

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: P483944

Luminaire Tested: **IFLD-S-SA6B-730-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483944
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

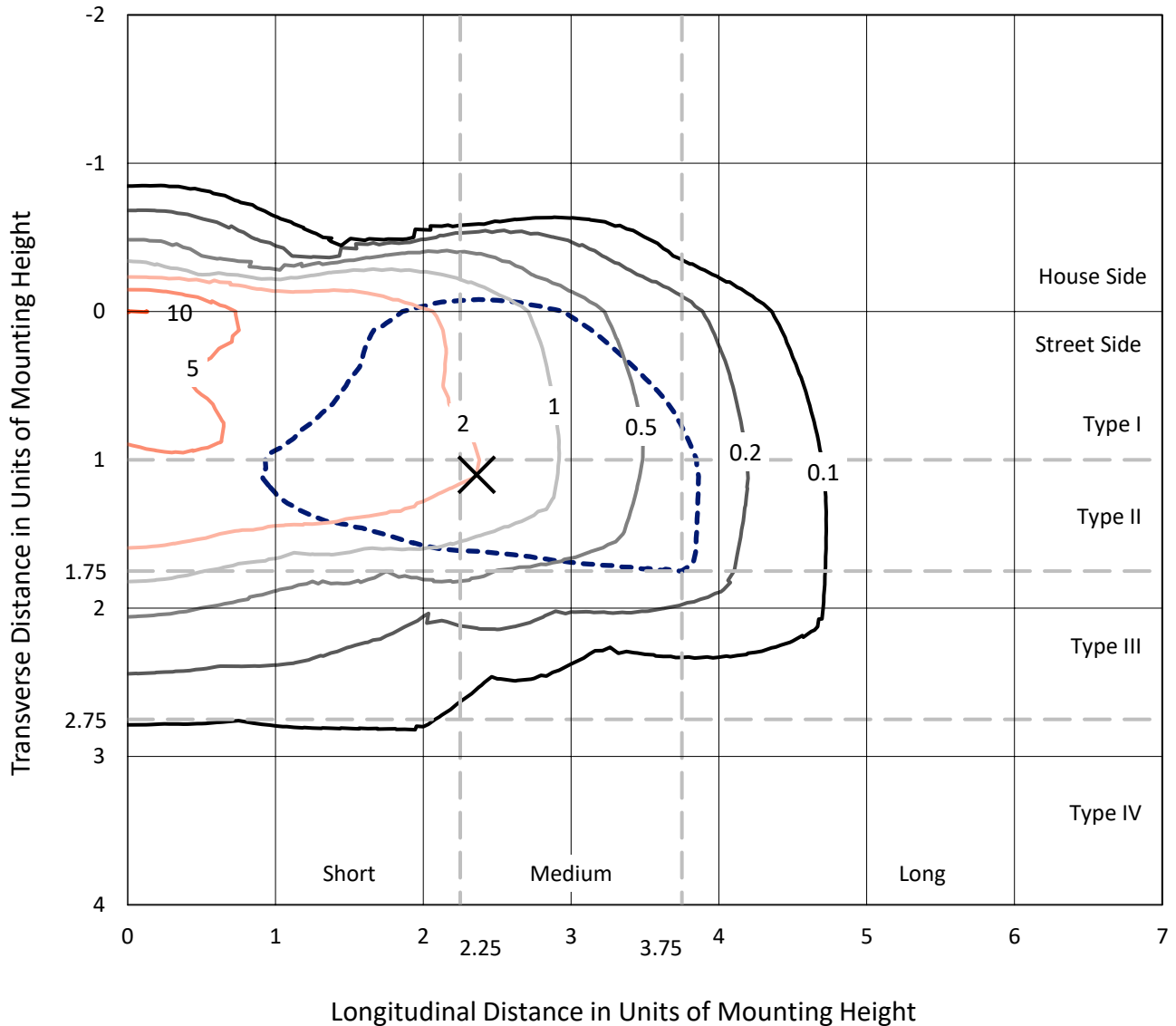
Lumens per Lamp: N/A
Luminaire Lumens: 25017.1 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

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

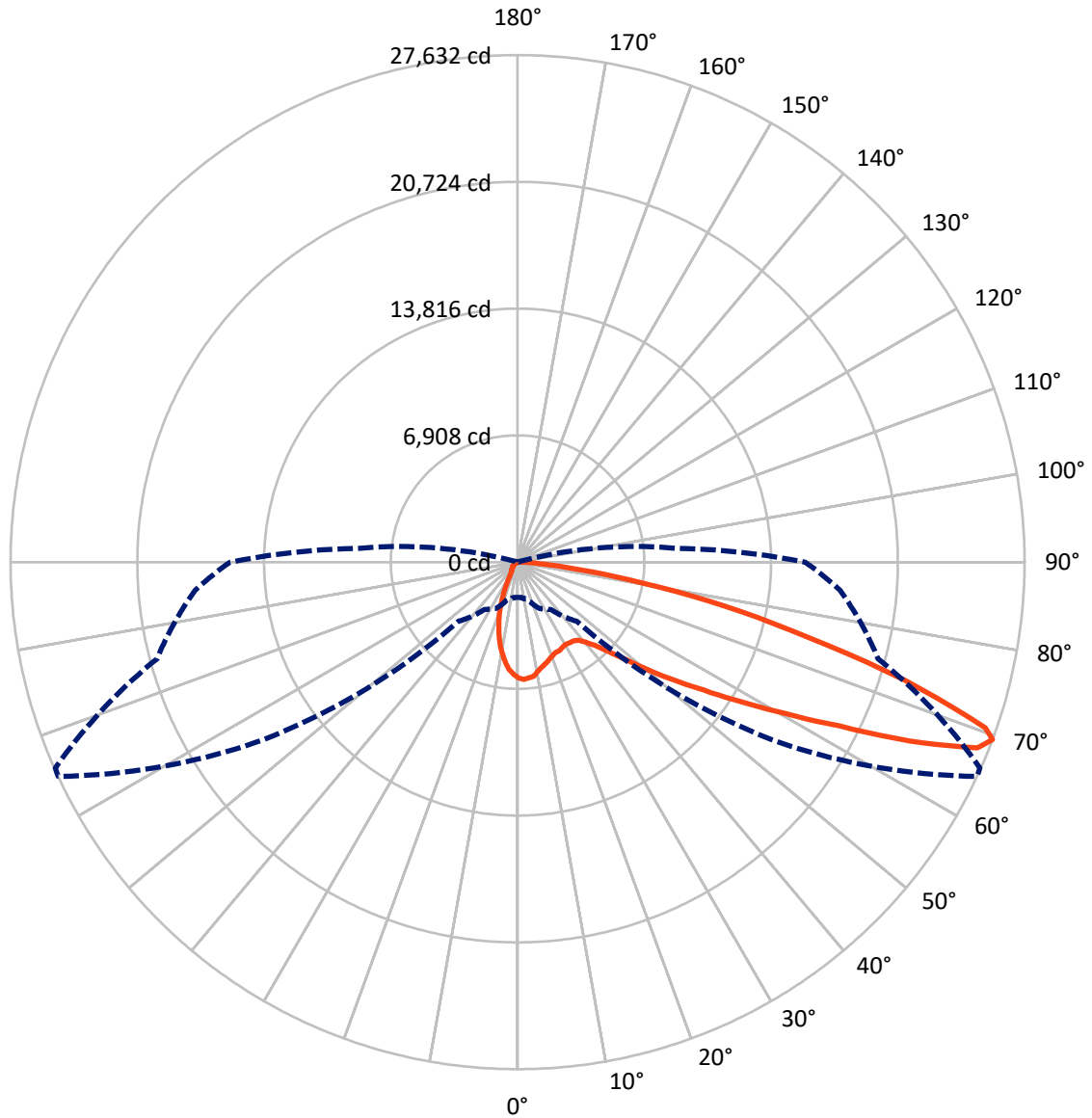
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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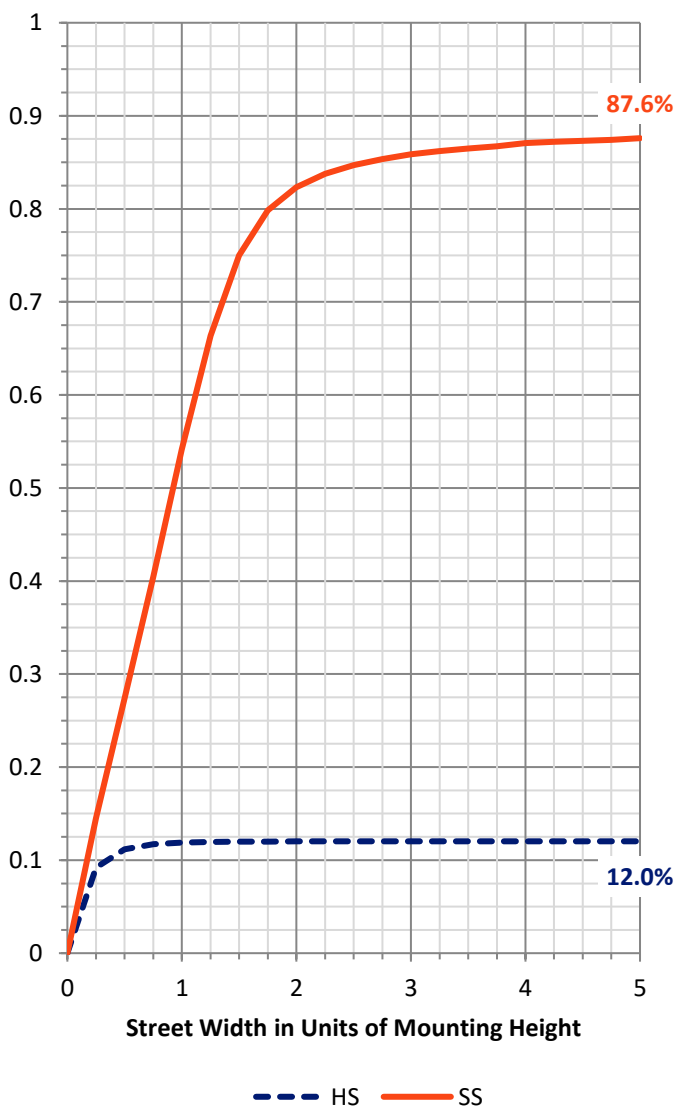
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3034.7	0.0	3034.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	21982.4	0.0	21982.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	25017.1	0.0	25017.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.1	2.1
10°-20°	1129.3	4.5
20°-30°	1572.3	6.3
30°-40°	2228.1	8.9
40°-50°	3511.4	14.0
50°-60°	5697.7	22.8
60°-70°	6363.2	25.4
70°-80°	3583.2	14.3
80°-90°	415.8	1.7
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°	25017.1	100.0
0°-180°	25017.1	100.0

Coefficient of Utilization

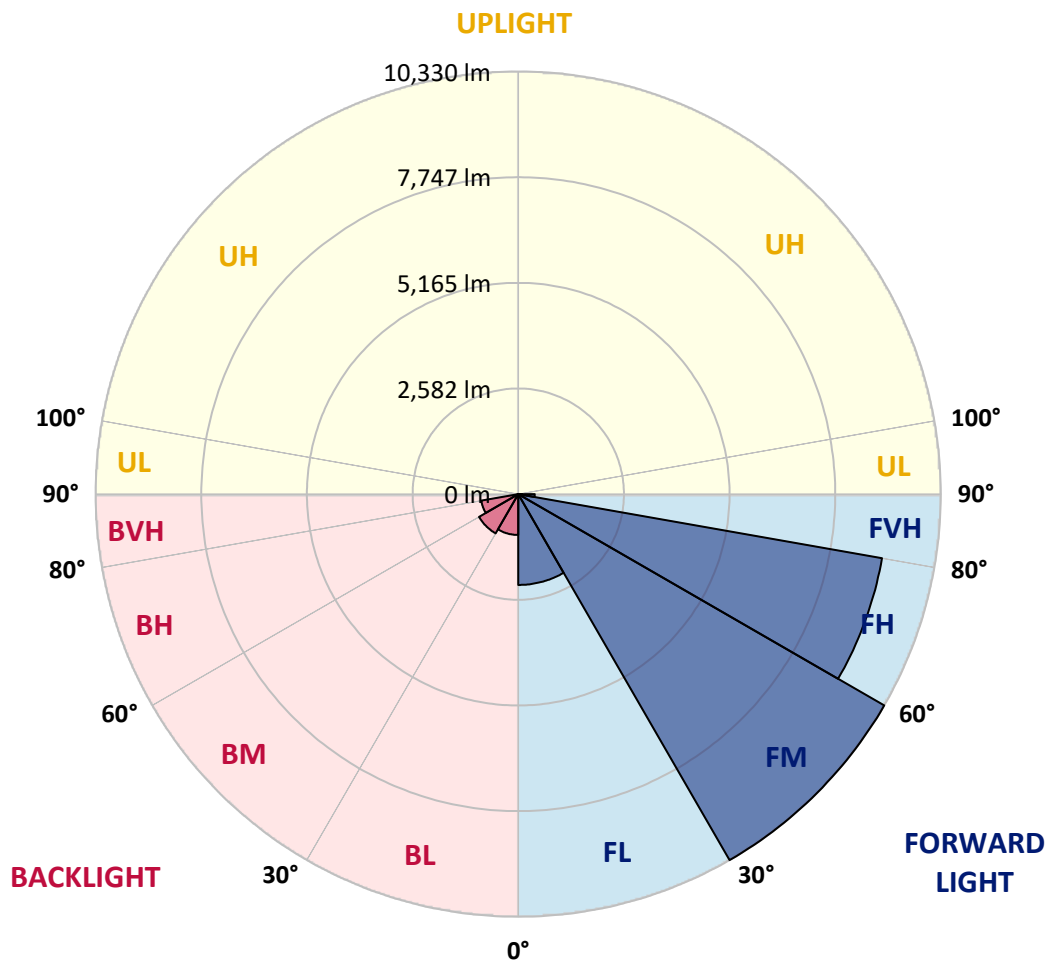


