

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: P483881

Luminaire Tested: **IFLD-L-SA8B-722-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483881
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-722-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

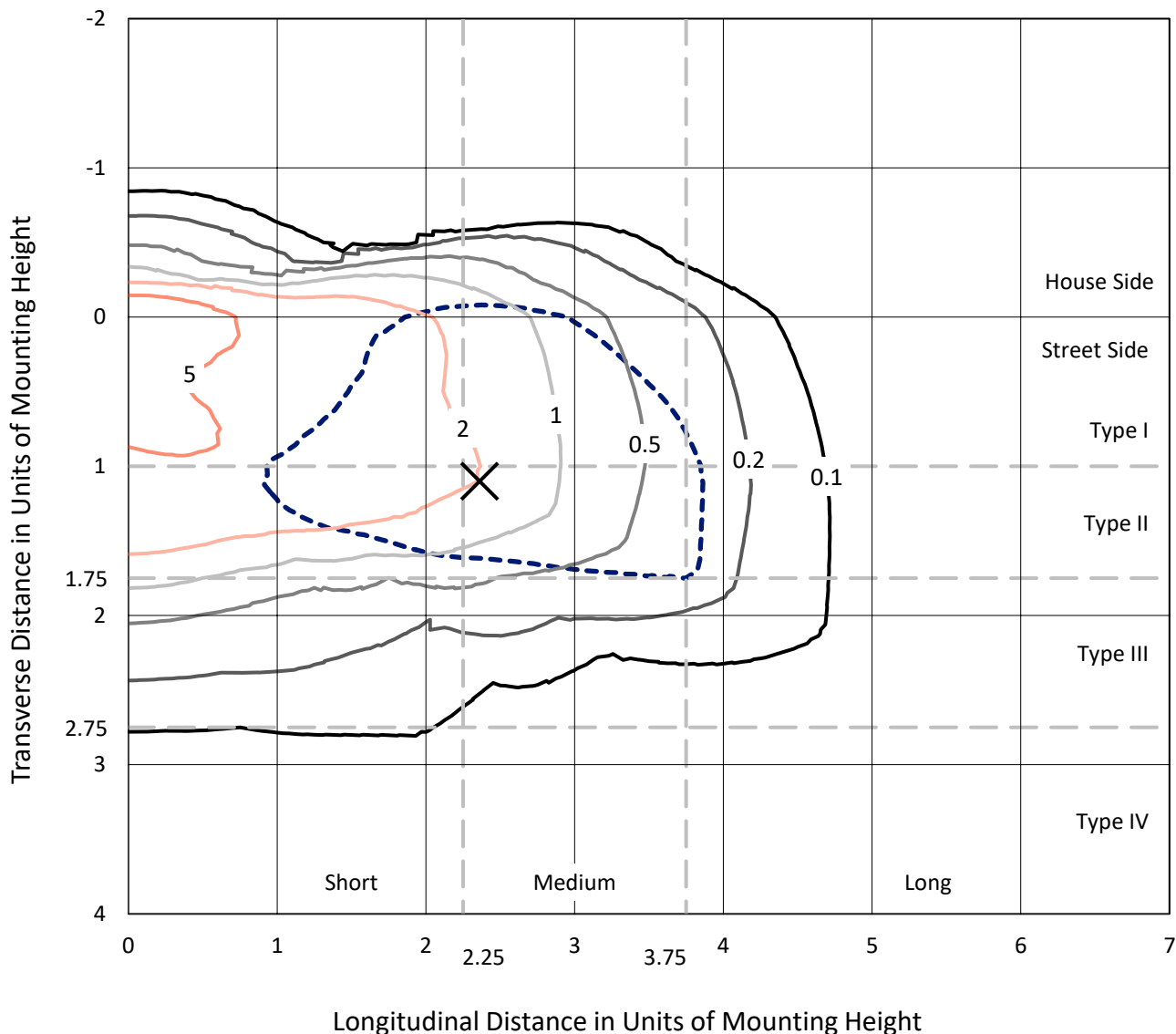
Lumens per Lamp: N/A
Luminaire Lumens: 24674 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 320
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

REPORT NUMBER: P483881
 CATALOG NUMBER: IFLD-L-SA8B-722-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

