

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: P483867

Luminaire Tested: **IFLD-S-SA6C-722-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483867
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-722-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

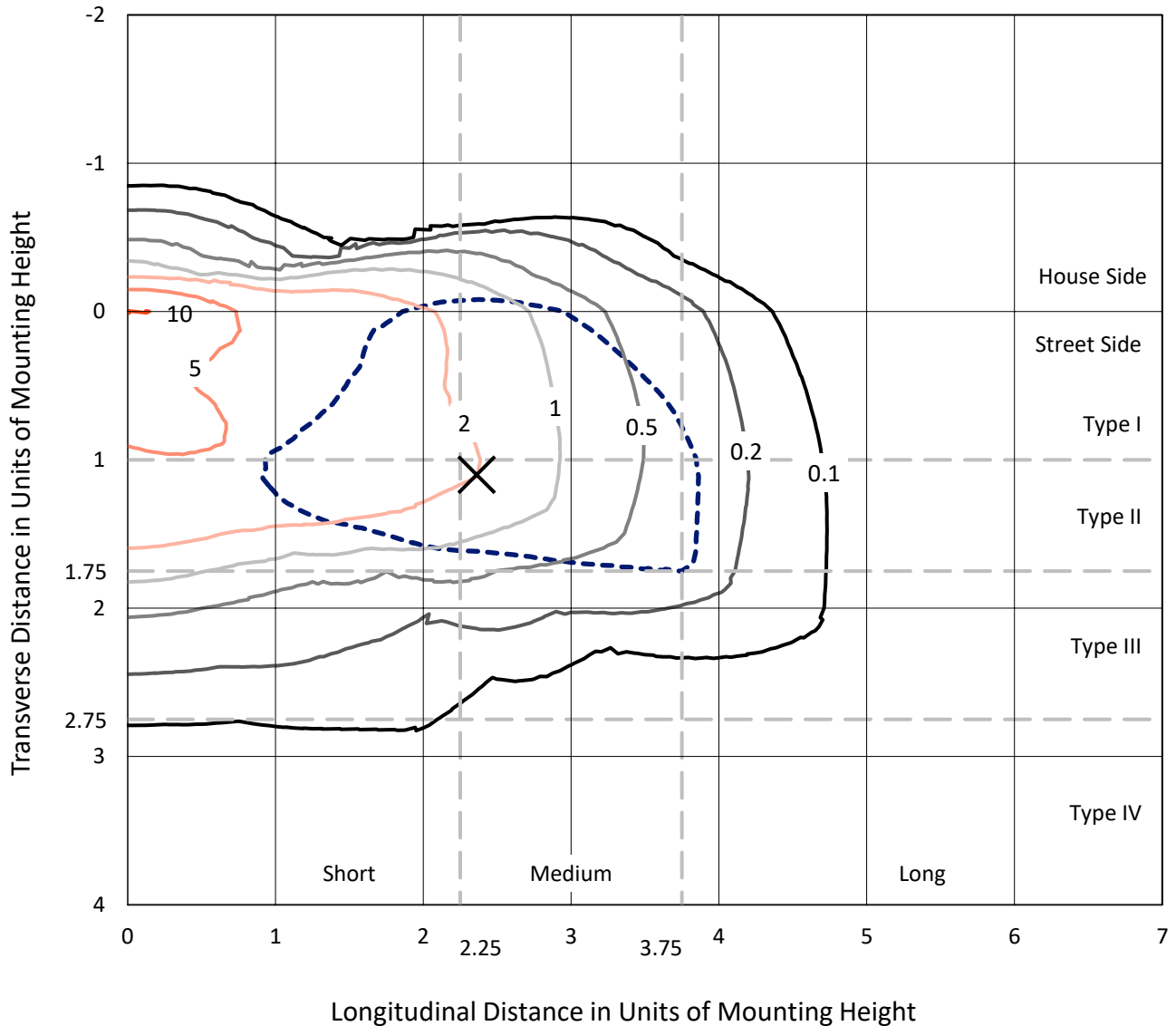
Lumens per Lamp: N/A
Luminaire Lumens: 25191.2 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 321.5
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

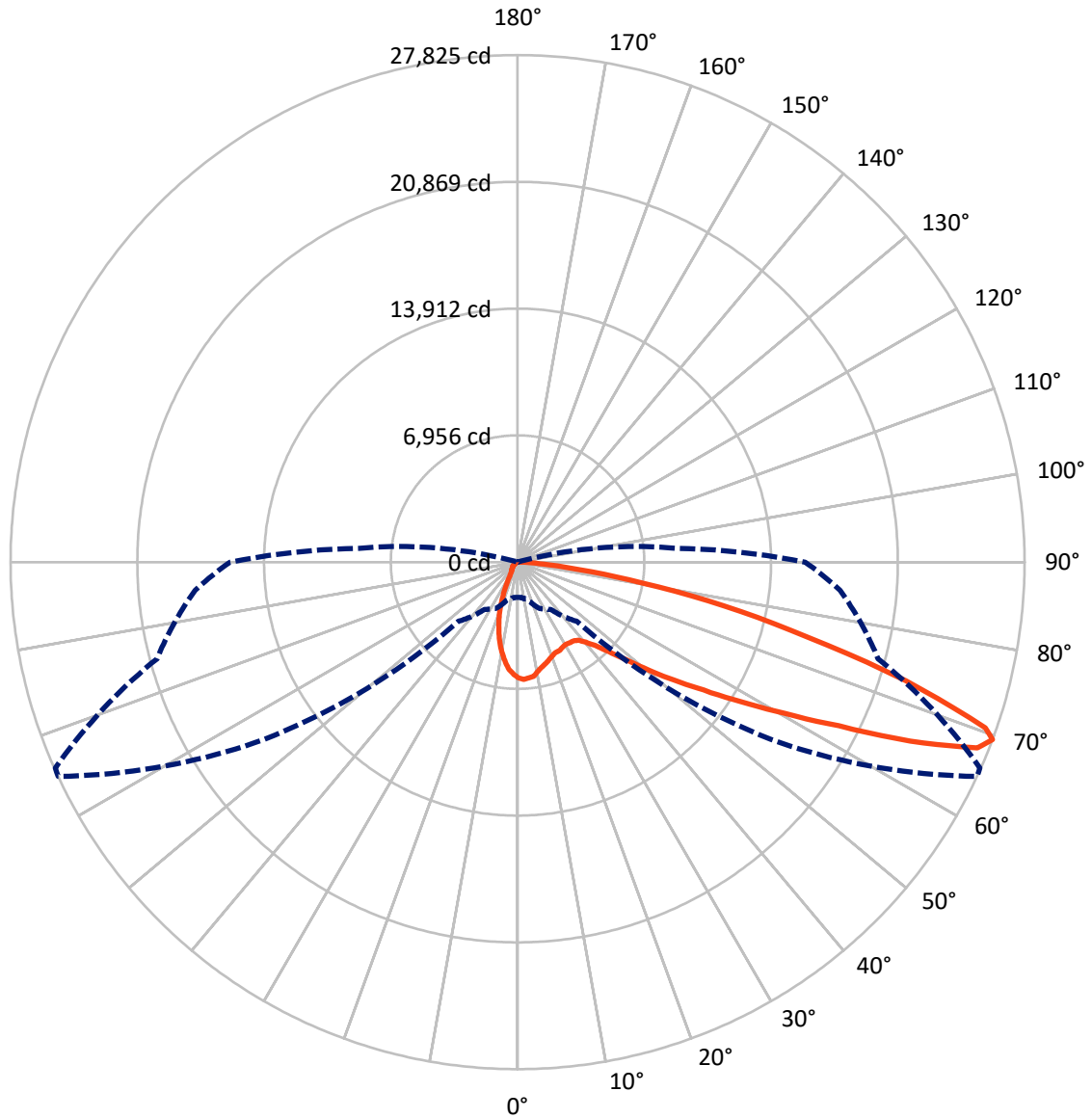
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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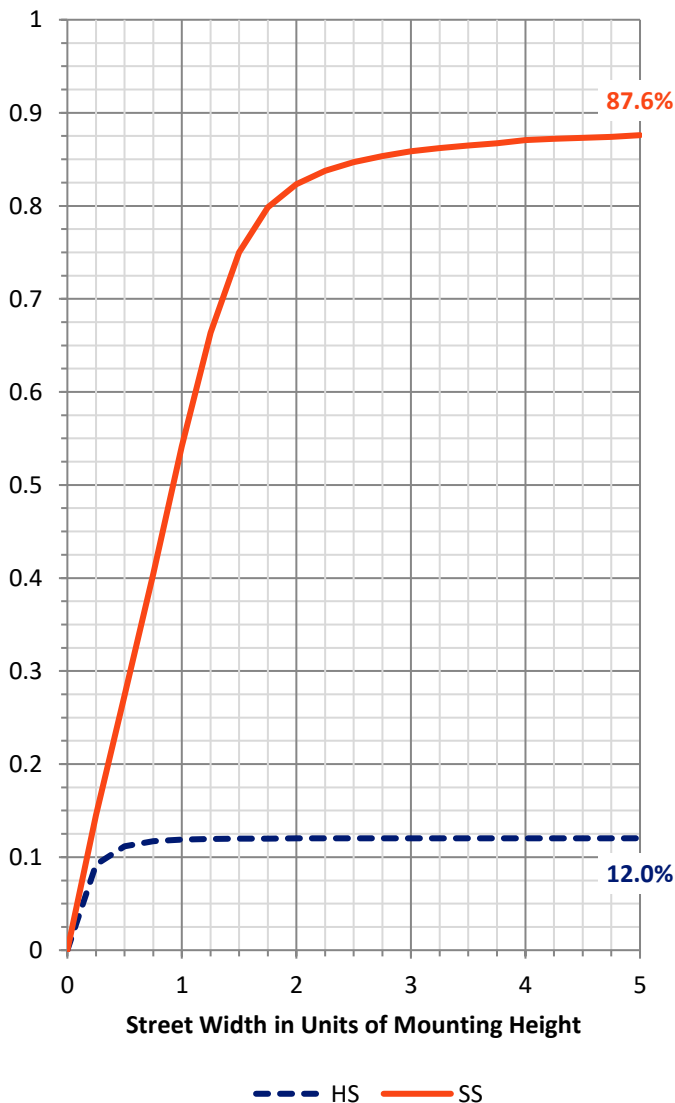
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3055.9	0.0	3055.9
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	22135.4	0.0	22135.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	25191.2	0.0	25191.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.7	2.1
10°-20°	1137.2	4.5
20°-30°	1583.2	6.3
30°-40°	2243.6	8.9
40°-50°	3535.8	14.0
50°-60°	5737.4	22.8
60°-70°	6407.5	25.4
70°-80°	3608.2	14.3
80°-90°	418.7	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°	25191.2	100.0
0°-180°	25191.2	100.0



