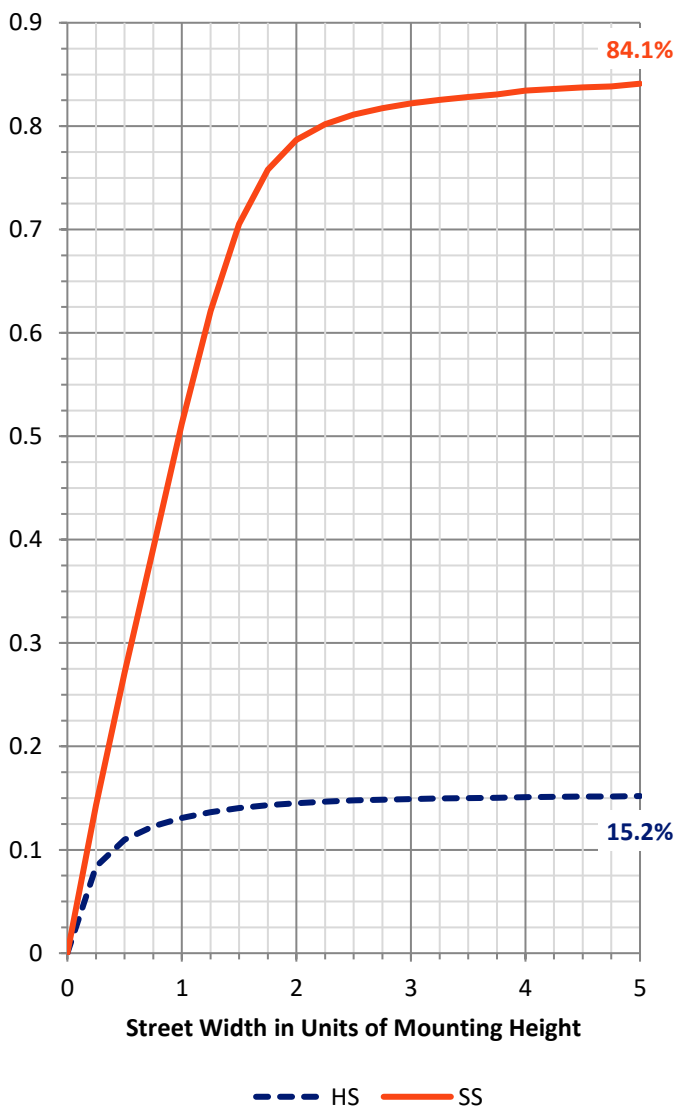
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2361.1	0.0	2361.1
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	13034.5	0.0	13034.5
	% Fixture	84.7	0.0	84.7
Total	Lumens	15395.5	0.0	15395.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.5	2.3
10°-20°	763.0	5.0
20°-30°	986.5	6.4
30°-40°	1327.5	8.6
40°-50°	2116.7	13.7
50°-60°	3738.7	24.3
60°-70°	4113.1	26.7
70°-80°	1720.6	11.2
80°-90°	275.0	1.8
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°	15395.5	100.0
0°-180°	15395.5	100.0

Coefficient of Utilization



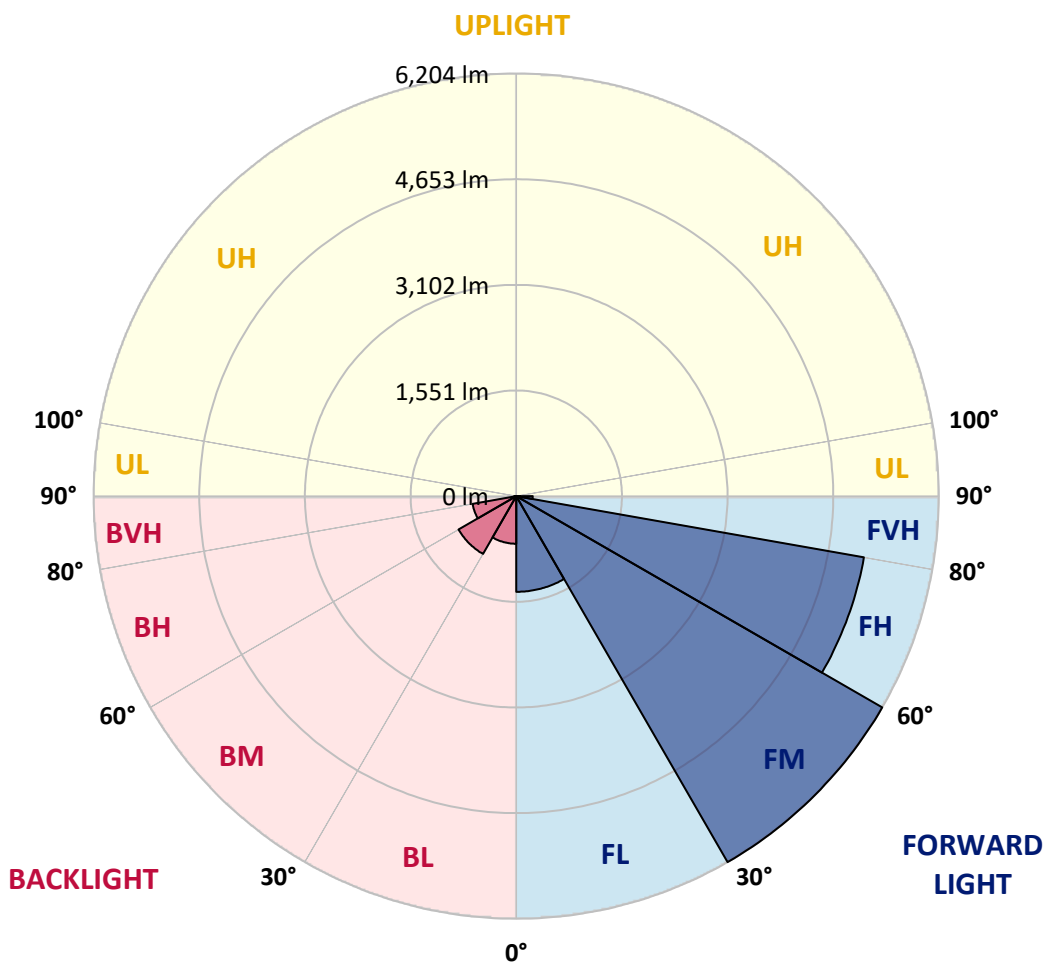
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1404.8	9.1			
FM (30°-60°)	6204.4	40.3			
FH (60°-80°)	5182.6	33.7			G3/7500
FVH (80°-90°)	242.7	1.6			G3/500
BL (0°-30°)	699.2	4.5	B2/1000		
BM (30°-60°)	978.5	6.4	B1/1000		
BH (60°-80°)	651.0	4.2	B2/1000		G2/1000
BVH (80°-90°)	32.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6
2.5°	4347.9	4354.8	4354.8	4368.7	4321.9	4344.4	4341.0	4320.2	4327.1	4290.7	4254.3
5°	4224.9	4219.7	4247.4	4250.9	4287.3	4297.6	4306.3	4292.4	4295.9	4216.2	4181.6
7.5°	3909.6	3907.9	3954.7	3994.5	4070.7	4141.7	4188.5	4174.7	4193.7	4143.5	4062.1
10°	3535.5	3575.3	3623.8	3663.7	3804.0	3894.0	4015.3	4027.4	4100.2	4088.0	3940.8
12.5°	3254.8	3272.2	3308.5	3422.9	3551.1	3700.0	3873.3	3888.8	3959.9	3994.5	3866.3
15°	3024.5	3040.1	3086.8	3171.7	3315.5	3492.2	3712.2	3752.0	3894.0	3906.2	3769.3
17.5°	2856.4	2868.6	2899.7	2984.6	3102.4	3329.3	3537.2	3608.2	3795.3	3854.2	3668.8
20°	2790.6	2764.6	2782.0	2835.6	2953.4	3128.4	3396.9	3459.2	3698.3	3814.4	3573.6
