

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: P484265

Luminaire Tested: **IFLD-L-SA7A-722-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484265
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-722-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

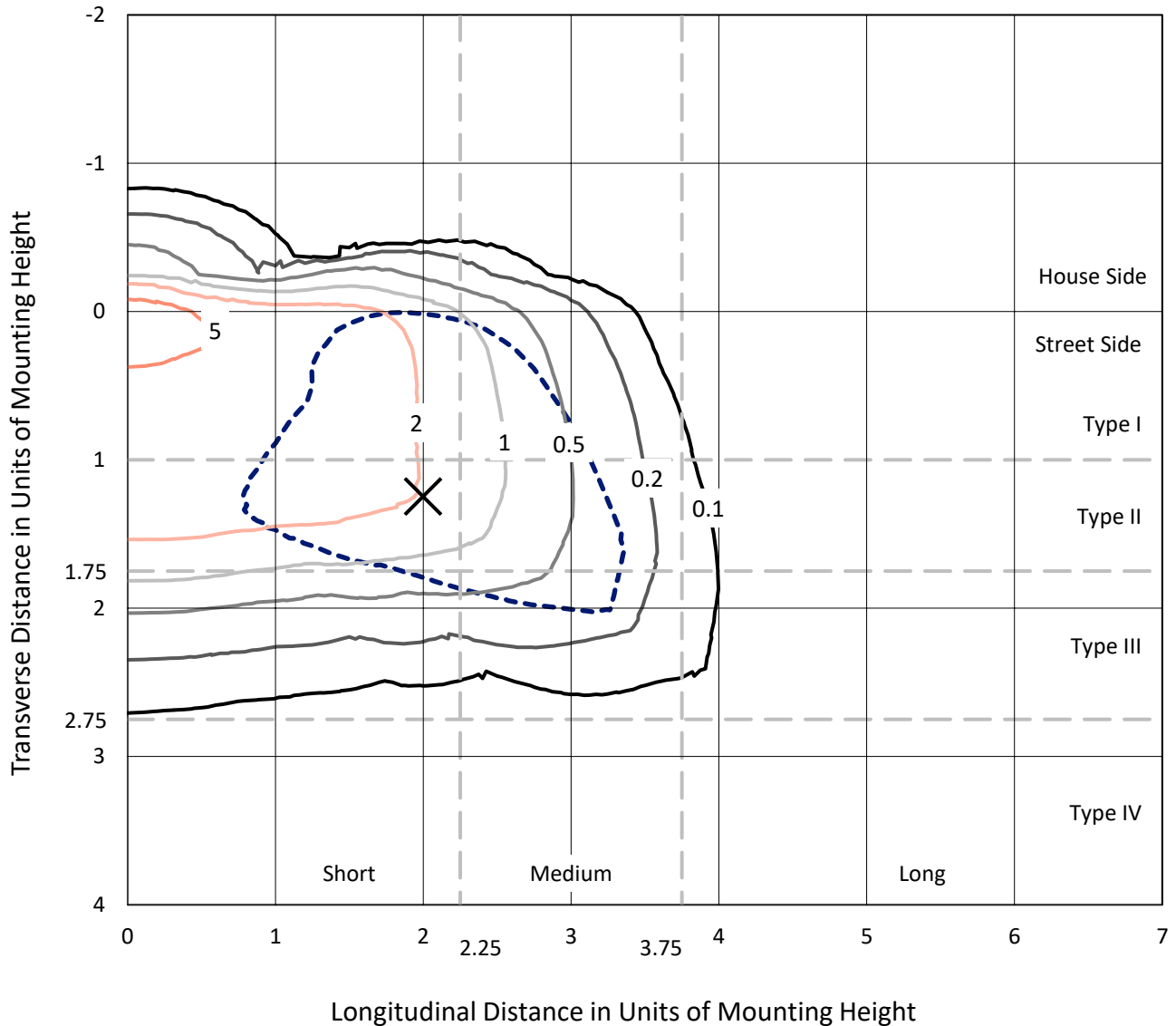
Lumens per Lamp: N/A
Luminaire Lumens: 19281.6 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 217.6
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

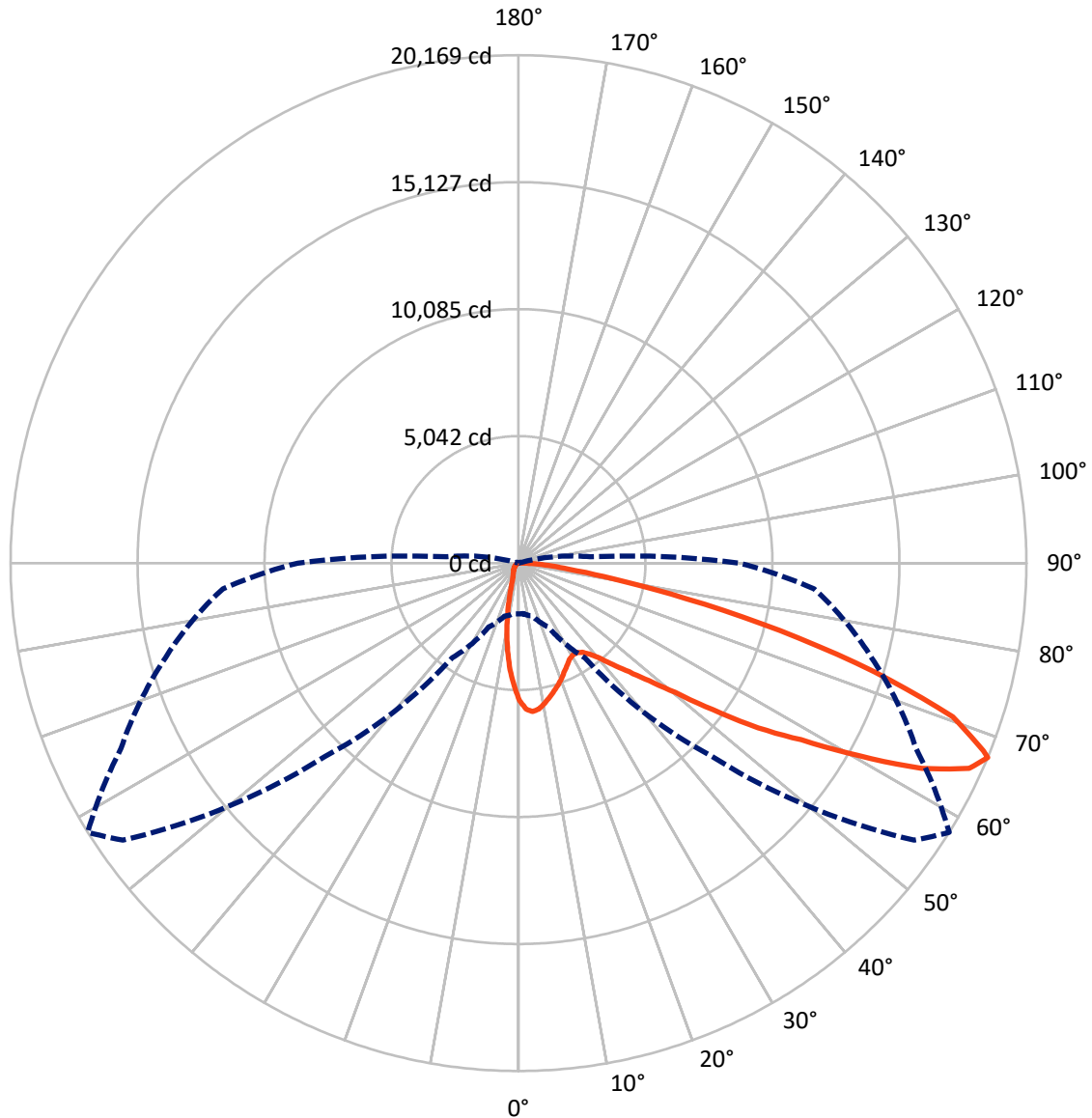
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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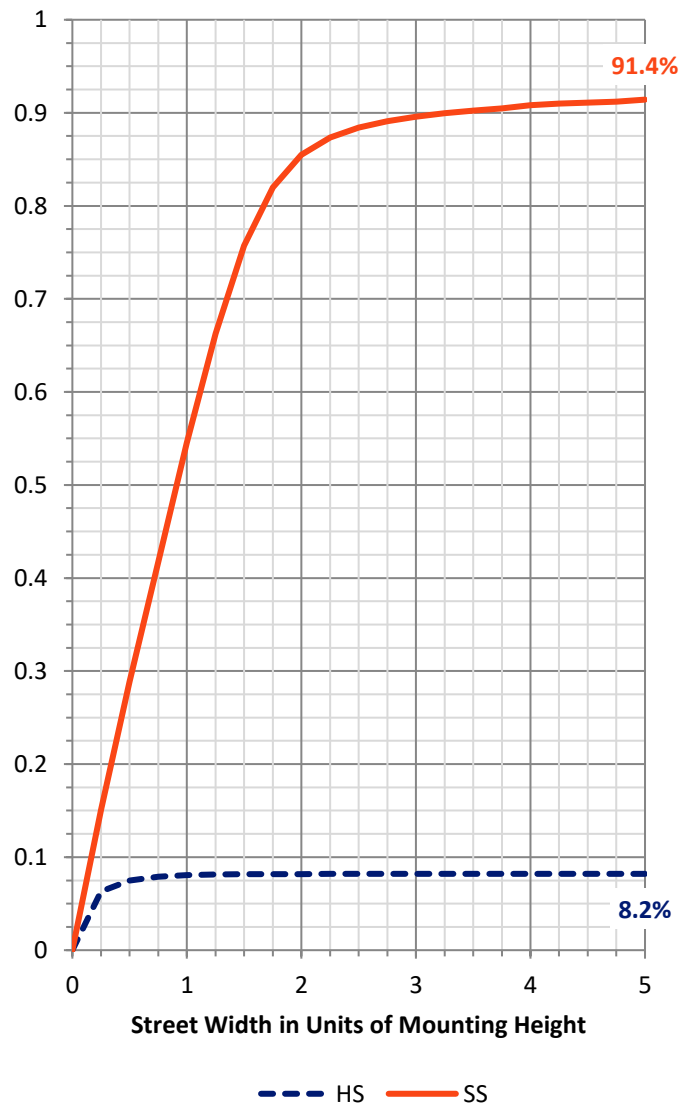
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.8	0.0	1593.8
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	17687.8	0.0	17687.8
	% Fixture	91.7	0.0	91.7
Total	Lumens	19281.6	0.0	19281.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.4	2.2
10°-20°	899.0	4.7
20°-30°	1192.8	6.2
30°-40°	1652.9	8.6
40°-50°	2697.0	14.0
50°-60°	4740.5	24.6
60°-70°	5250.5	27.2
70°-80°	2175.8	11.3
80°-90°	239.5	1.2
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°	19281.6	100.0
0°-180°	19281.6	100.0

Coefficient of Utilization



