

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: P480356

Luminaire Tested: **IFLD-S-SA6B-722-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480356
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

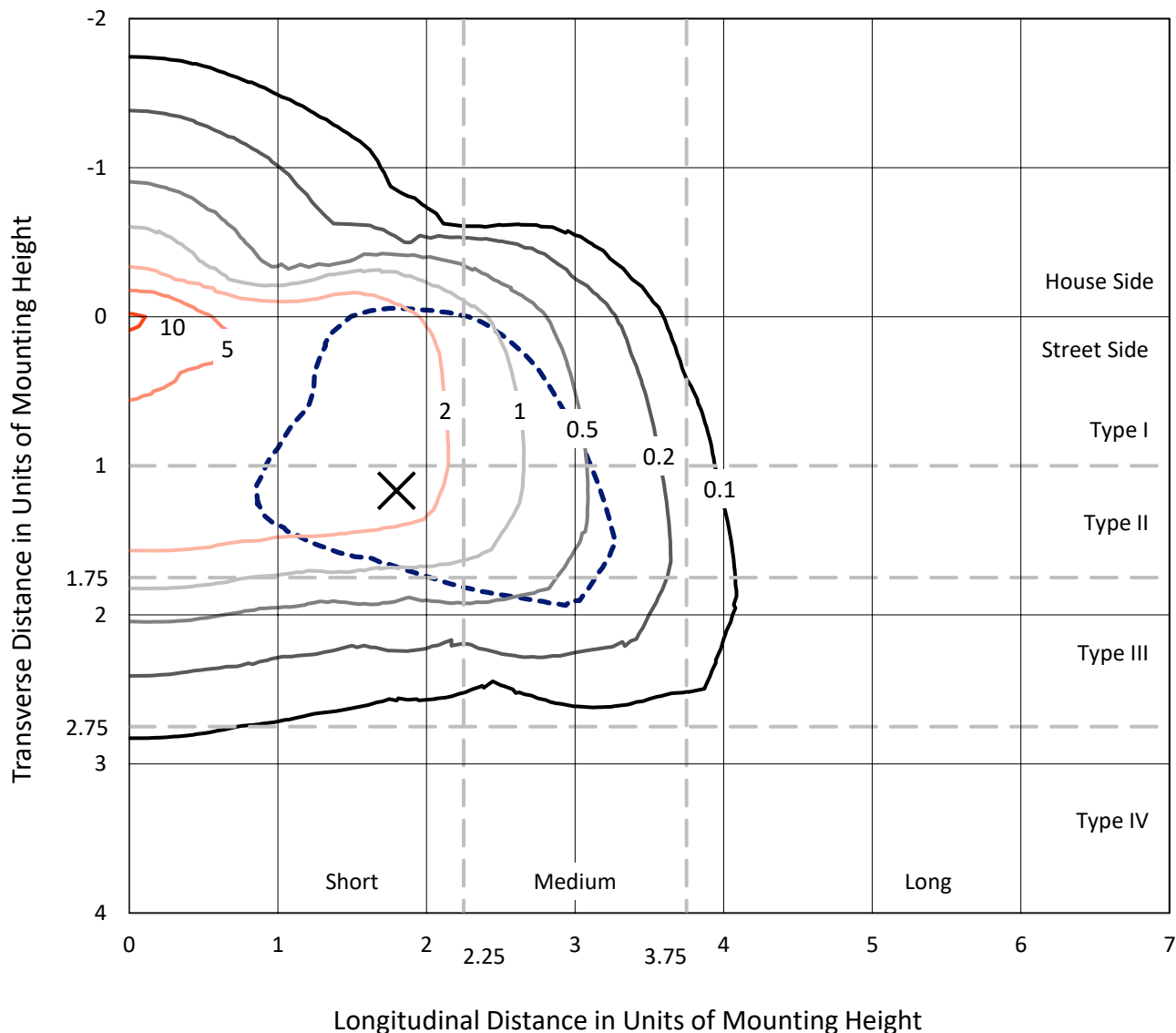
Lumens per Lamp: N/A
Luminaire Lumens: 24261.1 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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

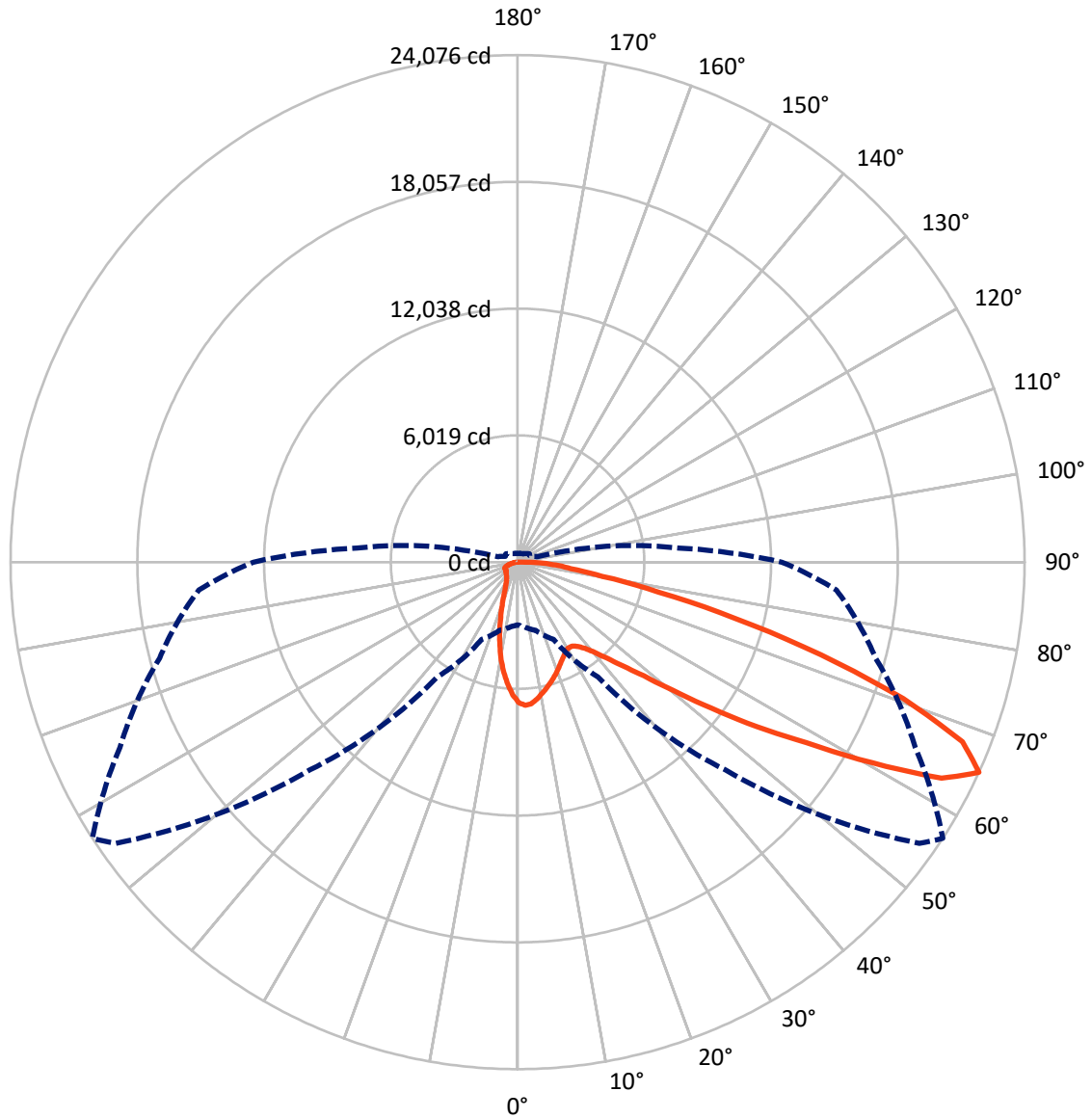
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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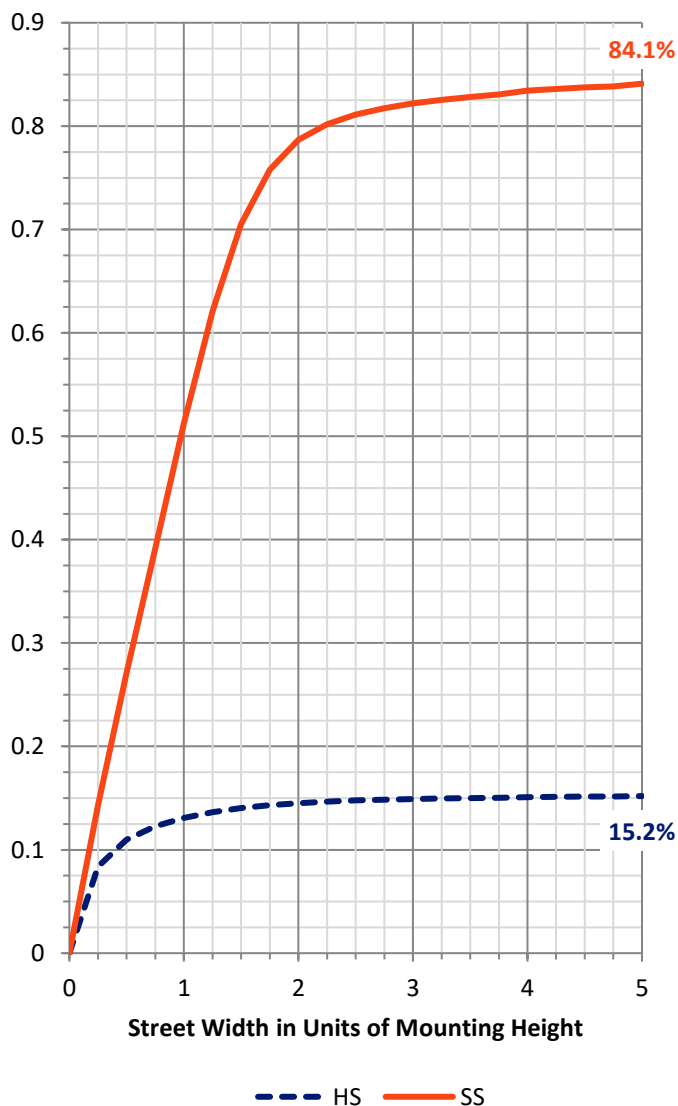
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3720.7	0.0	3720.7
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	20540.4	0.0	20540.4
	% Fixture	84.7	0.0	84.7
Total	Lumens	24261.1	0.0	24261.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.7	2.3
10°-20°	1202.4	5.0
20°-30°	1554.6	6.4
30°-40°	2091.9	8.6
40°-50°	3335.7	13.7
50°-60°	5891.6	24.3
60°-70°	6481.6	26.7
70°-80°	2711.3	11.2
80°-90°	433.3	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°	24261.1	100.0
0°-180°	24261.1	100.0

Coefficient of Utilization



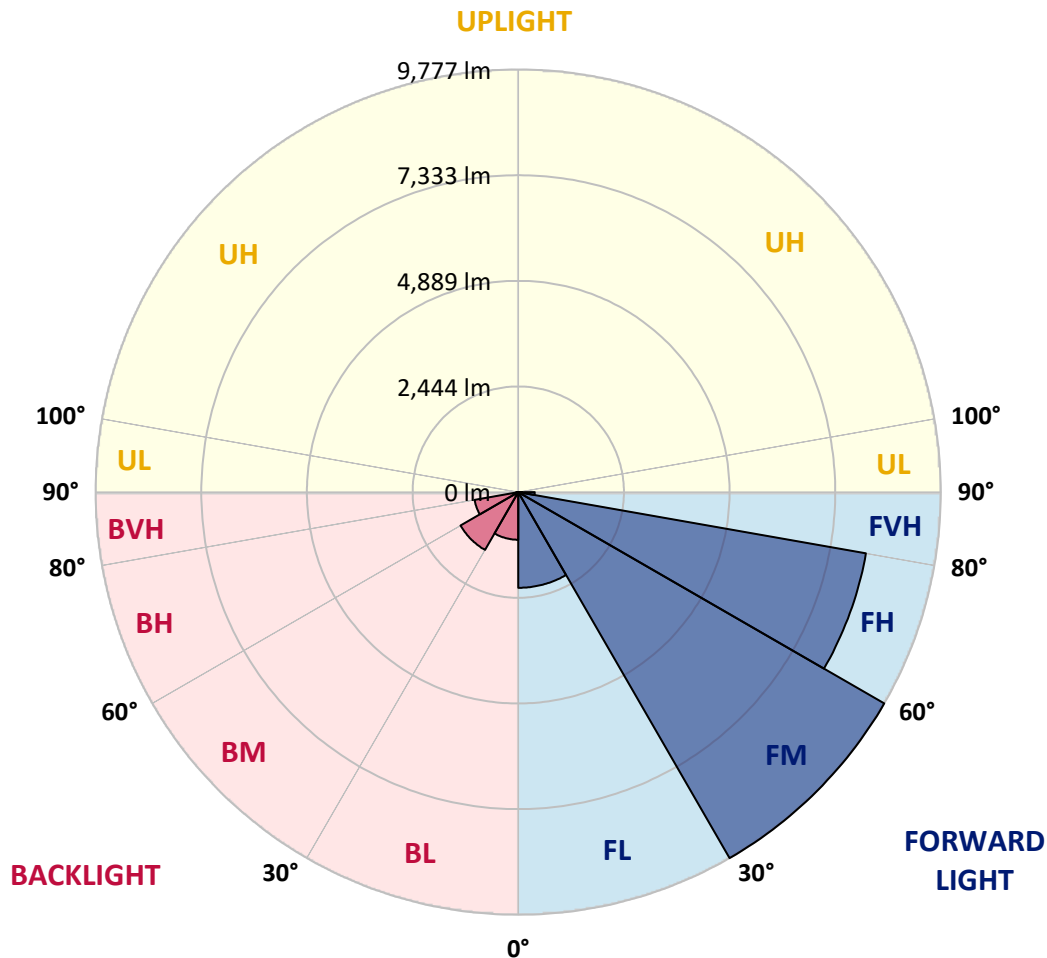
