

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: P484646

Luminaire Tested: **IFLD-S-SA6B-722-U-SL4-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P484646
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-SL4-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

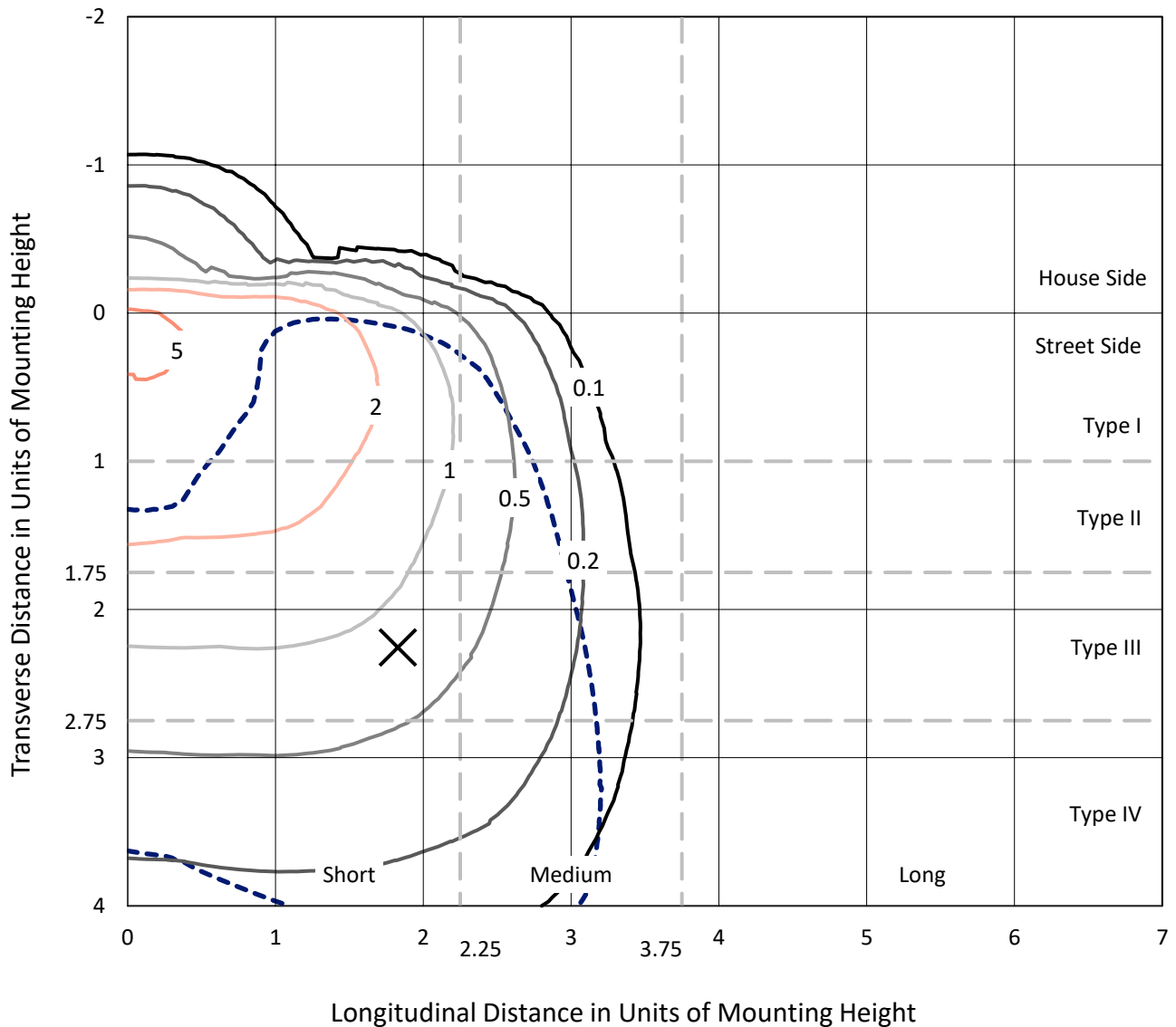
Lumens per Lamp: N/A
Luminaire Lumens: 20312.1 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

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

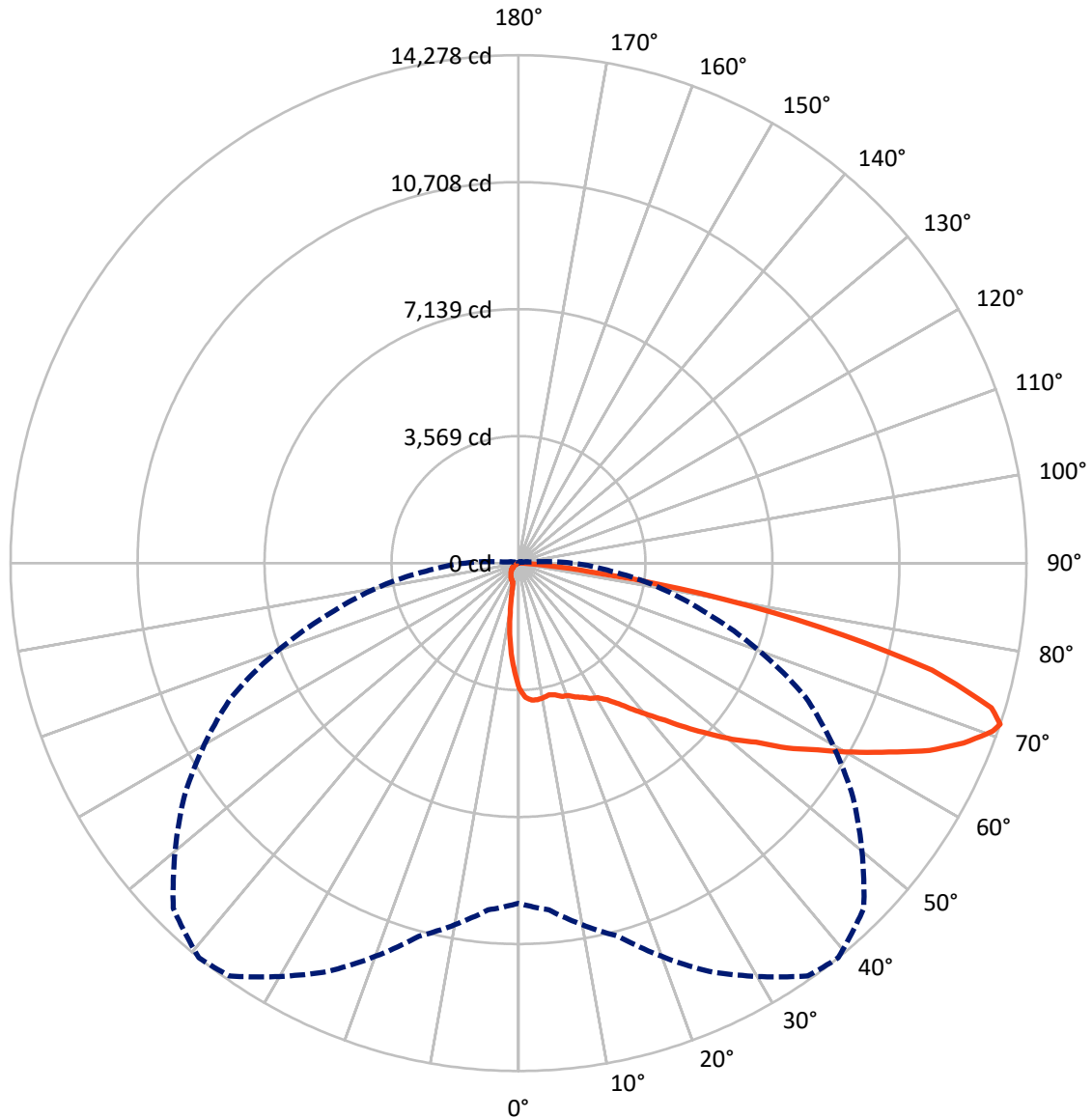
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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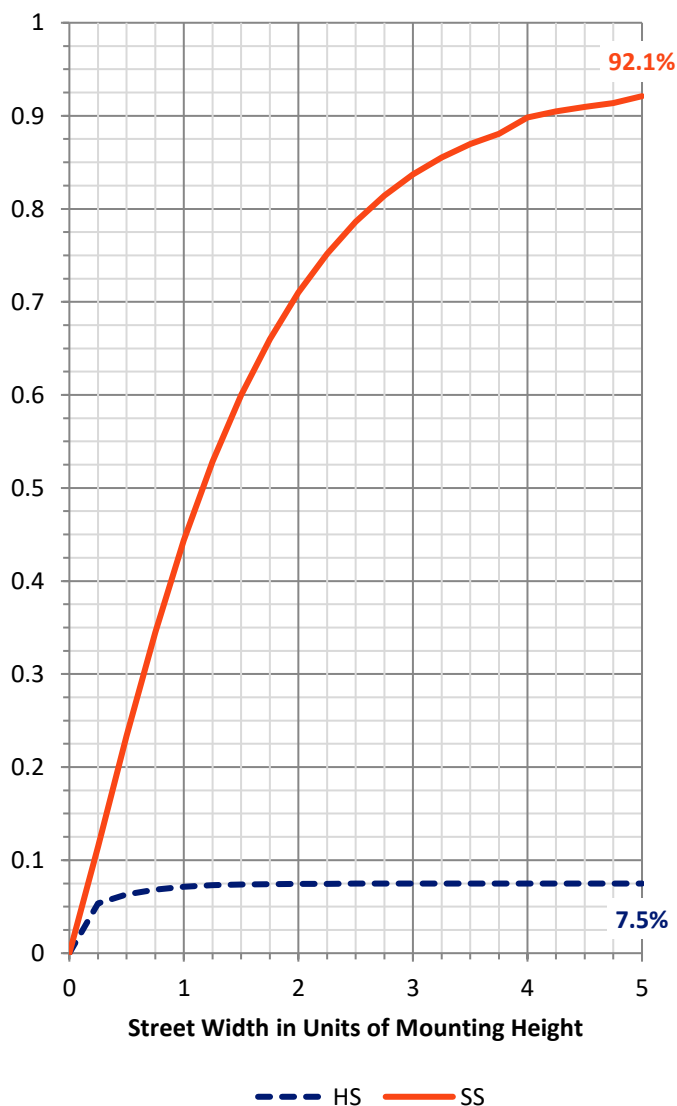
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1529.2	0.0	1529.2
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	18783.0	0.0	18783.0
	% Fixture	92.5	0.0	92.5
Total	Lumens	20312.1	0.0	20312.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.6	1.5
10°-20°	727.5	3.6
20°-30°	1167.9	5.8
30°-40°	1787.9	8.8
40°-50°	2869.8	14.1
50°-60°	4215.3	20.8
60°-70°	5309.0	26.1
70°-80°	3543.1	17.4
80°-90°	396.0	1.9
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°	20312.1	100.0
0°-180°	20312.1	100.0

Coefficient of Utilization