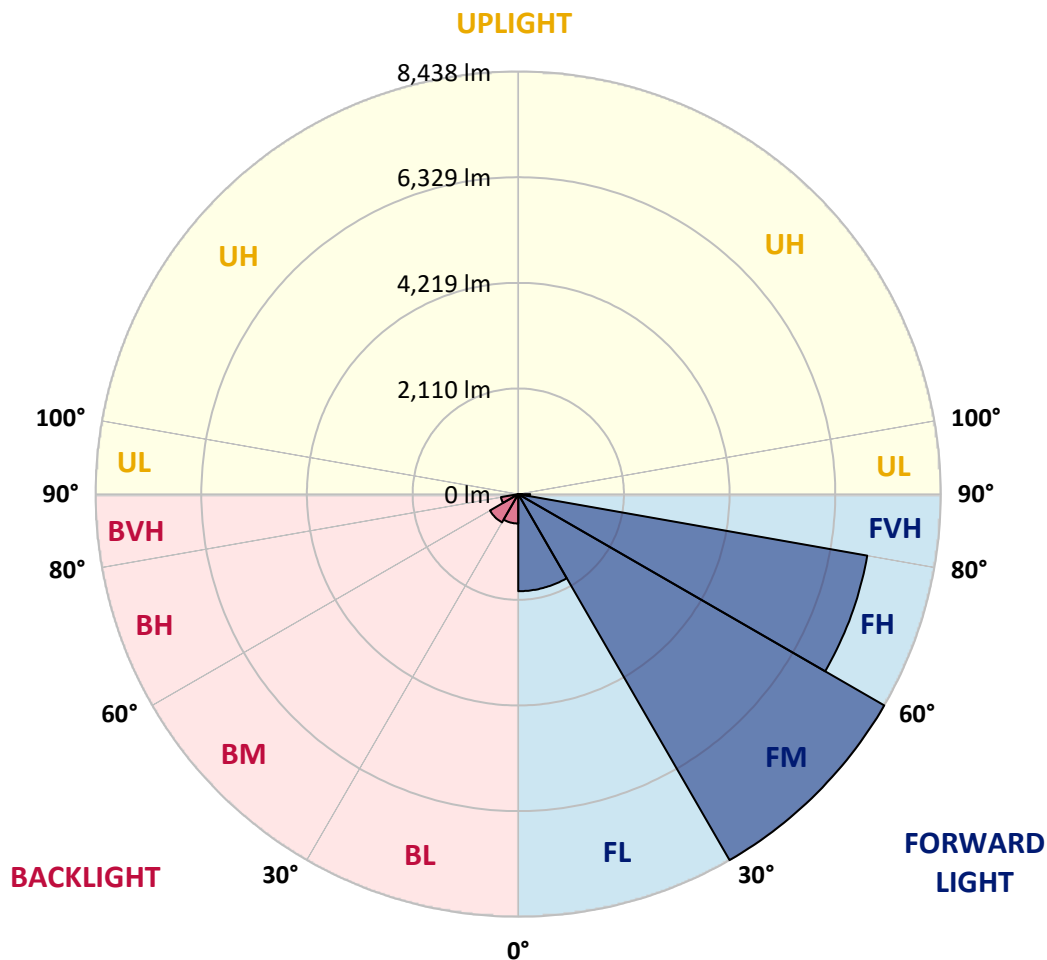
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1938.3	10.1			
FM (30°-60°)	8438.0	43.8			
FH (60°-80°)	7075.9	36.7			G3/7500
FVH (80°-90°)	235.6	1.2			G3/500
BL (0°-30°)	587.0	3.0	B2/1000		
BM (30°-60°)	652.4	3.4	B1/1000		
BH (60°-80°)	350.4	1.8	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7
2.5°	5944.0	5964.5	5982.4	5949.1	5977.3	5936.3	5831.4	5808.3	5790.4	5634.2	5544.7
5°	5941.4	5918.4	5936.3	5951.7	5913.3	5944.0	5918.4	5921.0	5851.8	5711.0	5460.2
7.5°	5544.7	5534.4	5544.7	5618.9	5703.4	5769.9	5808.3	5846.7	5800.6	5590.7	5347.5
10°	5009.6	5060.8	5089.0	5222.1	5352.7	5475.5	5595.9	5667.5	5654.7	5570.3	5224.7
12.5°	4635.9	4620.5	4722.9	4810.0	4940.5	5188.8	5398.7	5465.3	5542.1	5424.3	5063.4
15°	4290.3	4249.4	4310.8	4461.8	4684.5	4881.7	5176.0	5275.9	5373.1	5403.9	4976.4
17.5°	3960.1	3980.6	4044.6	4180.2	4390.2	4666.6	4943.1	5086.4	5319.4	5278.4	4845.8
20°	3801.4	3844.9	3867.9	3937.1	4083.0	4359.4	4771.6	4886.8	5135.1	5275.9	4717.8
22.5°	3809.1	3809.1	3755.3	3796.3	3929.4	4144.4	4538.6	4666.6	5060.8	5142.8	4602.6
25°	3891.0	3839.8	3842.3	3793.7	3850.0	3967.8	4328.7	4484.9	4909.8	5155.6	4541.2