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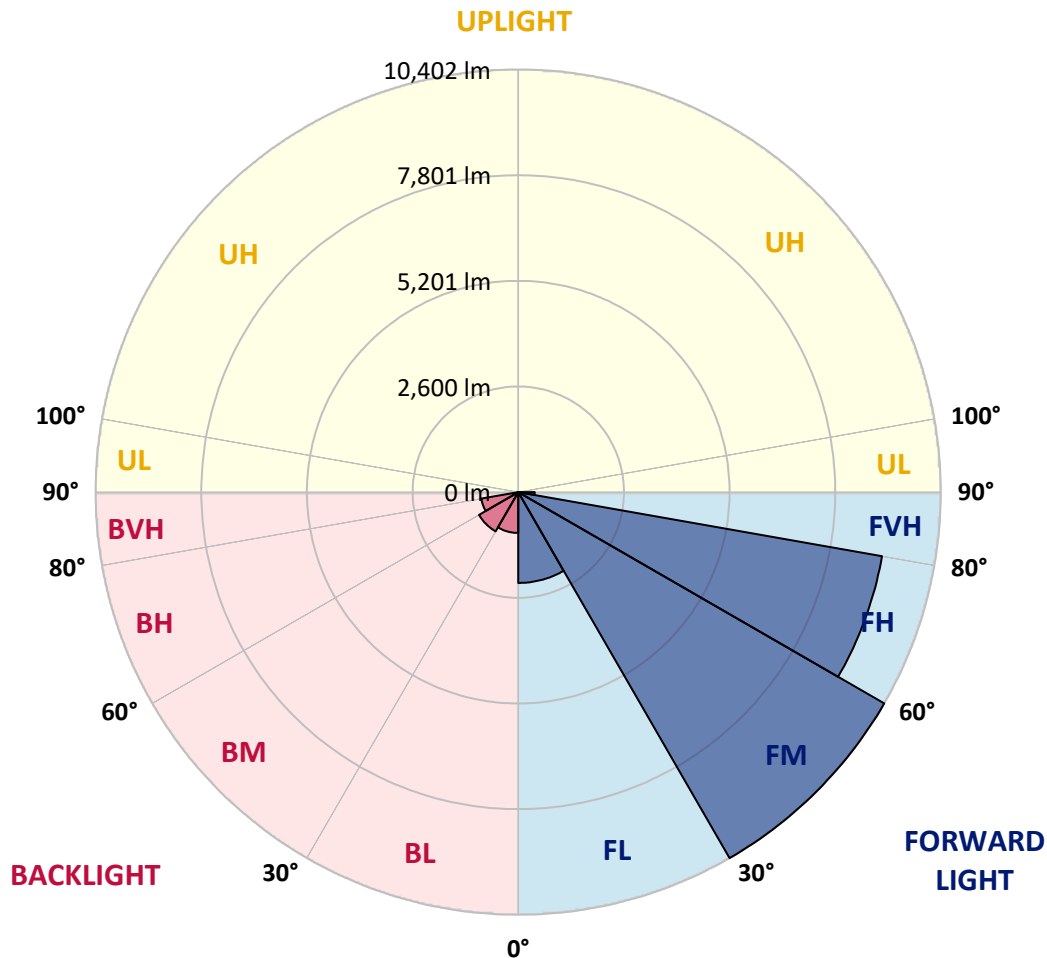
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2235.5	8.9			
FM (30°-60°)	10401.7	41.3			
FH (60°-80°)	9091.1	36.1			G4/12000
FVH (80°-90°)	407.1	1.6			G3/500
BL (0°-30°)	1004.7	4.0	B3/2500		
BM (30°-60°)	1115.1	4.4	B2/2500		
BH (60°-80°)	924.6	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: B3-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3
2.5°	6116.8	6164.4	6178.0	6225.6	6249.3	6351.3	6409.1	6443.0	6426.1	6463.4	6466.8
5°	5681.8	5654.7	5726.0	5777.0	5885.7	6062.4	6242.5	6381.9	6446.4	6507.6	6497.4
7.5°	5216.3	5202.7	5274.1	5389.6	5488.1	5702.2	5991.1	6334.3	6320.7	6470.2	6514.4
10°	4896.8	4910.4	4934.2	5049.8	5195.9	5413.4	5773.6	6093.0	6164.4	6480.4	6568.8
12.5°	4604.6	4628.4	4672.6	4791.5	4961.4	5185.7	5535.7	5909.5	6018.3	6422.7	6599.4
15°	4509.5	4455.1	4543.4	4631.8	4808.5	5009.0	5304.6	5770.2	5817.8	6354.7	6650.3
17.5°	4431.3	4397.3	4438.1	4509.5	4696.4	4859.5	5138.1	5620.7	5709.0	6327.5	6643.5
20°	4455.1	4424.5	4441.5	4495.9	4580.8	4733.7	4992.0	5477.9	5573.1	6201.8	6633.3
22.5°	4523.0	4546.8	4516.2	4529.8	4557.0	4635.2	4913.8	5376.0	5457.6	6178.0	6691.1
25°	4828.9	4788.1	4747.3	4730.3	4570.6	4604.6	4890.1	5369.2	5427.0	6093.0	6643.5