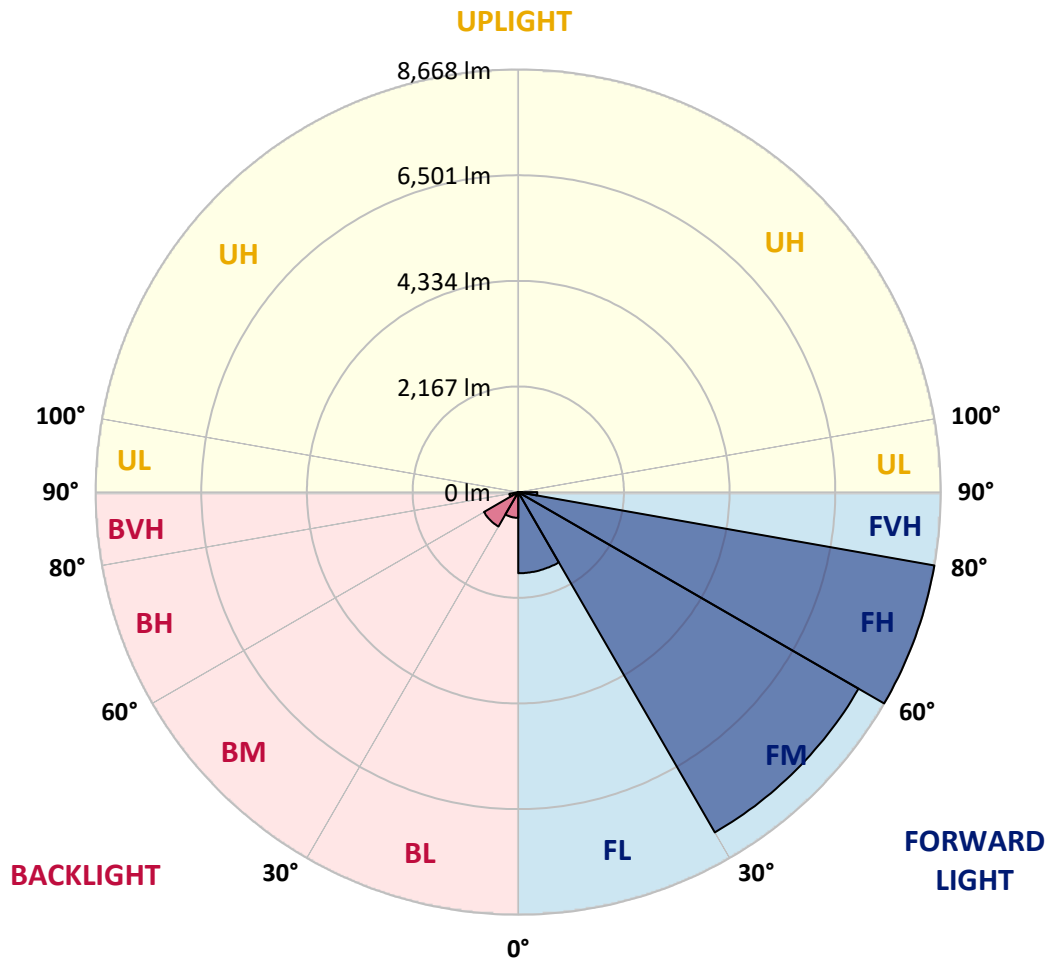
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1663.1	8.2			
FM (30°-60°)	8060.2	39.7			
FH (60°-80°)	8668.1	42.7			G4/12000
FVH (80°-90°)	391.6	1.9			G3/500
BL (0°-30°)	528.0	2.6	B2/1000		
BM (30°-60°)	812.8	4.0	B1/1000		
BH (60°-80°)	184.0	0.9	B1/500		G1/500
BVH (80°-90°)	4.4	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5
2.5°	3809.9	3847.2	3809.9	3793.9	3777.9	3780.6	3737.9	3745.9	3695.3	3628.7	3575.4
5°	3929.8	3980.4	3940.4	3921.8	3919.1	3868.5	3847.2	3796.6	3735.3	3631.4	3567.4
7.5°	3919.1	3908.5	3927.1	3911.1	3876.5	3876.5	3852.5	3780.6	3719.3	3602.1	3492.8
10°	3839.2	3871.2	3855.2	3836.5	3844.5	3847.2	3801.9	3751.3	3732.6	3615.4	3436.9
12.5°	3831.2	3777.9	3836.5	3839.2	3804.5	3801.9	3796.6	3783.2	3724.6	3618.0	3450.2
15°	3804.5	3783.2	3841.8	3844.5	3852.5	3844.5	3852.5	3841.8	3783.2	3722.0	3508.8
17.5°	3825.9	3801.9	3884.5	3924.4	3905.8	3943.1	3929.8	3881.8	3831.2	3759.3	3564.8
20°	3831.2	3865.8	3956.4	3972.4	4031.0	3969.7	3967.1	3916.4	3884.5	3807.2	3599.4
22.5°	3929.8	3945.8	4057.6	4092.3	4094.9	4087.0	4020.4	3961.7	3948.4	3852.5	3607.4
25°	4079.0	4134.9	4185.5	4206.8	4214.8	4177.5	4108.3	4033.7	4001.7	3940.4	3690.0