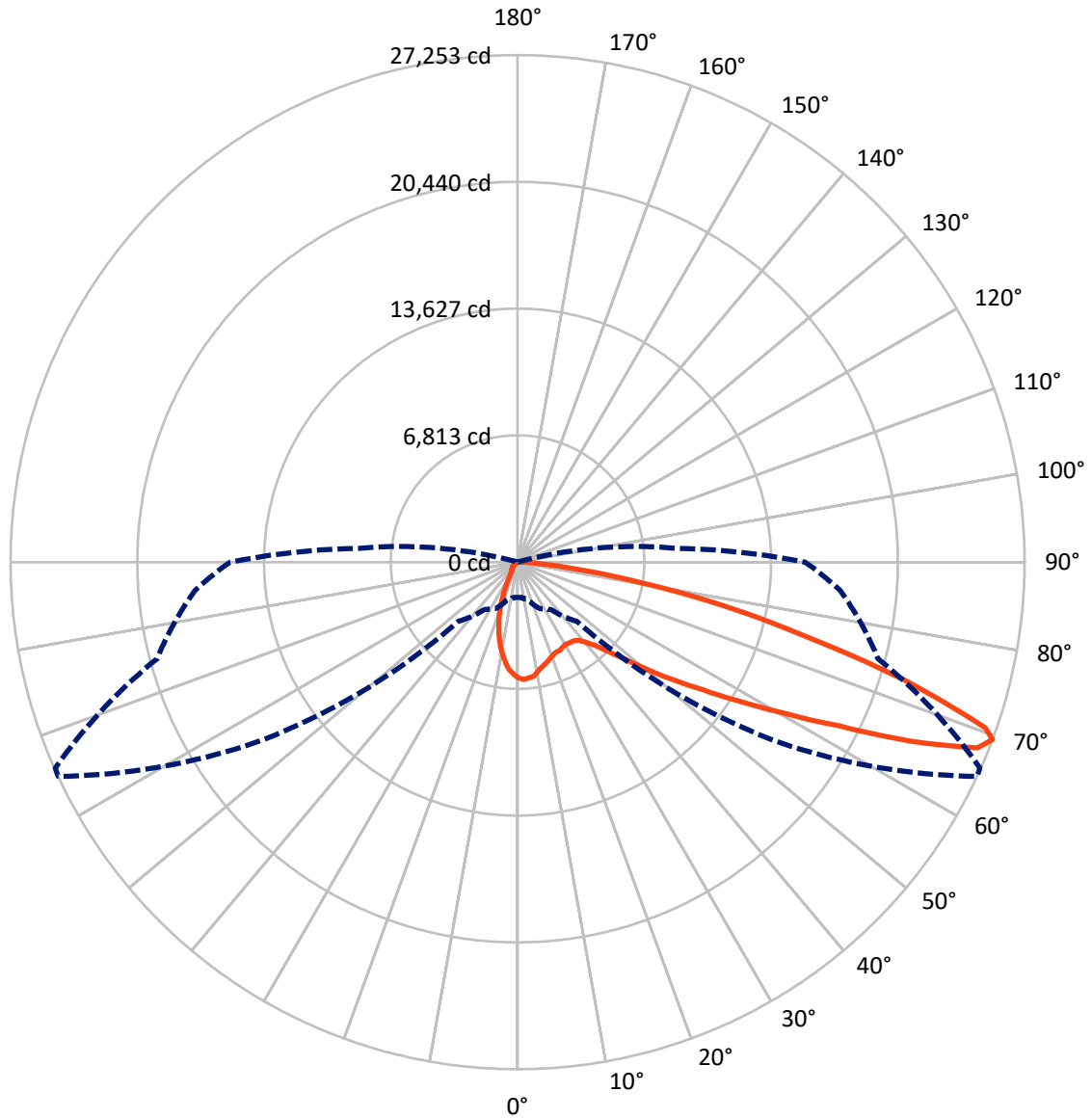
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Medium - N/A

REPORT NUMBER: P483881
CATALOG NUMBER: IFLD-L-SA8B-722-U-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P483881
 CATALOG NUMBER: IFLD-L-SA8B-722-U-SL2-HSS