27.5°	5148.3	5114.3	5097.3	4998.8	4781.3	4679.4	4893.5	5274.1	5352.2	6059.0	6585.8
30°	5535.7	5579.9	5511.9	5393.0	5090.5	4839.1	4930.8	5226.5	5335.2	5929.9	6548.4
32.5°	5943.5	5967.3	6001.3	5912.9	5522.1	5080.4	5043.0	5270.7	5277.5	5929.9	6463.4
35°	6405.7	6371.7	6460.0	6466.8	6123.6	5508.5	5257.1	5301.2	5372.6	5902.7	6432.8
37.5°	6803.3	6861.0	6963.0	7126.1	6772.7	6113.4	5590.1	5444.0	5474.5	6028.5	6456.6
40°	7238.2	7296.0	7527.1	7690.2	7489.7	6793.1	6096.4	5777.0	5800.8	6215.4	6579.0
42.5°	7717.4	7829.5	8104.8	8390.2	8335.9	7656.2	6748.9	6266.3	6256.1	6680.9	6830.4
45°	8366.4	8516.0	8815.0	9144.6	9192.2	8645.1	7618.8	6997.0	7030.9	7289.2	7350.4
47.5°	9270.4	9263.6	9555.8	9922.8	10198.1	9671.4	8658.7	7979.0	7975.6	8250.9	8121.8
50°	10143.7	10147.1	10225.3	10650.1	11363.7	11095.2	9946.6	9284.0	9246.6	9382.5	9175.2
52.5°	10548.1	10500.5	10442.8	10955.9	12260.8	12889.5	11577.8	10762.2	10731.6	10650.1	10595.7
55°	10123.3	10140.3	10136.9	10670.4	12733.2	14782.3	13671.1	12389.9	12339.0	12084.1	12158.9
57.5°	8760.6	8706.3	8825.2	9657.8	12192.8	16073.6	16664.9	14442.5	14309.9	13463.8	13293.9
60°	6521.2	6538.2	6636.7	7618.8	10850.5	16345.5	19529.6	16851.8	16280.9	14435.7	14201.2