27.5°	4342.7	4308.1	4353.4	4385.4	4294.8	4308.1	4220.2	4156.2	4110.9	4057.6	3785.9
30°	4577.2	4545.2	4547.9	4542.5	4465.3	4393.3	4369.4	4257.5	4201.5	4222.8	3935.1
32.5°	4787.7	4718.4	4777.0	4750.4	4606.5	4585.2	4566.5	4425.3	4436.0	4534.6	4158.9
35°	4982.1	4958.2	5006.1	4958.2	4862.3	4856.9	4838.3	4715.7	4774.3	4915.5	4542.5
37.5°	5160.6	5168.6	5227.3	5203.3	5211.3	5216.6	5205.9	5075.4	5243.2	5560.3	4990.1
40°	5325.8	5315.2	5459.0	5533.6	5549.6	5608.2	5608.2	5576.3	5834.7	6191.7	5610.9
42.5°	5501.7	5528.3	5714.8	5840.0	5991.9	6042.5	6111.8	6127.8	6527.4	6935.0	6245.0
45°	5789.4	5744.1	5981.2	6277.0	6410.2	6588.7	6695.3	6785.8	7268.1	7827.6	6879.1
47.5°	6154.4	6063.8	6271.6	6700.6	7009.6	7156.2	7348.0	7467.9	7939.5	8517.6	7478.5
50°	6559.4	6466.1	6567.4	7158.8	7518.5	7784.9	8030.0	8181.9	8752.1	9290.2	7915.5
52.5°	7017.6	6932.4	6948.4	7635.7	8165.9	8360.4	8682.8	8909.2	9476.7	9756.5	8070.0
55°	7505.2	7483.9	7433.3	8102.0	8733.4	9170.3	9364.8	9636.6	10220.1	10009.6	8237.9
57.5°	7995.4	7928.8	8000.7	8720.1	9644.6	9905.7	10174.8	10337.3	10633.0	10230.7	8173.9
60°	8456.3	8461.7	8562.9	9391.5	10419.9	10790.2	11032.7	10934.1	11056.6	10326.6	8027.4