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2213.7	9.1			
FM (30°-60°)	9777.2	40.3			
FH (60°-80°)	8167.0	33.7			G4/12000
FVH (80°-90°)	382.5	1.6			G3/500
BL (0°-30°)	1101.9	4.5	B3/2500		
BM (30°-60°)	1542.0	6.4	B2/2500		
BH (60°-80°)	1025.9	4.2	B3/2500		G3/2500
BVH (80°-90°)	50.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5
2.5°	6851.6	6862.5	6862.5	6884.4	6810.7	6846.2	6840.7	6807.9	6818.9	6761.5	6704.2
5°	6657.8	6649.6	6693.3	6698.8	6756.1	6772.5	6786.1	6764.3	6769.7	6644.2	6589.6
7.5°	6161.0	6158.3	6232.0	6294.8	6414.9	6526.8	6600.5	6578.6	6608.7	6529.5	6401.2
10°	5571.4	5634.2	5710.6	5773.4	5994.5	6136.4	6327.5	6346.6	6461.3	6442.2	6210.1
12.5°	5129.2	5156.5	5213.8	5393.9	5595.9	5830.7	6103.7	6128.2	6240.2	6294.8	6092.8
15°	4766.1	4790.7	4864.4	4998.1	5224.7	5503.1	5849.8	5912.6	6136.4	6155.5	5939.9
17.5°	4501.3	4520.4	4569.6	4703.3	4888.9	5246.5	5574.1	5686.0	5980.8	6073.6	5781.6
20°	4397.6	4356.6	4383.9	4468.6	4654.2	4929.9	5353.0	5451.3	5828.0	6010.9	5631.4
22.5°	4351.2	4315.7	4332.1	4326.6	4474.0	4670.6	5115.5	5219.2	5683.3	5937.2	5497.7
25°	4386.7	4386.7	4370.3	4356.6	4373.0	4501.3	4858.9	5020.0	5489.5	5874.4	5361.2
27.5°	4577.8	4504.1	4512.2	4454.9	4438.5	4438.5	4744.3	4839.8	5426.7	5838.9	5249.3