62.5°	4553.6	4519.6	4557.0	5107.5	7758.2	15258.1	21466.6	19781.1	19230.6	15540.1	15404.2
65°	3258.9	3214.7	3364.2	3700.7	4659.0	11666.1	21741.9	23682.3	23189.5	17303.8	16977.6
67.5°	2344.8	2338.0	2511.3	3123.0	3309.9	6718.3	19702.9	27216.4	26917.4	19397.1	17935.9
69°	1940.4	1943.8	2110.3	2796.7	3160.4	4587.6	16953.8	27824.7	27770.3	20477.7	17755.8
70°	1692.3	1705.9	1899.6	2603.0	3099.2	3772.0	14615.8	27226.6	27172.2	20688.4	17161.1
72.5°	1043.3	1053.5	1308.3	2086.5	2946.3	3078.8	8740.2	22275.4	22462.3	19723.3	14785.7
75°	499.5	502.9	686.4	1508.8	2840.9	2919.1	4682.8	16437.2	16831.4	15924.1	11554.0
77.5°	265.1	265.1	329.6	802.0	2300.6	2745.8	2779.8	11594.8	11921.0	10069.0	6568.8
80°	132.5	135.9	200.5	418.0	1427.3	2691.4	2171.5	6915.4	7092.1	4108.5	2045.7
82.5°	51.0	54.4	95.2	251.5	740.8	2273.4	1906.4	3401.6	3357.5	961.7	499.5
85°	6.8	6.8	34.0	149.5	316.0	1002.5	1573.4	1420.5	1372.9	210.7	241.3
87.5°	0.0	0.0	6.8	44.2	95.2	292.2	608.3	390.8	435.0	57.8	118.9
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°	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3	6351.3
2.5°	6449.8	6378.5	6269.7	6164.4	6052.2	5916.3	5766.8	5712.4	5617.3	5610.5	5664.8
5°	6443.0	6327.5	6137.2	5912.9	5593.5	5352.2	5090.5	4900.2	4754.1	4659.0	4682.8