62.5°	8845.3	8834.6	9090.4	10145.5	11445.6	11696.0	11877.2	11437.6	11253.8	10419.9	7771.6
65°	9194.3	9314.2	9716.5	11043.3	12410.1	12697.8	12588.6	11914.5	11445.6	10145.5	7052.3
67.5°	9458.1	9636.6	10334.6	11887.9	13294.6	13497.1	13345.2	12276.9	11219.1	9069.1	5744.1
70°	9612.6	9793.8	10776.9	12591.2	14000.6	14147.2	13790.1	11997.1	9897.7	6567.4	3583.4
71°	9564.7	9785.8	10862.1	12665.8	14168.5	14277.7	13723.5	11480.2	8901.3	5499.0	2613.6
72.5°	9130.4	9338.2	10507.8	12612.6	13966.0	13899.4	13204.0	10238.7	7007.0	3506.2	1350.8
75°	6708.6	6932.4	9018.5	10910.1	12466.0	12007.8	10686.3	7185.5	3655.3	1073.7	394.3
77.5°	3341.0	3378.3	5597.6	7920.8	9143.7	8688.1	7161.5	4007.0	1366.8	317.0	197.2
80°	1539.9	1550.6	2099.4	4102.9	5528.3	5203.3	4012.4	1976.9	618.1	167.8	154.5
82.5°	1049.7	1065.7	1265.5	1699.8	2400.5	2024.8	1625.2	1265.5	354.3	101.2	151.9
85°	191.8	175.8	708.7	900.5	927.2	628.8	562.2	1095.0	133.2	58.6	133.2
87.5°	0.0	2.7	98.6	367.7	330.4	146.5	191.8	266.4	13.3	18.6	24.0
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°	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5
2.5°	3530.1	3500.8	3402.2	3293.0	3194.4	3117.2	3018.6	2973.3	2901.4	2861.4	2858.7
5°	3479.5	3399.6	3229.1	3045.2	2840.1	2669.6	2480.4	2373.8	2251.3	2214.0	2206.0