27.5°	3952.4	3942.2	3926.8	3914.0	3842.3	3860.3	4190.5	4318.5	4850.9	5140.2	4446.5
30°	4175.1	4129.1	4113.7	4085.5	3990.8	3903.8	4080.4	4241.7	4804.9	5176.0	4392.7
32.5°	4362.0	4369.7	4382.5	4300.6	4218.6	4003.6	4111.1	4239.1	4771.6	5257.9	4446.5
35°	4597.5	4630.8	4635.9	4610.3	4523.3	4310.8	4239.1	4349.2	4827.9	5403.9	4451.6
37.5°	4955.9	4920.0	5017.3	5027.6	4966.1	4684.5	4536.1	4579.6	4994.3	5636.8	4646.1
40°	5188.8	5232.4	5414.1	5526.7	5421.8	5165.8	4966.1	4958.4	5234.9	6002.9	4886.8
42.5°	5447.4	5544.7	5744.3	5987.5	5974.7	5736.6	5534.4	5501.1	5662.4	6532.8	5268.2
45°	5800.6	5887.7	6166.7	6532.8	6732.4	6530.2	6225.6	6159.0	6182.1	7254.6	5918.4
47.5°	6386.8	6363.8	6765.7	7126.6	7454.3	7298.2	7167.6	6973.1	6955.1	8104.5	6816.9
50°	7049.9	7044.7	7403.1	7812.7	8191.5	8496.2	8278.6	8066.1	8071.2	9259.0	7874.1
52.5°	7679.6	7779.4	8165.9	8573.0	9223.2	9550.8	9760.7	9676.3	9269.2	10290.6	9005.6
55°	8012.4	8099.4	8483.4	9184.8	10211.3	11053.5	11621.8	11550.1	10764.2	11452.8	10121.7
57.5°	7697.5	7756.4	8276.0	9195.0	10902.4	12781.4	13326.6	13237.0	12310.4	12341.1	11470.7
60°	6379.2	6471.3	7244.4	8322.1	10633.7	14112.5	15674.0	15538.3	13718.3	13464.9	12338.5