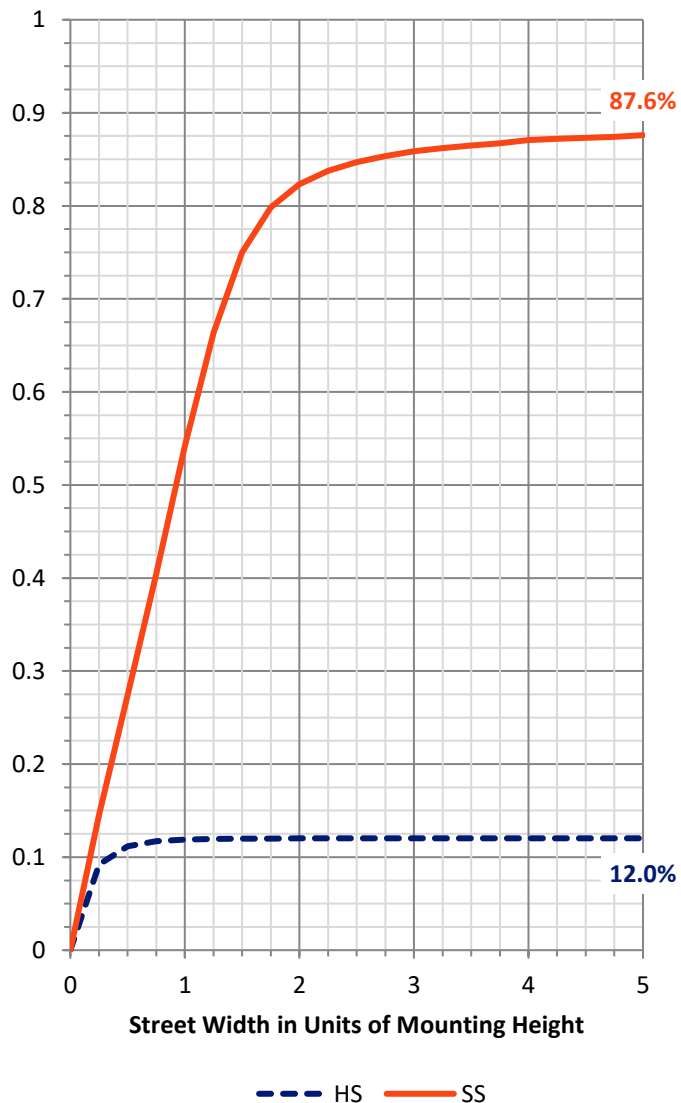
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2993.1	0.0	2993.1
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	21680.9	0.0	21680.9
	% Fixture	87.9	0.0	87.9
Total	Lumens	24674.0	0.0	24674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.1	2.1
10°-20°	1113.8	4.5
20°-30°	1550.7	6.3
30°-40°	2197.5	8.9
40°-50°	3463.2	14.0
50°-60°	5619.6	22.8
60°-70°	6275.9	25.4
70°-80°	3534.1	14.3
80°-90°	410.1	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°	24674.0	100.0
0°-180°	24674.0	100.0

