

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: P480355

Luminaire Tested: **IFLD-S-SA6A-722-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480355  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-722-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

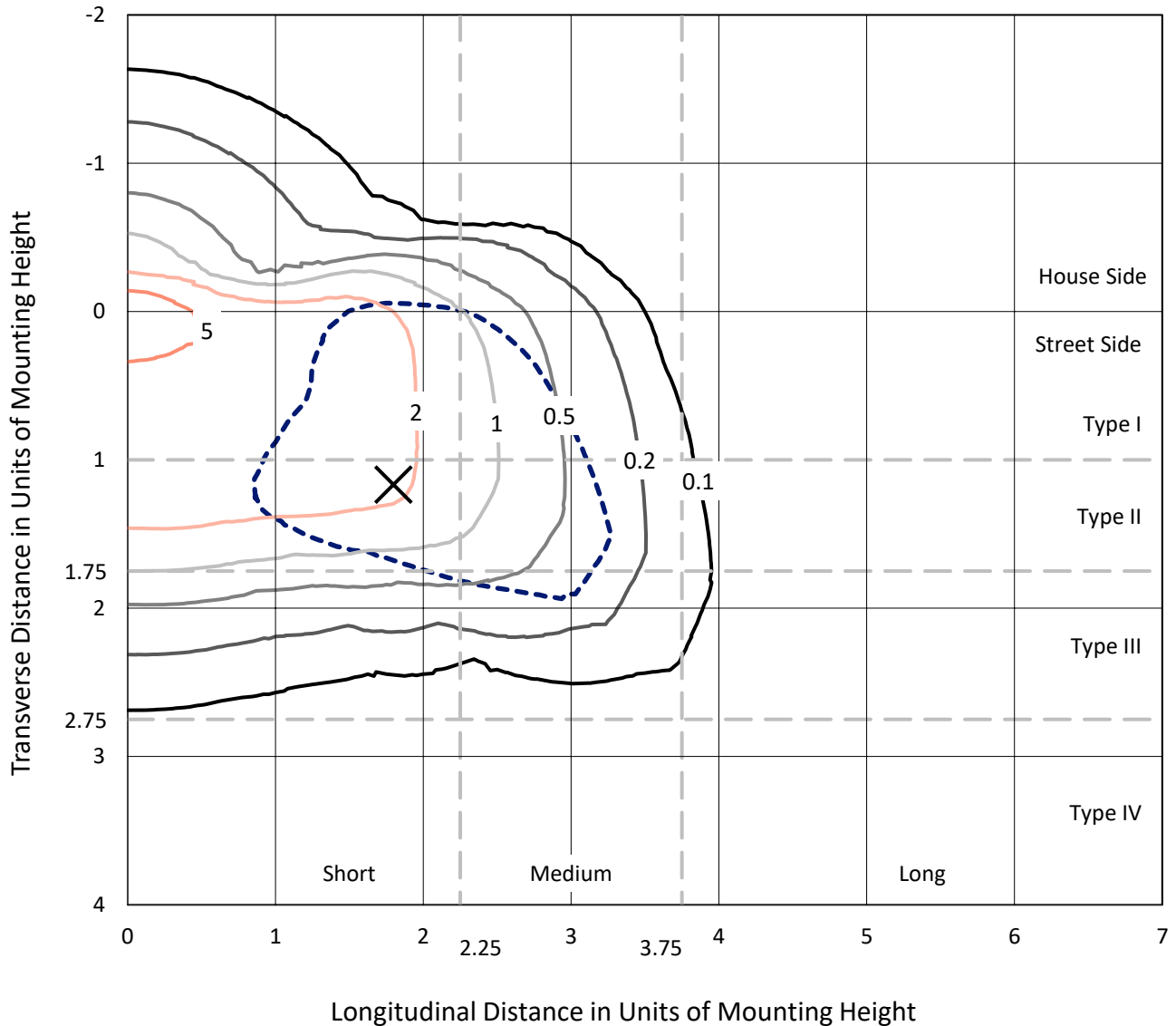
Lumens per Lamp: N/A  
Luminaire Lumens: 19616.9 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 189.6  
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