30°	4700.6	4736.1	4738.8	4654.2	4569.6	4416.7	4637.8	4730.6	5374.8	5882.6	5183.8
32.5°	5014.5	4998.1	4951.7	4935.3	4809.8	4637.8	4689.7	4752.5	5344.8	5980.8	5202.9
35°	5328.4	5320.2	5323.0	5314.8	5183.8	4929.9	4828.9	4913.5	5399.4	6152.8	5268.4
37.5°	5653.3	5675.1	5767.9	5767.9	5628.7	5353.0	5219.2	5194.7	5598.7	6434.0	5424.0
40°	5978.1	6032.7	6150.1	6335.7	6139.2	5882.6	5666.9	5628.7	5838.9	6810.7	5797.9
42.5°	6289.3	6379.4	6611.4	6887.1	6821.6	6565.0	6278.4	6234.7	6333.0	7370.3	6319.3
45°	6687.8	6764.3	7130.1	7553.2	7643.2	7416.7	7080.9	7045.4	7040.0	8189.2	7037.2
47.5°	7293.8	7375.7	7741.5	8167.3	8445.8	8481.3	8104.6	8066.3	7935.3	9294.7	8088.2
50°	8052.7	8186.5	8494.9	8991.7	9395.7	9775.2	9668.7	9556.8	9300.2	10580.4	9420.3
52.5°	8606.8	8770.6	9188.3	9824.3	10536.8	11140.0	11522.2	11522.2	10932.6	11991.7	11022.6
55°	8754.2	8852.5	9379.3	10299.3	11519.5	13045.4	13845.2	13785.1	12876.1	13476.7	12887.0
57.5°	8167.3	8295.6	8934.4	9898.0	12035.4	14827.9	16151.8	16165.5	14999.9	15201.9	14726.9
60°	6551.3	6592.3	7345.7	8634.1	11538.6	16263.7	19301.9	19353.8	17415.7	16738.7	15663.2
62.5°	4528.6	4659.6	5227.4	6357.5	9559.5	16102.7	22340.1	22596.7	19351.0	17549.4	15810.6
