

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: P484256

Luminaire Tested: **IFLD-S-SA6B-722-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484256
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

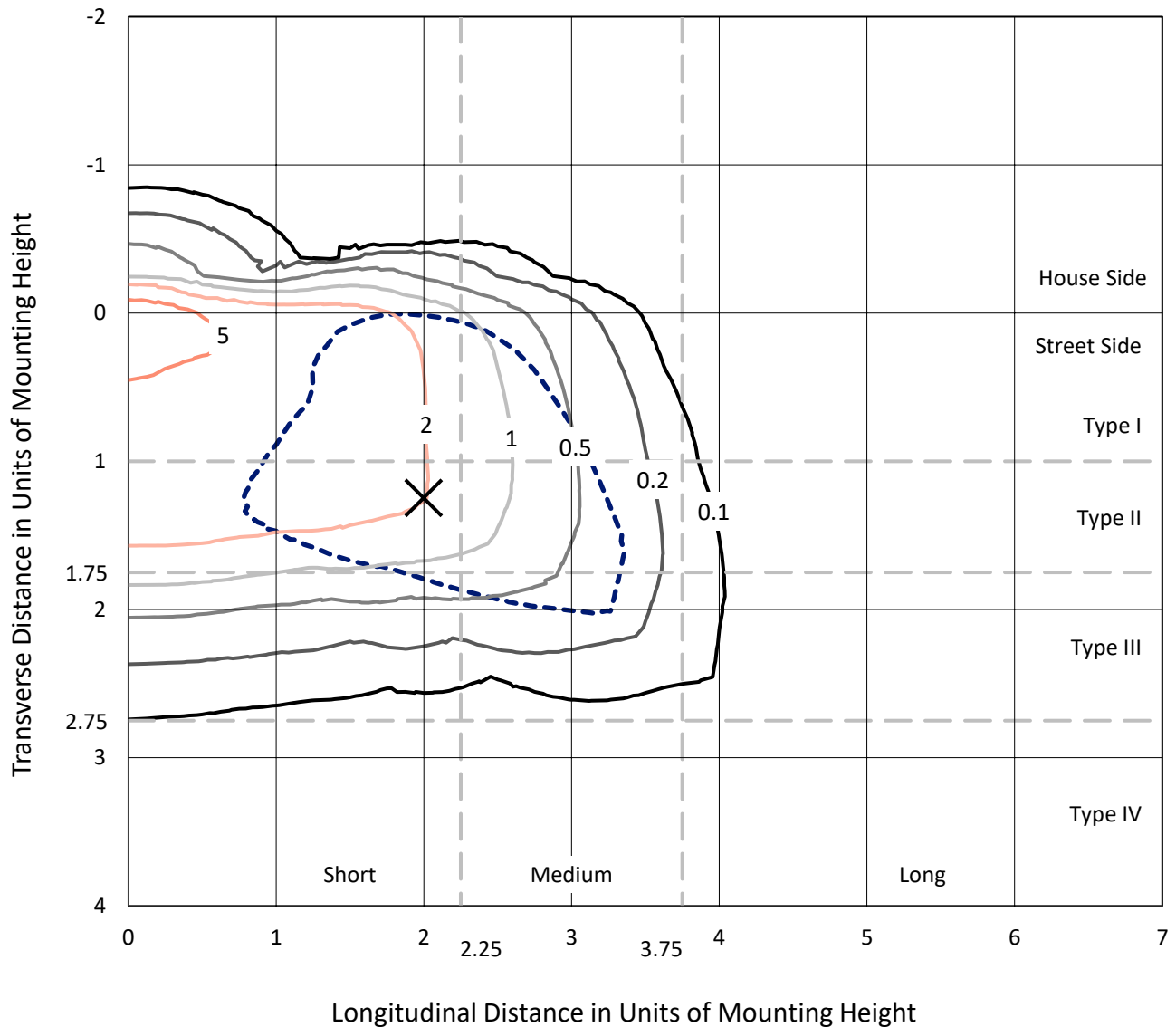
Lumens per Lamp: N/A
Luminaire Lumens: 20562.4 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

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

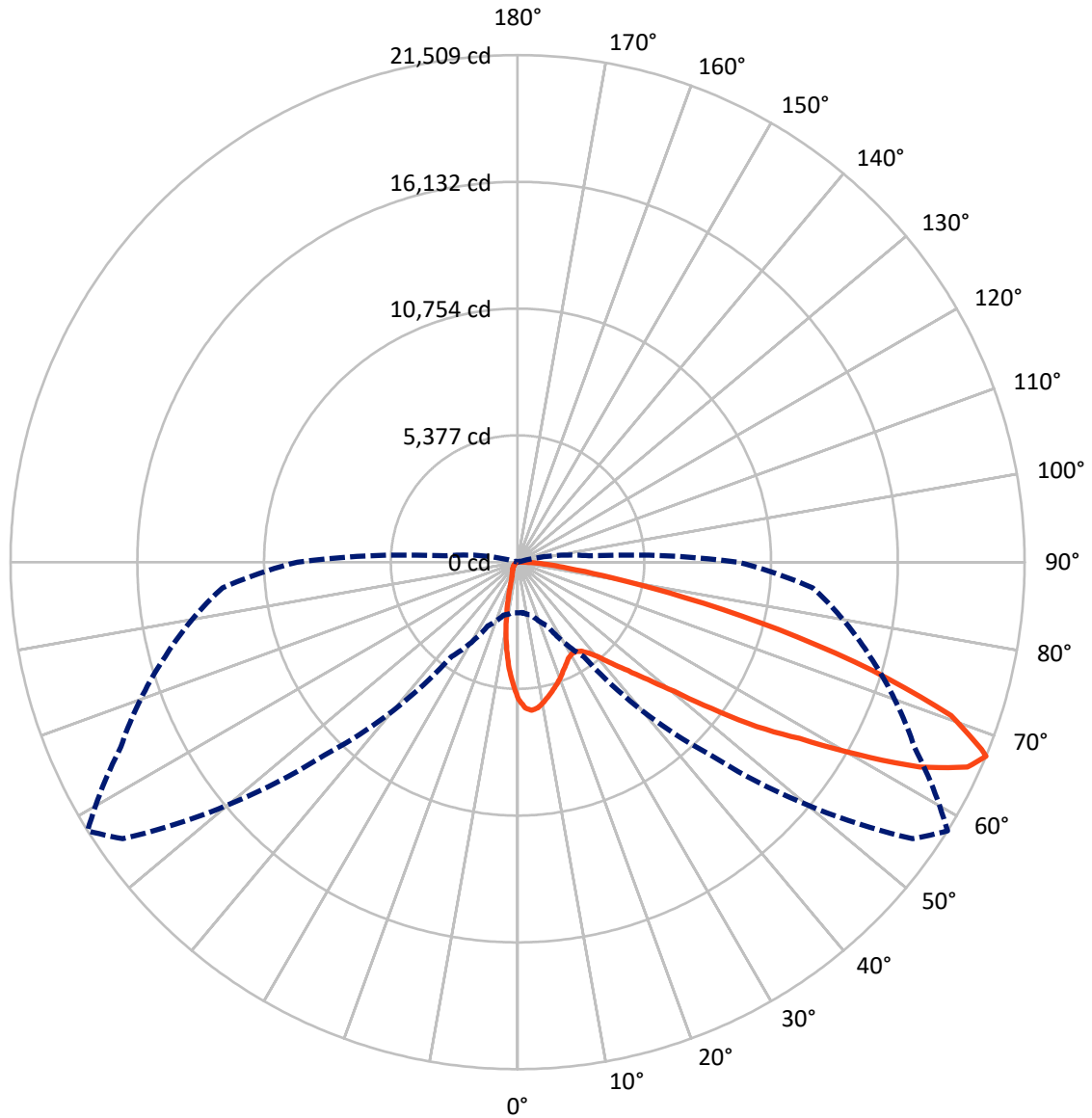
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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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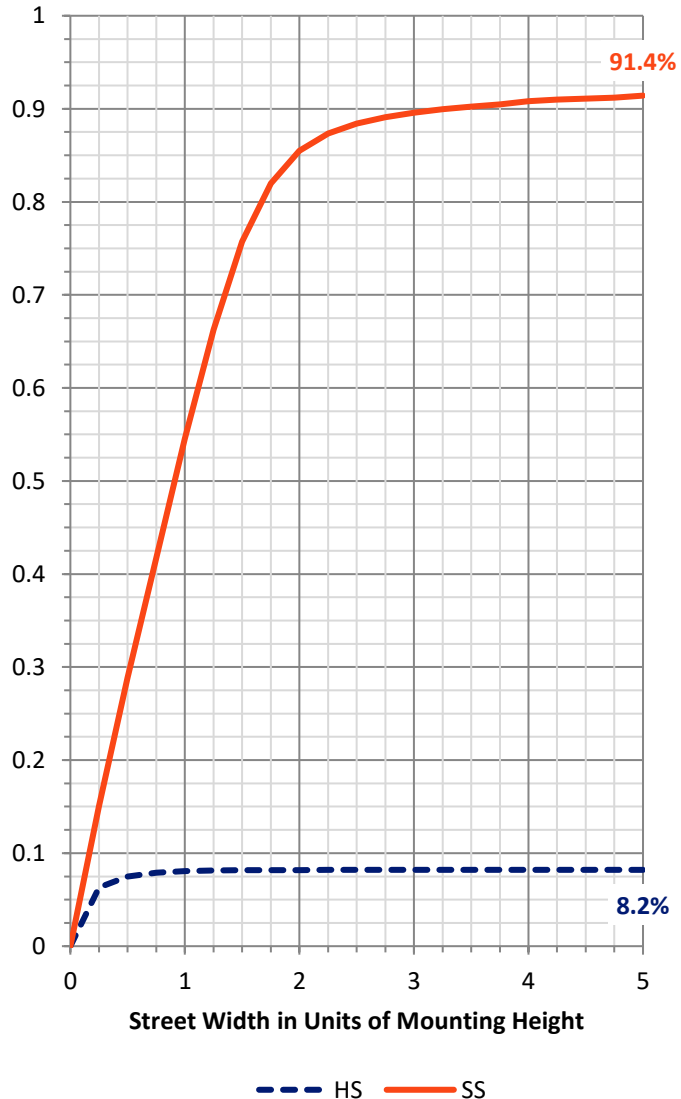
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1699.6	0.0	1699.6
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	18862.8	0.0	18862.8
	% Fixture	91.7	0.0	91.7
Total	Lumens	20562.4	0.0	20562.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.2	2.2
10°-20°	958.8	4.7
20°-30°	1272.1	6.2
30°-40°	1762.7	8.6
40°-50°	2876.2	14.0
50°-60°	5055.4	24.6
60°-70°	5599.3	27.2
70°-80°	2320.3	11.3
80°-90°	255.4	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°	20562.4	100.0
0°-180°	20562.4	100.0

Coefficient of Utilization



