

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: P481292

Luminaire Tested: **IFLD-S-SA6B-740-U-RW**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481292
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-RW
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

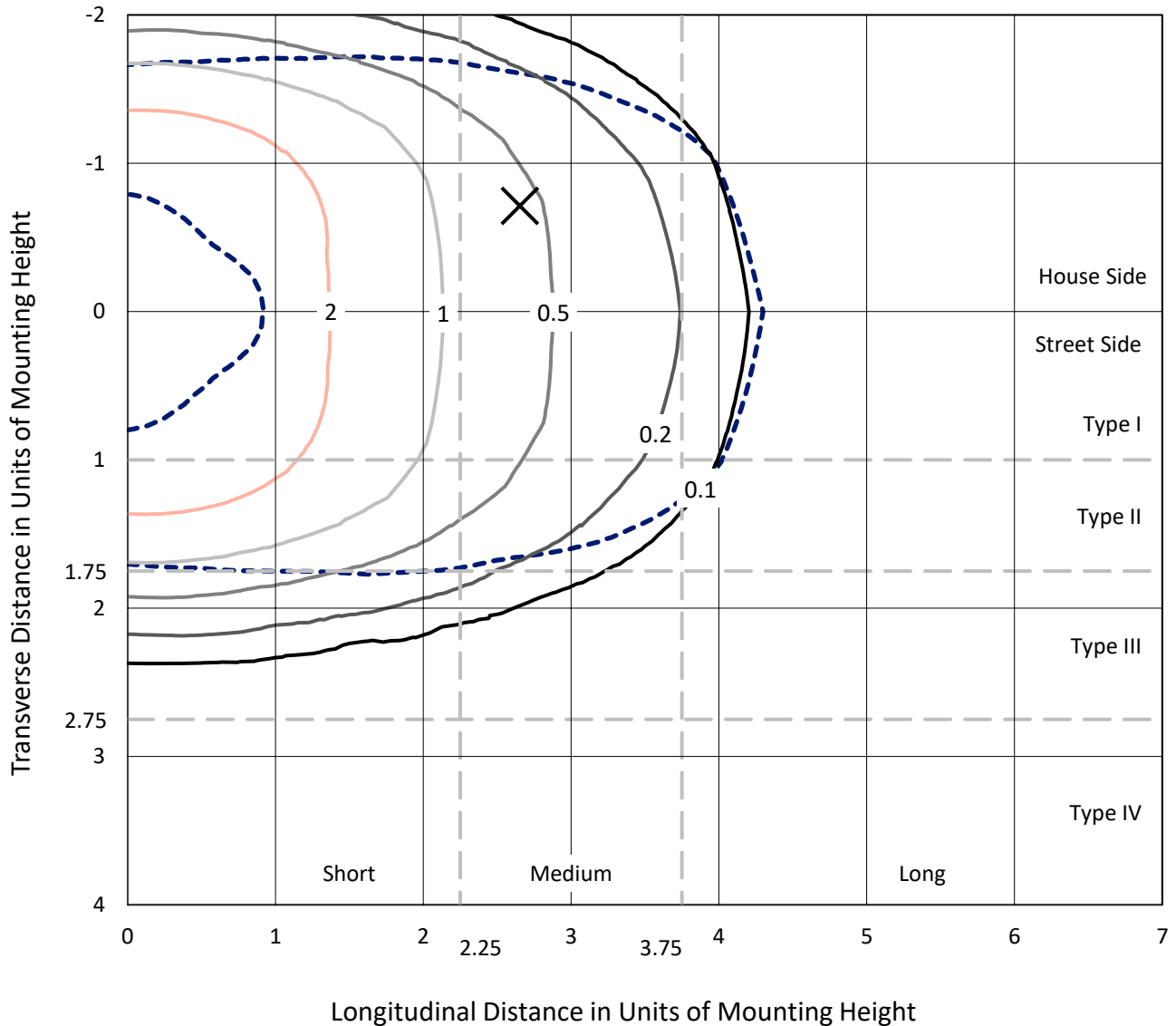
Lumens per Lamp: N/A
Luminaire Lumens: 34382 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

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

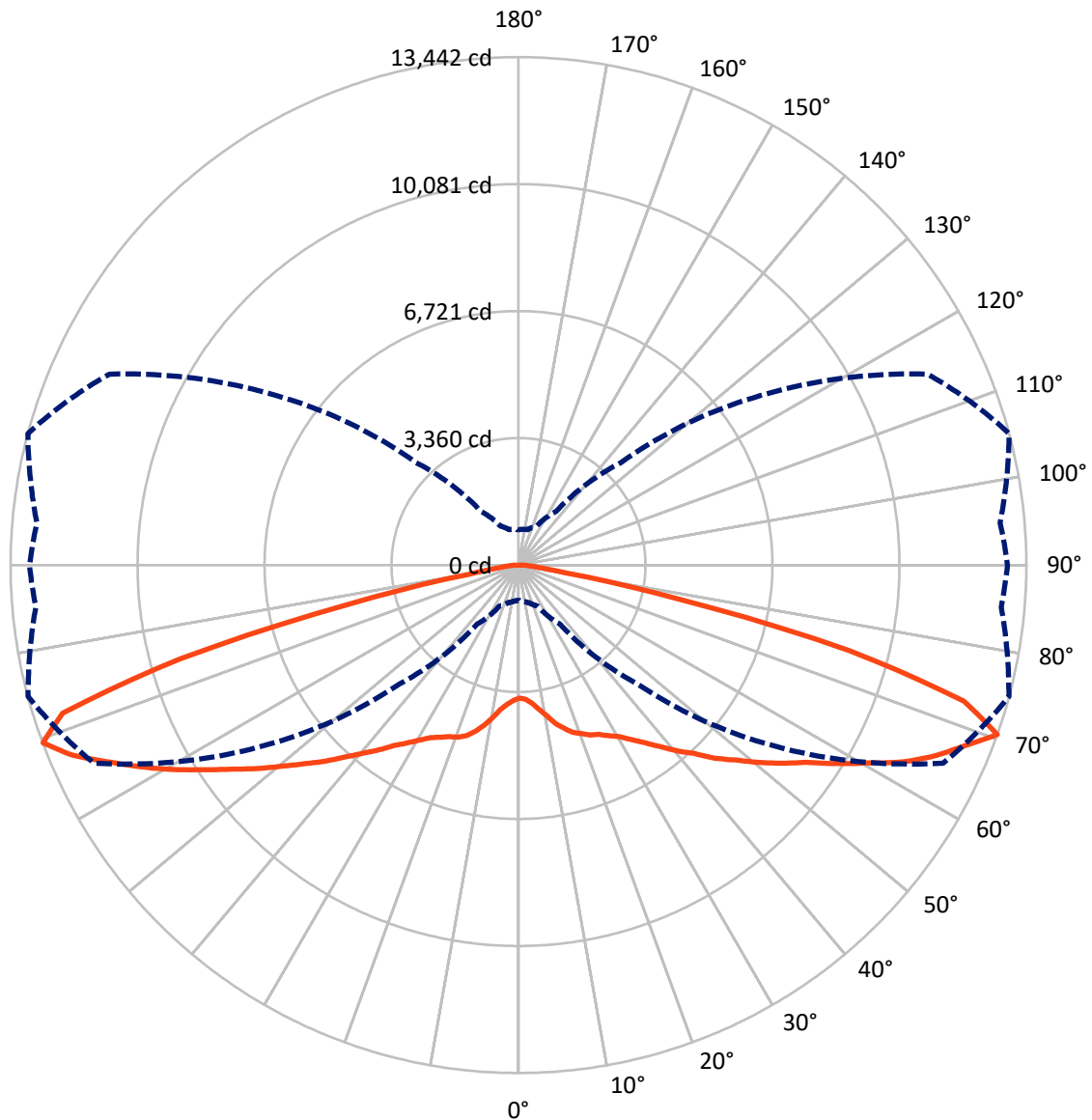
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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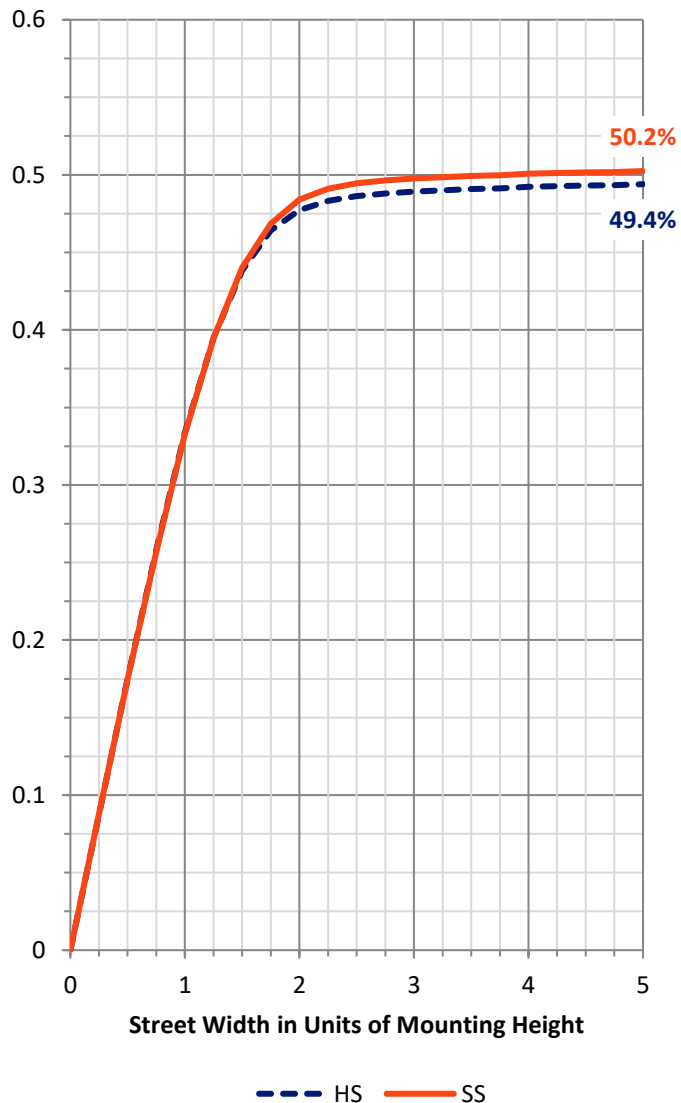
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17068.7	0.0	17068.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	17313.3	0.0	17313.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	34382.0	0.0	34382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.4	1.0
10°-20°	1193.2	3.5
20°-30°	2310.4	6.7
30°-40°	3907.8	11.4
40°-50°	6234.1	18.1
50°-60°	8533.2	24.8
60°-70°	8043.1	23.4
70°-80°	3543.2	10.3
80°-90°	266.6	0.8
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°	34382.0	100.0
0°-180°	34382.0	100.0