22.5°	2761.2	2738.6	2749.0	2745.6	2839.1	2963.8	3246.2	3312.0	3606.5	3767.6	3488.7
25°	2783.7	2783.7	2773.3	2764.6	2775.0	2856.4	3083.4	3185.6	3483.5	3727.7	3402.1
27.5°	2904.9	2858.2	2863.4	2827.0	2816.6	2816.6	3010.6	3071.2	3443.7	3705.2	3331.1
30°	2982.9	3005.4	3007.1	2953.4	2899.7	2802.7	2943.0	3001.9	3410.7	3732.9	3289.5
32.5°	3182.1	3171.7	3142.3	3131.9	3052.2	2943.0	2976.0	3015.8	3391.7	3795.3	3301.6
35°	3381.3	3376.1	3377.8	3372.6	3289.5	3128.4	3064.3	3118.0	3426.3	3904.4	3343.2
37.5°	3587.4	3601.3	3660.2	3660.2	3571.8	3396.9	3312.0	3296.4	3552.8	4082.9	3441.9
40°	3793.6	3828.2	3902.7	4020.5	3895.8	3732.9	3596.1	3571.8	3705.2	4321.9	3679.2
42.5°	3991.0	4048.2	4195.4	4370.4	4328.8	4166.0	3984.1	3956.4	4018.8	4677.0	4010.1
45°	4243.9	4292.4	4524.6	4793.1	4850.2	4706.5	4493.4	4470.9	4467.4	5196.7	4465.7
47.5°	4628.5	4680.5	4912.6	5182.8	5359.5	5382.0	5143.0	5118.7	5035.6	5898.2	5132.6
50°	5110.1	5194.9	5390.7	5705.9	5962.3	6203.1	6135.5	6064.5	5901.7	6714.1	5977.9
52.5°	5461.7	5565.6	5830.7	6234.3	6686.4	7069.2	7311.7	7311.7	6937.6	7609.7	6994.7
55°	5555.2	5617.6	5951.9	6535.7	7310.0	8278.3	8785.8	8747.7	8170.9	8552.0	8177.8
57.5°	5182.8	5264.2	5669.6	6281.0	7637.4	9409.4	10249.6	10258.2	9518.6	9646.8	9345.3
60°	4157.3	4183.3	4661.4	5479.0	7322.1	10320.6	12248.6	12281.5	11051.6	10622.0	9939.5
62.5°	2873.8	2956.9	3317.2	4034.3	6066.2	10218.4	14176.5	14339.3	12279.7	11136.5	10033.0
65°	1891.6	1941.8	2134.1	2570.6	4223.2	8856.9	14775.9	15278.2	13218.6	11165.9	9641.6
67.5°	1371.9	1380.6	1437.7	1662.9	2537.7	6369.4	13752.1	14460.6	13570.2	10919.9	8723.5
70°	1108.6	1115.6	1136.3	1280.1	1638.7	3985.8	11216.1	12326.5	12515.3	9754.1	7025.9