7.5°	3394.3	3279.7	3029.3	2770.8	2456.4	2155.4	1923.6	1675.8	1523.9	1460.0	1436.0
10°	3341.0	3202.4	2861.4	2475.1	2035.5	1611.9	1286.8	1023.1	884.5	817.9	801.9
12.5°	3341.0	3191.8	2725.5	2192.7	1609.2	1103.0	796.6	644.7	599.5	583.5	583.5
15°	3333.0	3170.5	2595.0	1902.3	1190.9	740.7	594.1	562.2	556.8	554.2	551.5
17.5°	3372.9	3133.2	2461.8	1590.6	841.9	583.5	546.2	540.8	535.5	535.5	530.2
20°	3402.2	3111.8	2301.9	1260.2	628.8	540.8	524.9	516.9	514.2	511.5	516.9
22.5°	3378.3	3079.9	2104.8	943.1	548.8	514.2	503.5	495.6	490.2	490.2	492.9
25°	3423.6	3050.6	1907.6	711.4	514.2	490.2	479.6	474.2	471.6	468.9	463.6
27.5°	3484.8	3063.9	1673.1	572.8	484.9	466.2	455.6	450.3	447.6	442.3	447.6
30°	3559.4	3061.2	1414.7	500.9	458.3	439.6	428.9	426.3	421.0	418.3	421.0
32.5°	3687.3	3130.5	1148.3	463.6	428.9	413.0	402.3	399.6	397.0	394.3	391.6
35°	3961.7	3215.7	897.9	434.3	402.3	383.7	375.7	370.3	367.7	365.0	362.3
37.5°	4300.1	3404.9	684.7	407.6	375.7	357.0	349.0	346.4	335.7	333.0	330.4
40°	4723.7	3607.4	527.5	378.3	351.7	333.0	325.0	317.0	303.7	298.4	293.1
42.5°	5251.2	3804.5	434.3	351.7	325.0	311.7	298.4	285.1	274.4	263.8	258.4
45°	5778.8	4033.7	381.0	327.7	303.7	287.7	277.1	258.4	239.8	223.8	221.1