7.5°	6477.0	6337.7	6008.1	5525.5	5114.3	4635.2	4230.8	3952.1	3697.3	3571.5	3557.9
10°	6422.7	6235.8	5753.2	5077.0	4472.1	3802.6	3211.3	2837.5	2456.9	2317.6	2324.4
12.5°	6453.2	6191.6	5477.9	4614.8	3782.2	2912.3	2205.5	1695.7	1338.9	1223.4	1209.8
15°	6473.6	6096.4	5212.9	4060.9	3017.6	1984.6	1277.7	961.7	849.6	829.2	825.8
17.5°	6395.5	5980.9	4839.1	3513.8	2236.0	1206.4	849.6	785.0	764.6	751.0	744.2
20°	6392.1	5912.9	4516.2	2953.1	1491.8	822.4	734.0	710.2	679.6	669.5	669.5
22.5°	6334.3	5770.2	4128.8	2338.0	951.5	706.8	659.3	621.9	587.9	574.3	570.9
25°	6317.3	5603.7	3765.2	1756.9	723.8	632.1	584.5	530.1	489.3	469.0	458.8
27.5°	6269.7	5461.0	3398.2	1237.0	632.1	564.1	502.9	445.2	397.6	367.0	363.6
30°	6099.8	5311.4	2990.4	856.4	574.3	499.5	431.6	363.6	316.0	295.6	288.8
32.5°	6028.5	5172.1	2545.3	659.3	523.3	441.8	363.6	302.4	265.1	244.7	241.3
35°	5943.5	4968.2	2113.7	574.3	475.8	384.0	305.8	254.9	224.3	207.3	207.3
37.5°	5953.7	4805.1	1709.3	519.9	424.8	329.6	261.7	217.5	190.3	173.3	173.3
40°	5923.1	4676.0	1328.7	472.4	377.2	282.1	220.9	183.5	159.7	142.7	139.3
42.5°	6062.4	4642.0	1002.5	431.6	329.6	241.3	190.3	156.3	132.5	112.1	112.1