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2220.0	8.9			
FM (30°-60°)	10329.8	41.3			
FH (60°-80°)	9028.2	36.1			G4/12000
FVH (80°-90°)	404.3	1.6			G3/500
BL (0°-30°)	997.7	4.0	B2/1000		
BM (30°-60°)	1107.4	4.4	B2/2500		
BH (60°-80°)	918.2	3.7	B2/1000		G2/1000
BVH (80°-90°)	11.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4
2.5°	6074.5	6121.8	6135.3	6182.5	6206.2	6307.4	6364.8	6398.5	6381.6	6418.8	6422.1
5°	5642.6	5615.6	5686.4	5737.1	5845.1	6020.5	6199.4	6337.8	6401.9	6462.6	6452.5
7.5°	5180.2	5166.7	5237.6	5352.3	5450.2	5662.8	5949.7	6290.5	6277.0	6425.5	6469.4
10°	4863.0	4876.5	4900.1	5014.9	5160.0	5376.0	5733.7	6050.9	6121.8	6435.6	6523.4
12.5°	4572.8	4596.4	4640.3	4758.4	4927.1	5149.9	5497.5	5868.7	5976.7	6378.3	6553.8
15°	4478.3	4424.3	4512.0	4599.8	4775.3	4974.4	5268.0	5730.3	5777.6	6310.8	6604.4
17.5°	4400.7	4366.9	4407.4	4478.3	4663.9	4825.9	5102.6	5581.8	5669.6	6283.8	6597.6
20°	4424.3	4393.9	4410.8	4464.8	4549.2	4701.0	4957.5	5440.1	5534.6	6158.9	6587.5
22.5°	4491.8	4515.4	4485.0	4498.5	4525.5	4603.2	4879.9	5338.8	5419.8	6135.3	6644.9
25°	4795.5	4755.0	4714.5	4697.6	4539.0	4572.8	4856.3	5332.1	5389.5	6050.9	6597.6
27.5°	5112.7	5079.0	5062.1	4964.2	4748.3	4647.0	4859.6	5237.6	5315.2	6017.2	6540.3