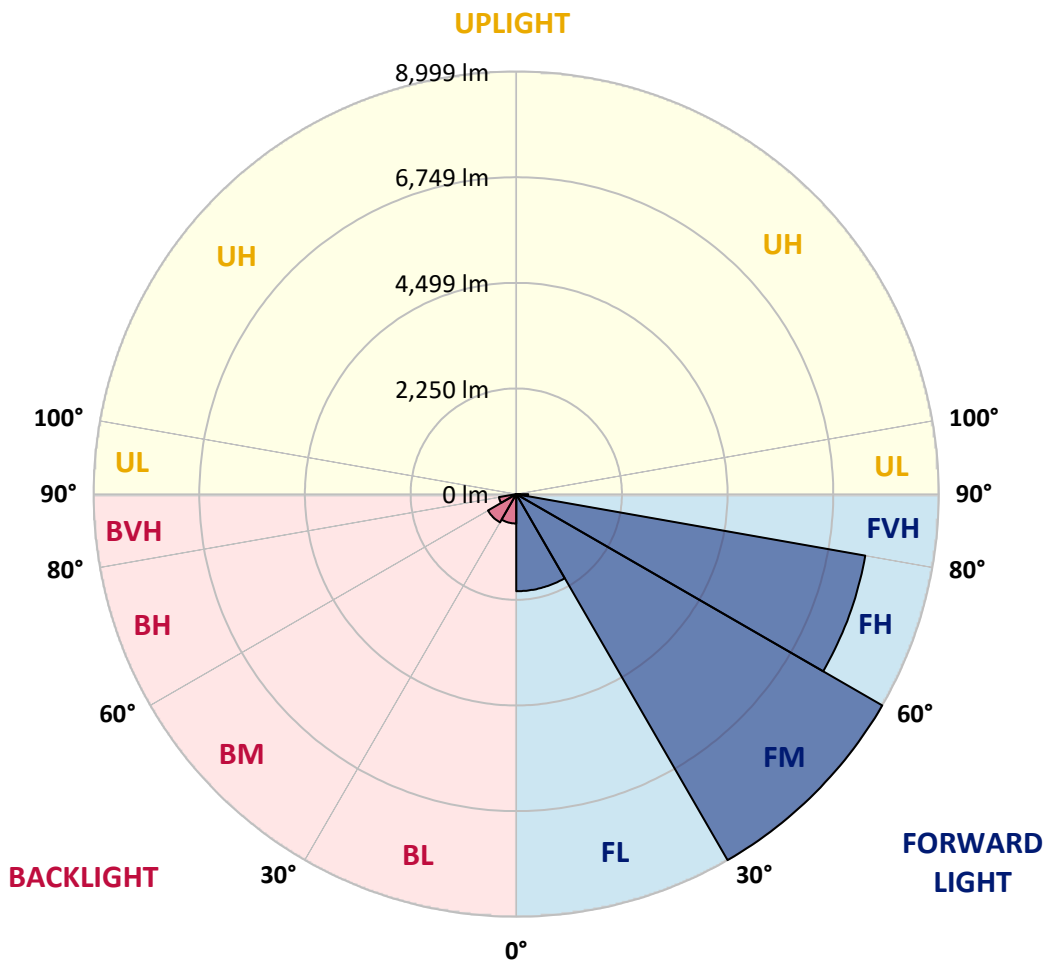
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2067.1	10.1			
FM (30°-60°)	8998.5	43.8			
FH (60°-80°)	7545.9	36.7			G4/12000
FVH (80°-90°)	251.2	1.2			G3/500
BL (0°-30°)	626.0	3.0	B2/1000		
BM (30°-60°)	695.8	3.4	B1/1000		
BH (60°-80°)	373.7	1.8	B1/500		G1/500
BVH (80°-90°)	4.2	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6
2.5°	6338.8	6360.7	6379.8	6344.3	6374.3	6330.6	6218.7	6194.1	6175.0	6008.5	5913.0
5°	6336.1	6311.5	6330.6	6347.0	6306.1	6338.8	6311.5	6314.3	6240.5	6090.4	5822.9
7.5°	5913.0	5902.0	5913.0	5992.1	6082.2	6153.2	6194.1	6235.1	6186.0	5962.1	5702.8
10°	5342.4	5397.0	5427.0	5569.0	5708.2	5839.3	5967.6	6044.0	6030.3	5940.3	5571.7
12.5°	4943.8	4927.5	5036.7	5129.5	5268.7	5533.5	5757.4	5828.3	5910.2	5784.7	5399.7
15°	4575.3	4531.6	4597.1	4758.2	4995.7	5205.9	5519.9	5626.3	5730.1	5762.8	5306.9
17.5°	4223.2	4245.0	4313.2	4457.9	4681.8	4976.6	5271.4	5424.3	5672.7	5629.1	5167.7
20°	4053.9	4100.3	4124.9	4198.6	4354.2	4649.0	5088.5	5211.4	5476.2	5626.3	5031.2
22.5°	4062.1	4062.1	4004.8	4048.4	4190.4	4419.7	4840.1	4976.6	5397.0	5484.4	4908.4
25°	4149.4	4094.8	4097.6	4045.7	4105.8	4231.3	4616.3	4782.8	5235.9	5498.0	4842.8