65°	2980.9	3060.0	3363.0	4050.9	6655.1	13957.1	23284.6	24076.2	20830.6	17595.8	15193.7
67.5°	2161.9	2175.6	2265.7	2620.5	3999.1	10037.2	21671.3	22787.8	21384.7	17208.2	13746.9
70°	1747.0	1757.9	1790.7	2017.3	2582.3	6281.1	17675.0	19424.7	19722.3	15371.1	11071.8
72.5°	1419.5	1433.1	1474.1	1687.0	2129.2	3494.1	12925.3	15057.2	16042.6	11372.0	7359.3
75°	1116.5	1127.4	1225.6	1435.8	2000.9	2399.4	8574.1	10662.3	10796.1	6646.9	3444.9
77.5°	764.3	783.4	903.5	1217.5	1883.5	2099.2	5344.8	6829.8	6128.2	2601.4	1184.7
80°	485.9	513.2	584.2	922.6	1665.1	2003.6	3324.8	4078.2	2683.3	889.9	570.5
82.5°	286.6	313.9	384.9	597.8	1307.5	1858.9	2342.1	2552.3	1258.4	455.9	343.9
85°	158.3	177.4	232.0	360.3	767.1	1651.5	1875.3	1831.6	720.6	242.9	215.6
87.5°	51.9	60.1	84.6	144.7	316.6	778.0	1124.6	1056.4	374.0	111.9	84.6
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°	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5	6671.5
2.5°	6666.0	6657.8	6535.0	6442.2	6283.8	6152.8	6100.9	6030.0	6027.2	5975.4	5961.7
5°	6504.9	6420.3	6232.0	6051.8	5770.6	5582.3	5410.3	5290.2	5241.1	5134.6	5110.1
7.5°	6297.5	6185.6	5896.2	5557.7	5227.4	4932.6	4665.1	4397.6	4247.5	4195.6	4138.3