Coefficient of Utilization

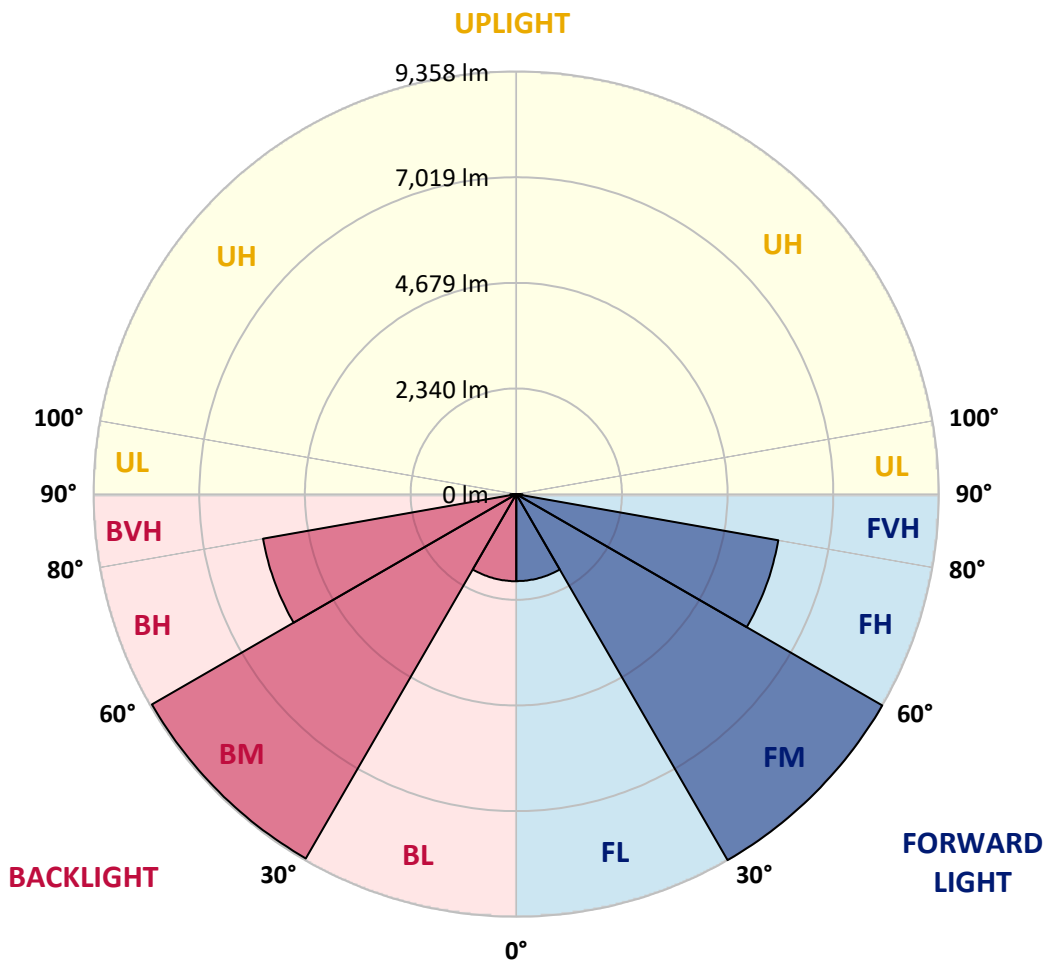


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1925.9	5.6			
FM (30°-60°)	9358.5	27.2			
FH (60°-80°)	5892.7	17.1			G3/7500
FVH (80°-90°)	136.2	0.4			G2/225
BL (0°-30°)	1928.0	5.6	B3/2500		
BM (30°-60°)	9316.6	27.1	B5		
BH (60°-80°)	5693.6	16.6	B5		G5
BVH (80°-90°)	130.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7
2.5°	3498.4	3498.4	3494.7	3513.3	3531.8	3539.2	3554.0	3557.7	3580.0	3561.4	3598.5
5°	3487.3	3483.6	3513.3	3557.7	3557.7	3605.9	3635.6	3676.3	3687.4	3709.7	3717.1
7.5°	3565.2	3557.7	3542.9	3591.1	3631.9	3706.0	3746.7	3817.2	3843.1	3872.7	3906.1
10°	3613.3	3613.3	3598.5	3683.7	3720.8	3820.9	3909.8	3980.2	4080.3	4113.6	4117.3
12.5°	3620.7	3631.9	3676.3	3787.5	3891.3	4021.0	4087.7	4221.1	4321.2	4384.2	4406.4
15°	3731.9	3709.7	3757.9	3909.8	4061.8	4176.6	4295.2	4391.6	4536.1	4617.7	4669.5
17.5°	3832.0	3809.7	3898.7	4080.3	4235.9	4413.8	4517.6	4621.4	4725.1	4799.2	4802.9
20°	3991.3	4009.9	4087.7	4284.1	4487.9	4643.6	4762.2	4780.7	4832.6	4940.1	4921.5
22.5°	4187.8	4172.9	4336.0	4550.9	4773.3	4903.0	4969.7	4921.5	4895.6	5010.5	5036.4
25°	4384.2	4428.6	4576.9	4777.0	5043.8	5218.0	5236.5	5103.1	5006.8	5047.5	5036.4