27.5°	4215.0	4204.0	4187.7	4174.0	4097.6	4116.7	4468.8	4605.3	5173.2	5481.6	4741.8
30°	4452.5	4403.3	4386.9	4356.9	4255.9	4163.1	4351.5	4523.4	5124.0	5519.9	4684.5
32.5°	4651.7	4659.9	4673.6	4586.2	4498.9	4269.6	4384.2	4520.7	5088.5	5607.2	4741.8
35°	4902.9	4938.4	4943.8	4916.5	4823.7	4597.1	4520.7	4638.1	5148.6	5762.8	4747.3
37.5°	5285.1	5246.9	5350.6	5361.5	5296.0	4995.7	4837.4	4883.8	5326.0	6011.2	4954.8
40°	5533.5	5579.9	5773.7	5893.9	5781.9	5508.9	5296.0	5287.8	5582.6	6401.6	5211.4
42.5°	5809.2	5913.0	6125.9	6385.2	6371.6	6117.7	5902.0	5866.6	6038.5	6966.7	5618.1
45°	6186.0	6278.8	6576.3	6966.7	7179.6	6964.0	6639.1	6568.1	6592.7	7736.5	6311.5
47.5°	6811.1	6786.5	7215.1	7600.0	7949.5	7782.9	7643.7	7436.2	7417.1	8642.9	7269.7
50°	7518.1	7512.7	7894.9	8331.7	8735.7	9060.5	8828.5	8601.9	8607.4	9874.0	8397.2
52.5°	8189.7	8296.2	8708.4	9142.4	9835.8	10185.3	10409.1	10319.0	9885.0	10974.2	9603.8
55°	8544.6	8637.4	9046.9	9794.9	10889.6	11787.7	12393.7	12317.3	11479.2	12213.6	10794.0
57.5°	8208.8	8271.6	8825.8	9805.8	11626.6	13630.4	14211.9	14116.3	13128.1	13160.8	12232.7
60°	6802.9	6901.2	7725.6	8874.9	11340.0	15049.9	16715.2	16570.5	14629.5	14359.3	13158.1