10°	6081.8	5885.3	5456.7	5077.3	4616.0	4162.8	3742.5	3365.8	3161.0	3016.3	2953.6
12.5°	5909.9	5647.8	5101.9	4534.1	3925.3	3319.3	2830.7	2434.9	2202.9	2093.7	2044.6
15°	5716.1	5369.4	4714.2	3996.3	3237.5	2549.6	2071.9	1760.7	1667.9	1616.0	1607.8
17.5°	5511.3	5110.1	4293.9	3466.8	2565.9	1919.0	1610.5	1485.0	1444.0	1422.2	1411.3
20°	5320.2	4878.0	3862.6	2877.1	2009.1	1539.6	1394.9	1329.4	1326.6	1337.6	1334.8
22.5°	5050.0	4575.0	3436.7	2331.2	1605.1	1340.3	1247.5	1231.1	1247.5	1261.1	1266.6
25°	4897.1	4326.6	2961.8	1850.8	1326.6	1190.2	1160.1	1154.7	1179.2	1195.6	1192.9
27.5°	4738.8	4070.0	2519.5	1482.2	1162.9	1083.7	1078.2	1083.7	1108.3	1132.8	1130.1
30°	4616.0	3865.3	2104.6	1239.3	1037.3	1007.3	1001.8	1007.3	1020.9	1023.6	1023.6
32.5°	4515.0	3622.3	1752.5	1075.5	960.9	936.3	941.8	939.0	941.8	944.5	947.2
35°	4454.9	3477.7	1463.1	974.5	898.1	879.0	876.2	868.1	870.8	873.5	870.8
37.5°	4583.2	3406.7	1233.8	903.5	854.4	838.0	832.6	827.1	818.9	818.9	818.9
40°	4777.0	3368.5	1094.6	857.1	821.6	802.5	786.2	780.7	780.7	783.4	786.2
42.5°	5161.9	3431.3	999.1	821.6	780.7	758.9	742.5	745.2	753.4	761.6	756.1
45°	5718.8	3622.3	955.4	794.4	756.1	726.1	715.2	712.5	720.6	734.3	745.2
47.5°	6447.6	3919.9	939.0	769.8	739.8	698.8	685.2	693.4	704.3	723.4	715.2