27.5°	4684.4	4691.8	4847.4	5084.6	5355.1	5507.1	5496.0	5307.0	5121.7	5125.4	5132.8
30°	5069.8	5032.7	5203.2	5418.1	5685.0	5822.1	5840.6	5570.1	5321.8	5247.7	5266.2
32.5°	5440.4	5484.8	5633.1	5877.7	6074.1	6151.9	6111.2	5870.3	5547.9	5447.8	5458.9
35°	5914.7	5907.3	6111.2	6318.7	6466.9	6481.8	6448.4	6096.3	5792.4	5662.7	5610.9
37.5°	6422.5	6489.2	6622.6	6793.1	6948.7	6956.1	6774.5	6492.9	6118.6	5903.6	5966.6
40°	6989.5	7063.6	7160.0	7408.3	7523.1	7404.5	7219.2	6837.5	6448.4	6259.4	6289.0
42.5°	7489.8	7523.1	7719.6	8012.3	8067.9	8016.0	7741.8	7278.5	6826.4	6618.9	6633.7
45°	7949.3	7993.8	8249.5	8512.6	8642.3	8553.4	8234.7	7793.7	7267.4	7089.5	7019.1
47.5°	8371.8	8460.8	8709.1	8979.6	9179.7	9187.1	8794.3	8260.6	7704.7	7471.3	7467.5
50°	8657.2	8786.9	9031.5	9339.1	9631.8	9746.7	9353.9	8779.5	8182.8	7934.5	7908.6
52.5°	8812.8	8946.2	9190.8	9668.9	9995.0	10172.9	9987.6	9264.9	8742.4	8483.0	8442.2
55°	8623.8	8712.8	9113.0	9783.8	10287.8	10580.6	10458.3	9935.7	9298.3	9087.1	9124.1
57.5°	7819.6	8004.9	8497.8	9335.4	10280.4	10999.3	10988.2	10569.5	9939.4	9739.3	9746.7
60°	6437.3	6592.9	7200.7	8371.8	9865.3	11169.8	11562.7	11184.6	10658.4	10424.9	10417.5