72.5°	900.8	909.4	935.4	1070.5	1351.1	2217.2	8202.1	9554.9	10180.3	7216.4	4670.1
75°	708.5	715.4	777.8	911.1	1269.7	1522.6	5440.9	6766.1	6850.9	4218.0	2186.1
77.5°	485.0	497.1	573.4	772.6	1195.2	1332.1	3391.7	4334.0	3888.8	1650.8	751.8
80°	308.3	325.7	370.7	585.5	1056.7	1271.5	2109.8	2587.9	1702.8	564.7	362.0
82.5°	181.9	199.2	244.2	379.4	829.7	1179.6	1486.2	1619.6	798.6	289.3	218.3
85°	100.5	112.6	147.2	228.7	486.8	1048.0	1190.0	1162.3	457.3	154.2	136.8
87.5°	32.9	38.1	53.7	91.8	200.9	493.7	713.7	670.4	237.3	71.0	53.7
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°	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6	4233.6
2.5°	4230.1	4224.9	4146.9	4088.0	3987.6	3904.4	3871.5	3826.5	3824.7	3791.8	3783.2
5°	4127.9	4074.2	3954.7	3840.3	3661.9	3542.4	3433.3	3357.0	3325.9	3258.3	3242.7
7.5°	3996.2	3925.2	3741.6	3526.8	3317.2	3130.1	2960.4	2790.6	2695.3	2662.4	2626.1
10°	3859.4	3734.7	3462.7	3221.9	2929.2	2641.6	2374.9	2135.8	2005.9	1914.1	1874.3
12.5°	3750.3	3584.0	3237.5	2877.2	2490.9	2106.4	1796.3	1545.1	1397.9	1328.6	1297.4
15°	3627.3	3407.3	2991.5	2536.0	2054.4	1617.9	1314.8	1117.3	1058.4	1025.5	1020.3
17.5°	3497.4	3242.7	2724.8	2199.9	1628.3	1217.8	1022.0	942.3	916.3	902.5	895.6
20°	3376.1	3095.5	2451.1	1825.8	1274.9	977.0	885.2	843.6	841.9	848.8	847.1
22.5°	3204.6	2903.2	2180.9	1479.3	1018.5	850.5	791.6	781.2	791.6	800.3	803.8
25°	3107.6	2745.6	1879.5	1174.4	841.9	755.2	736.2	732.7	748.3	758.7	757.0
27.5°	3007.1	2582.7	1598.8	940.6	737.9	687.7	684.2	687.7	703.3	718.9	717.1
30°	2929.2	2452.8	1335.5	786.4	658.2	639.2	635.7	639.2	647.9	649.6	649.6
32.5°	2865.1	2298.7	1112.1	682.5	609.7	594.2	597.6	595.9	597.6	599.3	601.1