62.5°	4711.8	4777.3	5454.3	6884.8	9980.5	15544.0	19079.3	19158.4	16212.9	15292.9	13433.8
65°	3052.0	3046.6	3434.2	4403.3	7073.2	14048.1	20477.0	20968.4	17741.6	15434.8	13349.2
67°	2156.6	2148.4	2331.3	2986.5	4897.4	11574.8	20452.4	21508.9	18571.5	15475.8	12565.7
67.5°	1990.1	1981.9	2156.6	2746.3	4419.7	10764.0	20146.7	21230.4	18863.6	15418.5	12221.8
70°	1545.1	1523.3	1588.8	1891.8	2574.3	6961.2	17242.0	19502.4	18257.6	13988.0	9759.4
72.5°	1116.5	1141.1	1244.8	1553.3	2020.1	3745.4	13141.7	15770.6	15249.2	10542.9	6202.3
75°	778.0	799.9	966.4	1266.7	1853.6	2271.3	8885.8	11438.3	10622.0	5820.1	2642.5
77.5°	406.8	434.1	617.0	1012.8	1684.3	1758.1	5309.7	7253.3	5629.1	2072.0	728.9
80°	188.4	202.0	308.5	718.0	1408.6	1545.1	3095.7	4034.8	2252.2	464.1	251.2
82.5°	81.9	90.1	142.0	412.2	999.1	1351.3	1916.4	2115.7	816.2	150.1	155.6
85°	16.4	19.1	54.6	218.4	483.2	819.0	1345.8	1255.8	409.5	73.7	122.8
87.5°	0.0	0.0	13.6	62.8	131.0	243.0	570.5	570.5	125.6	38.2	46.4
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°	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6	5825.6
2.5°	5828.3	5730.1	5514.4	5315.1	5173.2	5012.1	4799.2	4703.6	4668.1	4619.0	4545.3
5°	5675.5	5555.3	5186.8	4815.5	4408.8	4100.3	3772.7	3581.6	3436.9	3346.9	3316.8