30°	5497.5	5541.3	5473.8	5355.7	5055.4	4805.6	4896.8	5190.4	5298.3	5888.9	6503.1
32.5°	5902.4	5926.0	5959.8	5872.1	5484.0	5045.2	5008.1	5234.2	5241.0	5888.9	6418.8
35°	6361.4	6327.6	6415.4	6422.1	6081.3	5470.5	5220.7	5264.6	5335.5	5861.9	6388.4
37.5°	6756.2	6813.6	6914.8	7076.8	6725.9	6071.2	5551.5	5406.3	5436.7	5986.8	6412.0
40°	7188.2	7245.6	7475.1	7637.0	7437.9	6746.1	6054.3	5737.1	5760.7	6172.4	6533.5
42.5°	7664.0	7775.4	8048.8	8332.2	8278.2	7603.3	6702.2	6223.0	6212.9	6634.7	6783.2
45°	8308.6	8457.1	8754.1	9081.4	9128.7	8585.3	7566.2	6948.6	6982.3	7238.8	7299.6
47.5°	9206.3	9199.6	9489.8	9854.3	10127.6	9604.5	8598.8	7923.9	7920.5	8193.9	8065.6
50°	10073.6	10077.0	10154.6	10576.4	11285.1	11018.5	9877.9	9219.8	9182.7	9317.7	9111.8
52.5°	10475.2	10428.0	10370.6	10880.2	12176.1	12800.4	11497.8	10687.8	10657.4	10576.4	10522.5
55°	10053.4	10070.2	10066.9	10596.7	12645.2	14680.1	13576.6	12304.3	12253.7	12000.6	12074.8
57.5°	8700.1	8646.1	8764.2	9591.0	12108.6	15962.5	16549.7	14342.7	14211.0	13370.7	13202.0
60°	6476.1	6493.0	6590.9	7566.2	10775.6	16232.5	19394.7	16735.4	16168.4	14335.9	14103.1
62.5°	4522.2	4488.4	4525.5	5072.2	7704.5	15152.6	21318.3	19644.4	19097.7	15432.7	15297.7