62.5°	4543.5	4739.9	5444.1	6722.6	8642.3	10932.6	12222.3	11959.2	11362.5	11192.1	11255.1
65°	2542.3	2660.9	3313.1	4469.4	6585.5	9628.1	12340.9	12763.4	12077.8	11818.4	11829.5
67.5°	1360.1	1404.6	1708.5	2345.9	4028.4	7423.1	11143.9	13226.6	12852.3	12403.9	12333.5
70°	933.9	948.7	1026.6	1200.7	1904.9	4439.8	8405.2	12400.2	13434.2	12822.7	12941.3
72.5°	789.4	782.0	800.5	819.0	996.9	1986.4	4932.7	9542.9	12681.9	12452.1	12407.6
75°	685.6	681.9	689.3	670.8	693.0	874.6	2182.8	5948.1	9283.5	10361.9	10528.7
77.5°	567.0	570.7	574.4	555.9	548.5	578.1	878.3	2612.7	4569.5	5043.8	5440.4
80°	429.9	437.3	467.0	448.4	418.8	422.5	518.8	874.6	1311.9	1189.6	1226.7
82.5°	292.8	296.5	359.5	337.2	315.0	285.4	333.5	452.1	511.4	389.1	341.0
85°	207.5	203.8	233.5	214.9	200.1	144.5	200.1	255.7	307.6	192.7	174.2
87.5°	48.2	48.2	96.4	77.8	74.1	59.3	77.8	100.1	133.4	85.2	77.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7	3520.7
2.5°	3587.4	3554.0	3554.0	3546.6	3517.0	3509.6	3483.6	3491.0	3472.5	3454.0
5°	3713.4	3668.9	3668.9	3605.9	3546.6	3539.2	3509.6	3509.6	3479.9	3487.3
7.5°	3887.6	3846.8	3780.1	3724.5	3643.0	3609.6	3554.0	3546.6	3539.2	3524.4
10°	4095.1	4043.2	3976.5	3861.6	3794.9	3731.9	3676.3	3598.5	3580.0	3583.7