50°	7640.5	4588.7	952.7	747.9	715.2	685.2	668.8	660.6	668.8	682.4	687.9
52.5°	9199.2	5803.4	1004.5	737.0	698.8	674.2	646.9	633.3	641.5	652.4	652.4
55°	11063.6	7463.1	1149.2	723.4	671.5	657.9	627.8	600.5	606.0	606.0	603.3
57.5°	12706.9	8716.0	1321.2	704.3	655.1	636.0	597.8	565.1	559.6	562.3	565.1
60°	13443.9	9049.0	1403.1	698.8	655.1	608.7	556.9	524.1	515.9	510.5	510.5
62.5°	13315.6	8473.1	1236.6	674.2	671.5	586.9	518.6	483.2	472.2	461.3	464.1
65°	12540.4	7651.4	974.5	641.5	674.2	573.2	480.4	444.9	425.8	412.2	409.5
67.5°	11123.6	6532.2	772.5	616.9	646.9	548.7	447.7	406.7	390.4	376.7	371.2
70°	8702.4	5121.0	671.5	584.2	581.4	488.6	409.5	374.0	349.4	333.0	333.0
72.5°	5642.3	3237.5	576.0	518.6	502.3	409.5	354.9	333.0	313.9	300.3	300.3
75°	2555.0	1504.1	464.1	434.0	409.5	327.6	300.3	289.4	273.0	259.3	259.3
77.5°	917.2	641.5	346.7	341.2	305.7	253.9	242.9	234.8	223.8	210.2	210.2
80°	513.2	406.7	259.3	248.4	212.9	188.4	174.7	174.7	169.2	161.1	158.3
82.5°	324.8	264.8	191.1	166.5	139.2	125.6	120.1	117.4	114.6	103.7	101.0
85°	204.7	180.2	125.6	98.3	81.9	62.8	60.1	57.3	51.9	46.4	46.4
87.5°	92.8	103.7	49.1	30.0	21.8	13.6	8.2	2.7	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)