7.5°	5459.8	5214.1	4717.3	4122.1	3595.3	3136.7	2639.8	2304.0	2088.4	2001.0	1919.1
10°	5287.8	4968.4	4212.2	3472.4	2770.8	2099.3	1539.7	1244.8	1021.0	936.4	925.4
12.5°	5064.0	4681.8	3740.0	2809.1	1927.3	1250.3	851.7	739.8	677.0	666.1	657.9
15°	4878.3	4422.4	3292.3	2175.7	1247.6	780.8	663.4	636.1	619.7	614.2	617.0
17.5°	4752.8	4144.0	2833.6	1583.3	821.7	638.8	611.5	595.1	586.9	584.2	576.0
20°	4504.3	3909.2	2380.5	1108.3	641.5	589.7	567.8	554.2	546.0	543.2	540.5
22.5°	4362.4	3611.7	1927.3	772.6	570.5	535.1	518.7	507.8	494.1	485.9	483.2
25°	4220.4	3393.3	1523.3	600.6	518.7	494.1	469.5	455.9	434.1	423.1	420.4
27.5°	4053.9	3177.6	1173.9	521.4	466.8	442.2	417.7	395.8	368.5	357.6	352.2
30°	3958.4	2967.4	884.5	466.8	428.6	395.8	365.8	338.5	308.5	289.4	283.9
32.5°	3909.2	2776.3	663.4	425.9	387.6	352.2	313.9	281.2	253.9	237.5	234.8
35°	3849.2	2590.7	521.4	387.6	349.4	311.2	273.0	240.2	212.9	199.3	193.8
37.5°	3911.9	2481.5	434.1	357.6	319.4	275.7	234.8	202.0	180.2	166.5	163.8
40°	4083.9	2391.4	376.7	330.3	289.4	243.0	204.7	172.0	152.9	142.0	136.5
42.5°	4348.7	2391.4	341.2	303.0	262.1	212.9	174.7	150.1	131.0	120.1	117.4