65°	3236.4	3192.5	3341.0	3675.1	4626.8	11585.5	21591.6	23518.6	23029.3	17184.2	16860.2
67.5°	2328.6	2321.8	2493.9	3101.4	3287.0	6671.9	19566.8	27028.3	26731.3	19263.0	17811.9
69°	1927.0	1930.4	2095.7	2777.4	3138.5	4555.9	16836.6	27632.4	27578.4	20336.2	17633.0
70°	1680.6	1694.1	1886.5	2585.1	3077.8	3746.0	14514.8	27038.4	26984.4	20545.4	17042.5
72.5°	1036.0	1046.2	1299.3	2072.1	2925.9	3057.5	8679.8	22121.4	22307.1	19587.0	14683.5
75°	496.1	499.5	681.7	1498.4	2821.3	2898.9	4650.4	16323.6	16715.1	15814.0	11474.1
77.5°	263.2	263.2	327.4	796.4	2284.7	2726.8	2760.5	11514.6	11838.6	9999.4	6523.4
80°	131.6	135.0	199.1	415.1	1417.4	2672.8	2156.5	6867.6	7043.1	4080.1	2031.6
82.5°	50.6	54.0	94.5	249.7	735.7	2257.7	1893.2	3378.1	3334.2	955.1	496.1
85°	6.7	6.7	33.7	148.5	313.9	995.5	1562.5	1410.6	1363.4	209.2	239.6
87.5°	0.0	0.0	6.7	43.9	94.5	290.2	604.1	388.1	432.0	57.4	118.1
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°	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4	6307.4
2.5°	6405.3	6334.4	6226.4	6121.8	6010.4	5875.4	5726.9	5672.9	5578.5	5571.7	5625.7
5°	6398.5	6283.8	6094.8	5872.1	5554.8	5315.2	5055.4	4866.4	4721.3	4626.8	4650.4