Coefficient of Utilization

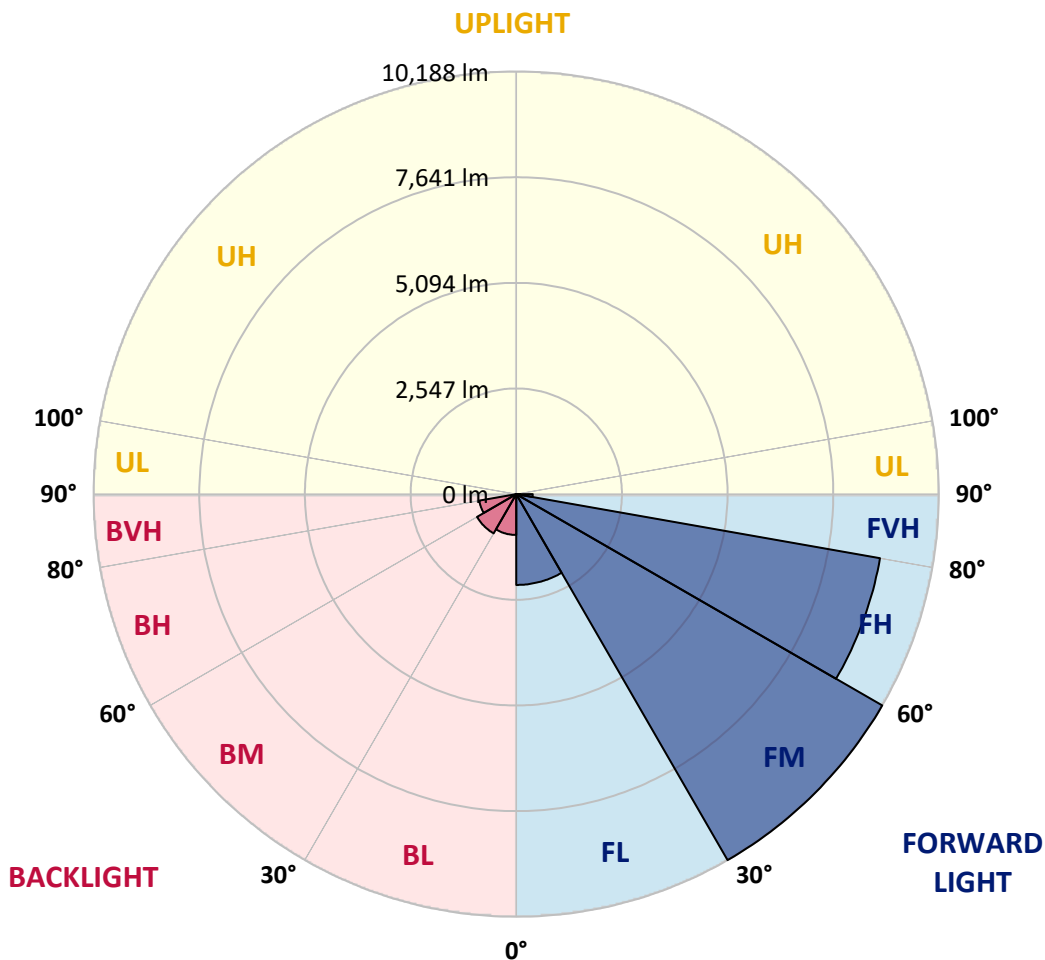


REPORT NUMBER: P483881
 CATALOG NUMBER: IFLD-L-SA8B-722-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2189.6	8.9			
FM (30°-60°)	10188.1	41.3			
FH (60°-80°)	8904.4	36.1			G4/12000
FVH (80°-90°)	398.8	1.6			G3/500
BL (0°-30°)	984.0	4.0	B2/1000		
BM (30°-60°)	1092.2	4.4	B2/2500		
BH (60°-80°)	905.6	3.7	B2/1000		G2/1000
BVH (80°-90°)	11.3	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