12.5°	4376.8	4295.2	4150.7	4050.6	3965.4	3883.9	3802.3	3687.4	3661.5	3672.6
15°	4576.9	4473.1	4328.6	4291.5	4176.6	4076.6	3943.2	3813.5	3769.0	3757.9
17.5°	4739.9	4654.7	4569.5	4513.9	4421.2	4298.9	4113.6	3965.4	3865.3	3854.2
20°	4873.4	4762.2	4743.7	4777.0	4662.1	4580.6	4354.5	4172.9	4039.5	3983.9
22.5°	4954.9	4884.5	4936.4	4966.0	4958.6	4821.5	4588.0	4376.8	4210.0	4158.1
25°	5043.8	4962.3	5147.6	5247.7	5273.6	5047.5	4866.0	4588.0	4424.9	4391.6
27.5°	5088.3	5118.0	5332.9	5544.1	5525.6	5351.4	5106.8	4858.5	4728.8	4669.5
30°	5218.0	5266.2	5592.3	5829.5	5833.2	5662.7	5477.4	5195.8	5051.3	5025.3
32.5°	5451.5	5510.8	5859.2	6111.2	6155.6	6025.9	5840.6	5666.4	5518.2	5458.9
35°	5629.4	5781.3	6174.2	6403.9	6522.5	6444.7	6340.9	6159.3	6003.7	5951.8
37.5°	5885.1	6096.3	6474.3	6785.6	6919.1	6911.7	6833.8	6637.4	6507.7	6463.2
40°	6252.0	6463.2	6807.9	7219.2	7467.5	7456.4	7412.0	7260.0	7067.3	7045.1
42.5°	6641.1	6815.3	7263.7	7734.4	8090.2	8053.1	7934.5	7756.6	7623.2	7593.6
45°	7019.1	7289.7	7704.7	8308.8	8575.6	8668.3	8527.5	8223.6	8071.6	8053.1
47.5°	7493.5	7708.4	8227.3	8768.3	9164.9	9179.7	8938.8	8657.2	8379.2	8438.5