62.5°	4418.3	4479.8	5114.6	6456.0	9358.8	14575.8	17890.9	17965.1	15203.0	14340.3	12597.1
65°	2861.9	2856.8	3220.3	4129.1	6632.6	13173.0	19201.5	19662.3	16636.5	14473.4	12517.7
67°	2022.3	2014.6	2186.1	2800.5	4592.4	10853.8	19178.5	20169.1	17414.7	14511.8	11783.0
67.5°	1866.1	1858.5	2022.3	2575.2	4144.4	10093.5	18891.8	19908.0	17688.6	14458.1	11460.5
70°	1448.9	1428.4	1489.8	1774.0	2413.9	6527.6	16168.1	18287.6	17120.3	13116.7	9151.5
72.5°	1047.0	1070.0	1167.3	1456.6	1894.3	3512.1	12323.2	14788.3	14299.4	9886.2	5816.0
75°	729.6	750.0	906.2	1187.8	1738.1	2129.8	8332.3	10725.8	9960.4	5457.6	2477.9
77.5°	381.4	407.0	578.5	949.7	1579.4	1648.5	4978.9	6801.5	5278.4	1942.9	683.5
80°	176.6	189.4	289.3	673.2	1320.9	1448.9	2902.9	3783.5	2111.9	435.2	235.5
82.5°	76.8	84.5	133.1	386.5	936.9	1267.1	1797.0	1983.9	765.4	140.8	145.9
85°	15.4	17.9	51.2	204.8	453.1	768.0	1262.0	1177.5	384.0	69.1	115.2
87.5°	0.0	0.0	12.8	58.9	122.9	227.8	535.0	535.0	117.8	35.8	43.5
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°	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7	5462.7
2.5°	5465.3	5373.1	5170.9	4984.0	4850.9	4699.9	4500.2	4410.6	4377.4	4331.3	4262.2
5°	5321.9	5209.3	4863.7	4515.6	4134.2	3844.9	3537.7	3358.5	3222.9	3138.4	3110.2