REPORT NUMBER: P483881

CATALOG NUMBER: IFLD-L-SA8B-722-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9
2.5°	5991.2	6037.8	6051.1	6097.7	6121.0	6220.9	6277.5	6310.8	6294.1	6330.7	6334.1
5°	5565.2	5538.6	5608.5	5658.4	5764.9	5938.0	6114.4	6250.8	6314.1	6374.0	6364.0
7.5°	5109.2	5095.9	5165.8	5278.9	5375.5	5585.2	5868.1	6204.2	6190.9	6337.4	6380.7
10°	4796.3	4809.6	4832.9	4946.1	5089.2	5302.2	5655.1	5967.9	6037.8	6347.4	6433.9
12.5°	4510.1	4533.4	4576.6	4693.1	4859.5	5079.2	5422.1	5788.2	5894.7	6290.8	6463.9
15°	4416.9	4363.6	4450.1	4536.7	4709.8	4906.1	5195.7	5651.7	5698.3	6224.2	6513.8
17.5°	4340.3	4307.0	4347.0	4416.9	4599.9	4759.7	5032.6	5505.3	5591.8	6197.6	6507.1
20°	4363.6	4333.7	4350.3	4403.6	4486.8	4636.5	4889.5	5365.5	5458.7	6074.4	6497.2
22.5°	4430.2	4453.5	4423.5	4436.8	4463.5	4540.0	4813.0	5265.6	5345.5	6051.1	6553.7
25°	4729.7	4689.8	4649.9	4633.2	4476.8	4510.1	4789.7	5259.0	5315.5	5967.9	6507.1
27.5°	5042.6	5009.3	4992.7	4896.2	4683.1	4583.3	4793.0	5165.8	5242.3	5934.6	6450.6
30°	5422.1	5465.3	5398.8	5282.3	4986.0	4739.7	4829.6	5119.2	5225.7	5808.2	6413.9
32.5°	5821.5	5844.8	5878.1	5791.5	5408.7	4976.0	4939.4	5162.4	5169.1	5808.2	6330.7
35°	6274.1	6240.9	6327.4	6334.1	5997.9	5395.4	5149.1	5192.4	5262.3	5781.5	6300.8
37.5°	6663.6	6720.2	6820.0	6979.8	6633.6	5987.9	5475.3	5332.2	5362.1	5904.7	6324.1
40°	7089.6	7146.2	7372.5	7532.3	7335.9	6653.6	5971.3	5658.4	5681.7	6087.7	6443.9
42.5°	7558.9	7668.8	7938.4	8218.0	8164.7	7499.0	6610.3	6137.7	6127.7	6543.7	6690.2
45°	8194.7	8341.1	8634.0	8956.9	9003.5	8467.6	7462.4	6853.3	6886.6	7139.5	7199.5
47.5°	9080.0	9073.4	9359.6	9719.1	9988.7	9472.8	8480.9	7815.2	7811.9	8081.5	7955.0
50°	9935.4	9938.8	10015.3	10431.4	11130.4	10867.4	9742.4	9093.3	9056.7	9189.9	8986.8
52.5°	10331.5	10284.9	10228.4	10730.9	12009.1	12624.8	11340.1	10541.2	10511.3	10431.4	10378.1
55°	9915.5	9932.1	9928.8	10451.4	12471.7	14478.8	13390.4	12135.6	12085.6	11836.0	11909.2
57.5°	8580.8	8527.5	8644.0	9459.5	11942.5	15743.6	16322.8	14145.9	14016.1	13187.4	13020.9
60°	6387.3	6404.0	6500.5	7462.4	10627.8	16009.9	19128.6	16505.8	15946.6	14139.3	13909.6
62.5°	4460.1	4426.8	4463.5	5002.7	7598.9	14944.8	21025.9	19375.0	18835.7	15221.0	15087.9
65°	3192.0	3148.7	3295.2	3624.7	4563.3	11426.6	21295.5	23196.0	22713.4	16948.5	16629.0
67.5°	2296.6	2290.0	2459.7	3058.9	3241.9	6580.4	19298.4	26657.6	26364.7	18998.8	17567.6
69°	1900.5	1903.9	2067.0	2739.3	3095.5	4493.4	16605.7	27253.4	27200.2	20057.3	17391.2
70°	1657.6	1670.9	1860.6	2549.6	3035.6	3694.6	14315.7	26667.6	26614.4	20263.7	16808.7
72.5°	1021.8	1031.8	1281.5	2043.7	2885.8	3015.6	8560.8	21818.0	22001.1	19318.4	14482.1
75°	489.3	492.6	672.3	1477.8	2782.6	2859.1	4586.6	16099.8	16485.9	15597.2	11316.8
77.5°	259.6	259.6	322.9	785.5	2253.4	2689.4	2722.7	11356.7	11676.2	9862.2	6433.9
80°	129.8	133.1	196.4	409.4	1398.0	2636.1	2126.9	6773.4	6946.5	4024.1	2003.7
82.5°	49.9	53.3	93.2	246.3	725.6	2226.7	1867.3	3331.8	3288.5	942.0	489.3
85°	6.7	6.7	33.3	146.5	309.5	981.9	1541.1	1391.3	1344.7	206.4	236.3
87.5°	0.0	0.0	6.7	43.3	93.2	286.2	595.8	382.8	426.0	56.6	116.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P483881