47.5°	6218.4	4116.3	349.0	301.1	282.4	269.1	253.1	229.1	202.5	186.5	183.8
50°	6546.1	4068.3	317.0	274.4	258.4	245.1	223.8	194.5	167.8	151.9	146.5
52.5°	6610.0	3857.8	287.7	253.1	234.5	218.5	194.5	162.5	133.2	117.2	114.6
55°	6564.7	3508.8	263.8	234.5	213.1	189.2	162.5	130.5	103.9	87.9	85.3
57.5°	6471.5	3095.9	237.1	210.5	186.5	162.5	133.2	106.6	77.3	61.3	61.3
60°	6154.4	2533.7	210.5	183.8	159.9	138.5	109.2	77.3	53.3	40.0	37.3
62.5°	5712.1	1947.6	183.8	157.2	138.5	114.6	85.3	55.9	32.0	21.3	21.3
65°	4904.9	1364.1	154.5	130.5	114.6	93.2	63.9	34.6	18.6	8.0	8.0
67.5°	3727.3	844.6	127.9	109.2	98.6	74.6	45.3	21.3	8.0	2.7	0.0
70°	2139.4	439.6	101.2	87.9	77.3	55.9	32.0	10.7	5.3	0.0	0.0
71°	1494.6	325.0	90.6	77.3	69.3	50.6	26.6	8.0	2.7	0.0	0.0
72.5°	748.7	215.8	77.3	63.9	55.9	40.0	21.3	8.0	2.7	0.0	0.0
75°	266.4	138.5	53.3	42.6	40.0	29.3	13.3	5.3	2.7	0.0	0.0
77.5°	183.8	111.9	37.3	26.6	26.6	18.6	8.0	2.7	2.7	0.0	0.0
80°	167.8	61.3	24.0	16.0	13.3	10.7	5.3	2.7	0.0	0.0	0.0
82.5°	167.8	45.3	13.3	10.7	8.0	5.3	2.7	0.0	0.0	0.0	0.0
85°	117.2	24.0	8.0	8.0	5.3	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	18.6	8.0	5.3	2.7	2.7	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)