7.5°	6432.3	6293.9	5966.5	5487.3	5079.0	4603.2	4201.6	3924.8	3671.7	3546.9	3533.4
10°	6378.3	6192.7	5713.4	5041.9	4441.2	3776.3	3189.1	2817.9	2439.9	2301.6	2308.3
12.5°	6408.6	6148.8	5440.1	4582.9	3756.1	2892.2	2190.2	1684.0	1329.6	1214.9	1201.4
15°	6428.9	6054.3	5176.9	4032.8	2996.8	1970.9	1268.9	955.1	843.7	823.4	820.1
17.5°	6351.3	5939.5	4805.6	3489.5	2220.6	1198.0	843.7	779.6	759.3	745.8	739.1
20°	6347.9	5872.1	4485.0	2932.7	1481.5	816.7	728.9	705.3	674.9	664.8	664.8
22.5°	6290.5	5730.3	4100.3	2321.8	944.9	701.9	654.7	617.6	583.8	570.3	567.0
25°	6273.6	5565.0	3739.2	1744.7	718.8	627.7	580.5	526.5	486.0	465.7	455.6
27.5°	6226.4	5423.2	3374.7	1228.4	627.7	560.2	499.5	442.1	394.8	364.5	361.1
30°	6057.7	5274.7	2969.8	850.4	570.3	496.1	428.6	361.1	313.9	293.6	286.9
32.5°	5986.8	5136.4	2527.7	654.7	519.7	438.7	361.1	300.4	263.2	243.0	239.6
35°	5902.4	4933.9	2099.1	570.3	472.5	381.3	303.7	253.1	222.7	205.9	205.9
37.5°	5912.6	4771.9	1697.5	516.3	421.8	327.4	259.9	216.0	189.0	172.1	172.1
40°	5882.2	4643.6	1319.5	469.1	374.6	280.1	219.4	182.2	158.6	141.7	138.4
42.5°	6020.5	4609.9	995.5	428.6	327.4	239.6	189.0	155.2	131.6	111.4	111.4
45°	6253.4	4663.9	776.2	391.5	280.1	205.9	162.0	128.2	104.6	91.1	87.7