7.5°	5119.7	4889.3	4423.4	3865.4	3371.3	2941.3	2475.4	2160.5	1958.3	1876.4	1799.6
10°	4958.4	4658.9	3949.9	3256.1	2598.3	1968.5	1443.8	1167.3	957.4	878.0	867.8
12.5°	4748.5	4390.2	3507.0	2634.1	1807.3	1172.4	798.7	693.7	634.8	624.6	616.9
15°	4574.5	4147.0	3087.2	2040.2	1169.9	732.1	622.0	596.4	581.1	576.0	578.5
17.5°	4456.7	3885.9	2657.1	1484.7	770.5	599.0	573.4	558.0	550.4	547.8	540.1
20°	4223.8	3665.7	2232.2	1039.3	601.6	552.9	532.5	519.7	512.0	509.4	506.9
22.5°	4090.7	3386.7	1807.3	724.4	535.0	501.7	486.4	476.1	463.3	455.7	453.1
25°	3957.5	3181.9	1428.4	563.2	486.4	463.3	440.3	427.5	407.0	396.8	394.2
27.5°	3801.4	2979.7	1100.7	488.9	437.7	414.7	391.7	371.2	345.6	335.3	330.2
30°	3711.8	2782.6	829.4	437.7	401.9	371.2	343.0	317.4	289.3	271.3	266.2
32.5°	3665.7	2603.4	622.0	399.3	363.5	330.2	294.4	263.7	238.1	222.7	220.1
35°	3609.4	2429.3	488.9	363.5	327.7	291.8	256.0	225.3	199.7	186.9	181.7
37.5°	3668.3	2326.9	407.0	335.3	299.5	258.5	220.1	189.4	169.0	156.2	153.6
40°	3829.5	2242.4	353.3	309.7	271.3	227.8	192.0	161.3	143.4	133.1	128.0
42.5°	4077.9	2242.4	320.0	284.1	245.7	199.7	163.8	140.8	122.9	112.6	110.1
45°	4528.4	2311.6	291.8	258.5	215.0	171.5	140.8	117.8	99.8	89.6	87.0