35°	2827.0	2206.9	928.5	618.4	569.9	557.8	556.0	550.8	552.6	554.3	552.6
37.5°	2908.4	2161.8	783.0	573.4	542.2	531.8	528.3	524.9	519.7	519.7	519.7
40°	3031.4	2137.6	694.6	543.9	521.4	509.3	498.9	495.4	495.4	497.1	498.9
42.5°	3275.6	2177.4	634.0	521.4	495.4	481.6	471.2	472.9	478.1	483.3	479.8
45°	3629.0	2298.7	606.3	504.1	479.8	460.8	453.8	452.1	457.3	466.0	472.9
47.5°	4091.5	2487.5	595.9	488.5	469.4	443.4	434.8	440.0	446.9	459.0	453.8
50°	4848.5	2911.9	604.5	474.6	453.8	434.8	424.4	419.2	424.4	433.1	436.5
52.5°	5837.6	3682.7	637.5	467.7	443.4	427.9	410.5	401.9	407.1	414.0	414.0
55°	7020.7	4735.9	729.3	459.0	426.1	417.5	398.4	381.1	384.6	384.6	382.8
57.5°	8063.5	5531.0	838.4	446.9	415.7	403.6	379.4	358.6	355.1	356.8	358.6
60°	8531.2	5742.3	890.4	443.4	415.7	386.3	353.4	332.6	327.4	323.9	323.9
62.5°	8449.8	5376.8	784.7	427.9	426.1	372.4	329.1	306.6	299.7	292.7	294.5
65°	7957.8	4855.4	618.4	407.1	427.9	363.8	304.9	282.4	270.2	261.6	259.8
67.5°	7058.8	4145.2	490.2	391.5	410.5	348.2	284.1	258.1	247.7	239.0	235.6
70°	5522.3	3249.7	426.1	370.7	369.0	310.1	259.8	237.3	221.7	211.3	211.3
72.5°	3580.5	2054.4	365.5	329.1	318.7	259.8	225.2	211.3	199.2	190.5	190.5
75°	1621.4	954.5	294.5	275.4	259.8	207.9	190.5	183.6	173.2	164.6	164.6
77.5°	582.0	407.1	220.0	216.5	194.0	161.1	154.2	149.0	142.0	133.4	133.4
80°	325.7	258.1	164.6	157.6	135.1	119.5	110.9	110.9	107.4	102.2	100.5
82.5°	206.1	168.0	121.3	105.7	88.3	79.7	76.2	74.5	72.8	65.8	64.1
85°	129.9	114.3	79.7	62.4	52.0	39.8	38.1	36.4	32.9	29.4	29.4
87.5°	58.9	65.8	31.2	19.1	13.9	8.7	5.2	1.7	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)