45°	4829.2	2465.1	311.2	275.7	229.3	182.9	150.1	125.6	106.5	95.5	92.8
47.5°	5503.5	2634.4	286.6	251.2	204.7	161.1	131.0	106.5	87.4	76.4	73.7
50°	6409.8	3019.3	262.1	221.1	182.9	139.2	109.2	84.6	68.2	57.3	54.6
52.5°	7540.0	3565.2	237.5	204.7	155.6	117.4	87.4	68.2	51.9	43.7	40.9
55°	8735.7	4234.1	207.5	182.9	133.8	98.3	71.0	51.9	38.2	32.8	30.0
57.5°	9939.6	4750.0	182.9	158.3	109.2	79.2	57.3	40.9	27.3	21.8	19.1
60°	10578.4	4799.2	158.3	131.0	87.4	62.8	43.7	30.0	19.1	13.6	10.9
62.5°	10676.6	4362.4	136.5	106.5	71.0	49.1	30.0	21.8	10.9	5.5	5.5
65°	10171.6	3636.2	117.4	84.6	54.6	35.5	21.8	13.6	5.5	2.7	0.0
67°	9352.6	3046.6	101.0	71.0	43.7	27.3	16.4	8.2	2.7	0.0	0.0
67.5°	9036.0	2882.8	95.5	65.5	40.9	24.6	13.6	8.2	2.7	0.0	0.0
70°	7013.1	2058.3	71.0	46.4	30.0	19.1	10.9	5.5	0.0	0.0	0.0
72.5°	4296.9	1203.9	54.6	32.8	21.8	13.6	8.2	2.7	0.0	0.0	0.0
75°	1801.7	414.9	46.4	24.6	16.4	8.2	5.5	2.7	0.0	0.0	0.0
77.5°	469.5	155.6	32.8	16.4	10.9	8.2	5.5	2.7	0.0	0.0	0.0
80°	191.1	71.0	21.8	10.9	10.9	8.2	5.5	2.7	0.0	0.0	0.0
82.5°	125.6	32.8	13.6	10.9	8.2	5.5	2.7	0.0	0.0	0.0	0.0
85°	95.5	19.1	8.2	8.2	5.5	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	40.9	10.9	8.2	5.5	5.5	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)