47.5°	5160.7	2470.3	268.8	235.5	192.0	151.0	122.9	99.8	81.9	71.7	69.1
50°	6010.5	2831.2	245.7	207.3	171.5	130.6	102.4	79.4	64.0	53.8	51.2
52.5°	7070.3	3343.2	222.7	192.0	145.9	110.1	81.9	64.0	48.6	41.0	38.4
55°	8191.5	3970.3	194.5	171.5	125.4	92.2	66.6	48.6	35.8	30.7	28.2
57.5°	9320.4	4454.2	171.5	148.5	102.4	74.2	53.8	38.4	25.6	20.5	17.9
60°	9919.5	4500.2	148.5	122.9	81.9	58.9	41.0	28.2	17.9	12.8	10.2
62.5°	10011.6	4090.7	128.0	99.8	66.6	46.1	28.2	20.5	10.2	5.1	5.1
65°	9538.0	3409.7	110.1	79.4	51.2	33.3	20.5	12.8	5.1	2.6	0.0
67°	8770.1	2856.8	94.7	66.6	41.0	25.6	15.4	7.7	2.6	0.0	0.0
67.5°	8473.1	2703.2	89.6	61.4	38.4	23.0	12.8	7.7	2.6	0.0	0.0
70°	6576.3	1930.1	66.6	43.5	28.2	17.9	10.2	5.1	0.0	0.0	0.0
72.5°	4029.2	1128.9	51.2	30.7	20.5	12.8	7.7	2.6	0.0	0.0	0.0
75°	1689.5	389.1	43.5	23.0	15.4	7.7	5.1	2.6	0.0	0.0	0.0
77.5°	440.3	145.9	30.7	15.4	10.2	7.7	5.1	2.6	0.0	0.0	0.0
80°	179.2	66.6	20.5	10.2	10.2	7.7	5.1	2.6	0.0	0.0	0.0
82.5°	117.8	30.7	12.8	10.2	7.7	5.1	2.6	0.0	0.0	0.0	0.0
85°	89.6	17.9	7.7	7.7	5.1	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	38.4	10.2	7.7	5.1	5.1	0.0	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)