CATALOG NUMBER: IFLD-L-SA8B-722-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9	6220.9
2.5°	6317.4	6247.5	6141.0	6037.8	5928.0	5794.8	5648.4	5595.1	5501.9	5495.3	5548.5
5°	6310.8	6197.6	6011.2	5791.5	5478.6	5242.3	4986.0	4799.6	4656.5	4563.3	4586.6
7.5°	6344.0	6207.6	5884.7	5412.1	5009.3	4540.0	4143.9	3871.0	3621.4	3498.2	3484.9
10°	6290.8	6107.7	5635.1	4972.7	4380.3	3724.5	3145.4	2779.3	2406.5	2270.0	2276.7
12.5°	6320.7	6064.5	5365.5	4520.0	3704.6	2852.5	2160.2	1660.9	1311.4	1198.2	1184.9
15°	6340.7	5971.3	5105.9	3977.5	2955.7	1943.8	1251.5	942.0	832.1	812.1	808.8
17.5°	6264.2	5858.1	4739.7	3441.6	2190.1	1181.6	832.1	768.9	748.9	735.6	728.9
20°	6260.8	5791.5	4423.5	2892.4	1461.2	805.5	718.9	695.6	665.7	655.7	655.7
22.5°	6204.2	5651.7	4044.1	2290.0	932.0	692.3	645.7	609.1	575.8	562.5	559.2
25°	6187.6	5488.6	3687.9	1720.8	709.0	619.1	572.5	519.2	479.3	459.3	449.3
27.5°	6141.0	5348.8	3328.5	1211.6	619.1	552.5	492.6	436.0	389.4	359.5	356.1
30°	5974.6	5202.4	2929.0	838.8	562.5	489.3	422.7	356.1	309.5	289.6	282.9
32.5°	5904.7	5065.9	2493.0	645.7	512.6	432.7	356.1	296.2	259.6	239.6	236.3
35°	5821.5	4866.2	2070.3	562.5	466.0	376.1	299.6	249.6	219.7	203.0	203.0
37.5°	5831.5	4706.4	1674.2	509.3	416.1	322.9	256.3	213.0	186.4	169.8	169.8
40°	5801.5	4580.0	1301.4	462.7	369.5	276.3	216.3	179.7	156.4	139.8	136.5
42.5°	5938.0	4546.7	981.9	422.7	322.9	236.3	186.4	153.1	129.8	109.8	109.8
45°	6167.6	4599.9	765.5	386.1	276.3	203.0	159.8	126.5	103.2	89.9	86.5
47.5°	6780.1	4809.6	599.1	356.1	236.3	176.4	133.1	103.2	83.2	69.9	66.6
50°	7668.8	5278.9	509.3	312.9	199.7	149.8	109.8	79.9	66.6	53.3	49.9
52.5°	8933.6	6067.8	462.7	276.3	166.4	123.2	86.5	63.2	49.9	39.9	36.6
55°	10311.6	7053.0	419.4	233.0	139.8	99.9	69.9	49.9	36.6	26.6	23.3
57.5°	11386.7	7905.1	382.8	193.1	113.2	79.9	53.3	36.6	26.6	16.6	13.3
60°	12561.6	8504.2	336.2	153.1	93.2	59.9	39.9	26.6	20.0	10.0	10.0
62.5°	13773.2	9206.5	276.3	119.8	73.2	46.6	30.0	20.0	13.3	3.3	3.3
65°	15457.4	9755.7	213.0	93.2	56.6	33.3	23.3	16.6	6.7	0.0	0.0
67.5°	15933.3	9486.1	156.4	73.2	39.9	23.3	16.6	10.0	3.3	0.0	0.0
69°	15457.4	8544.2	136.5	63.2	33.3	20.0	13.3	6.7	3.3	0.0	0.0
70°	14588.6	7811.9	119.8	53.3	30.0	20.0	10.0	6.7	3.3	0.0	0.0
72.5°	12202.1	5991.2	93.2	39.9	23.3	16.6	10.0	6.7	0.0	0.0	0.0
75°	8950.2	3701.2	69.9	30.0	20.0	13.3	10.0	6.7	0.0	0.0	0.0
77.5°	4796.3	1351.4	49.9	20.0	13.3	10.0	10.0	6.7	0.0	0.0	0.0
80°	1314.7	399.4	36.6	13.3	10.0	6.7	6.7	3.3	0.0	0.0	0.0
82.5°	359.5	103.2	23.3	13.3	10.0	6.7	3.3	0.0	0.0	0.0	0.0
85°	193.1	39.9	13.3	10.0	6.7	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	99.9	13.3	10.0	6.7	6.7	3.3	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)