47.5°	6874.4	4876.5	607.5	361.1	239.6	178.9	135.0	104.6	84.4	70.9	67.5
50°	7775.4	5352.3	516.3	317.2	202.5	151.9	111.4	81.0	67.5	54.0	50.6
52.5°	9057.8	6152.2	469.1	280.1	168.7	124.9	87.7	64.1	50.6	40.5	37.1
55°	10455.0	7151.1	425.2	236.2	141.7	101.2	70.9	50.6	37.1	27.0	23.6
57.5°	11545.0	8015.0	388.1	195.7	114.7	81.0	54.0	37.1	27.0	16.9	13.5
60°	12736.3	8622.5	340.8	155.2	94.5	60.7	40.5	27.0	20.2	10.1	10.1
62.5°	13964.7	9334.5	280.1	121.5	74.2	47.2	30.4	20.2	13.5	3.4	3.4
65°	15672.3	9891.4	216.0	94.5	57.4	33.7	23.6	16.9	6.7	0.0	0.0
67.5°	16154.9	9618.0	158.6	74.2	40.5	23.6	16.9	10.1	3.4	0.0	0.0
69°	15672.3	8663.0	138.4	64.1	33.7	20.2	13.5	6.7	3.4	0.0	0.0
70°	14791.5	7920.5	121.5	54.0	30.4	20.2	10.1	6.7	3.4	0.0	0.0
72.5°	12371.8	6074.5	94.5	40.5	23.6	16.9	10.1	6.7	0.0	0.0	0.0
75°	9074.7	3752.7	70.9	30.4	20.2	13.5	10.1	6.7	0.0	0.0	0.0
77.5°	4863.0	1370.1	50.6	20.2	13.5	10.1	10.1	6.7	0.0	0.0	0.0
80°	1333.0	405.0	37.1	13.5	10.1	6.7	6.7	3.4	0.0	0.0	0.0
82.5°	364.5	104.6	23.6	13.5	10.1	6.7	3.4	0.0	0.0	0.0	0.0
85°	195.7	40.5	13.5	10.1	6.7	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	101.2	13.5	10.1	6.7	6.7	3.4	0.0	0.0	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)