50°	7916.0	8201.3	8727.6	9320.5	9794.9	9624.4	9316.8	8964.8	8764.6	8686.8
52.5°	8368.1	8716.5	9328.0	9932.0	10195.1	10024.7	9524.4	9131.5	8827.6	8794.3
55°	9027.8	9209.4	10009.9	10473.1	10558.3	10198.9	9461.4	8905.5	8512.6	8416.3
57.5°	9698.5	9909.8	10610.2	11010.5	10921.5	10102.5	9053.7	8193.9	7678.8	7541.7
60°	10376.7	10636.2	11225.4	11592.3	11132.8	9439.1	7901.1	6793.1	6192.7	6070.4
62.5°	11132.8	11470.0	11996.3	12126.0	10506.5	8127.2	6270.5	4903.0	4295.2	4091.4
65°	11803.5	12148.2	12796.7	12014.8	9176.0	6063.0	4054.3	2801.7	2353.3	2190.2
67.5°	12355.7	12744.9	13063.6	10632.5	6718.9	3550.3	2112.4	1475.0	1308.2	1248.9
70°	12793.0	13441.6	11951.8	7815.9	3839.4	1730.7	1141.4	971.0	948.7	933.9
72.5°	12411.3	12326.1	8924.0	4510.2	1682.5	952.4	826.4	800.5	796.8	800.5
75°	10150.7	9053.7	5336.6	1960.5	845.0	689.3	685.6	674.5	693.0	693.0
77.5°	4925.2	4306.3	2231.0	841.3	555.9	541.1	559.6	559.6	559.6	559.6
80°	1141.4	1263.7	796.8	511.4	404.0	404.0	444.7	448.4	429.9	422.5
82.5°	389.1	518.8	437.3	322.4	266.8	300.2	337.2	344.7	285.4	289.1
85°	192.7	303.9	237.2	185.3	137.1	185.3	218.7	229.8	196.4	189.0
87.5°	88.9	133.4	88.9	63.0	48.2	66.7	63.0	51.9	29.6	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)