45°	6296.9	4696.4	781.6	394.2	282.1	207.3	163.1	129.1	105.3	91.8	88.4
47.5°	6922.2	4910.4	611.7	363.6	241.3	180.1	135.9	105.3	85.0	71.4	68.0
50°	7829.5	5389.6	519.9	319.4	203.9	152.9	112.1	81.6	68.0	54.4	51.0
52.5°	9120.8	6195.0	472.4	282.1	169.9	125.7	88.4	64.6	51.0	40.8	37.4
55°	10527.7	7200.8	428.2	237.9	142.7	101.9	71.4	51.0	37.4	27.2	23.8
57.5°	11625.3	8070.8	390.8	197.1	115.5	81.6	54.4	37.4	27.2	17.0	13.6
60°	12824.9	8682.5	343.2	156.3	95.2	61.2	40.8	27.2	20.4	10.2	10.2
62.5°	14061.9	9399.5	282.1	122.3	74.8	47.6	30.6	20.4	13.6	3.4	3.4
65°	15781.4	9960.2	217.5	95.2	57.8	34.0	23.8	17.0	6.8	0.0	0.0
67.5°	16267.3	9685.0	159.7	74.8	40.8	23.8	17.0	10.2	3.4	0.0	0.0
69°	15781.4	8723.3	139.3	64.6	34.0	20.4	13.6	6.8	3.4	0.0	0.0
70°	14894.4	7975.6	122.3	54.4	30.6	20.4	10.2	6.8	3.4	0.0	0.0
72.5°	12457.9	6116.8	95.2	40.8	23.8	17.0	10.2	6.8	0.0	0.0	0.0
75°	9137.8	3778.8	71.4	30.6	20.4	13.6	10.2	6.8	0.0	0.0	0.0
77.5°	4896.8	1379.7	51.0	20.4	13.6	10.2	10.2	6.8	0.0	0.0	0.0
80°	1342.3	407.8	37.4	13.6	10.2	6.8	6.8	3.4	0.0	0.0	0.0
82.5°	367.0	105.3	23.8	13.6	10.2	6.8	3.4	0.0	0.0	0.0	0.0
85°	197.1	40.8	13.6	10.2	6.8	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	101.9	13.6	10.2	6.8	6.8	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)