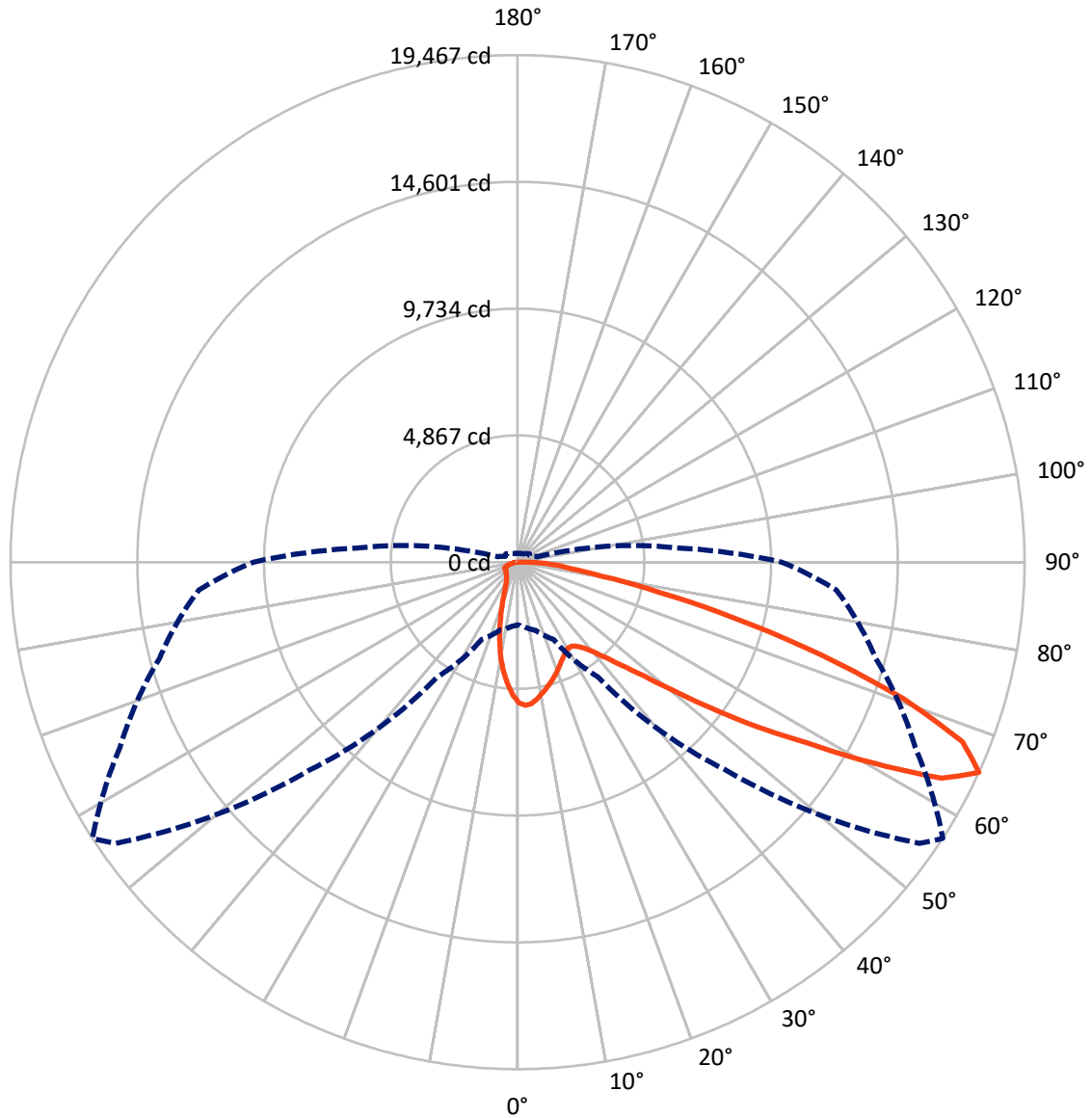
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3008.4	0.0	3008.4
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	16608.4	0.0	16608.4
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	19616.9	0.0	19616.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	451.7	2.3
10°-20°	972.2	5.0
20°-30°	1257.0	6.4
30°-40°	1691.5	8.6
40°-50°	2697.1	13.7
50°-60°	4763.8	24.3
60°-70°	5240.8	26.7
70°-80°	2192.3	11.2
80°-90°	350.4	1.8
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°	19616.9	100.0
0°-180°	19616.9	100.0

**Coefficient of Utilization**



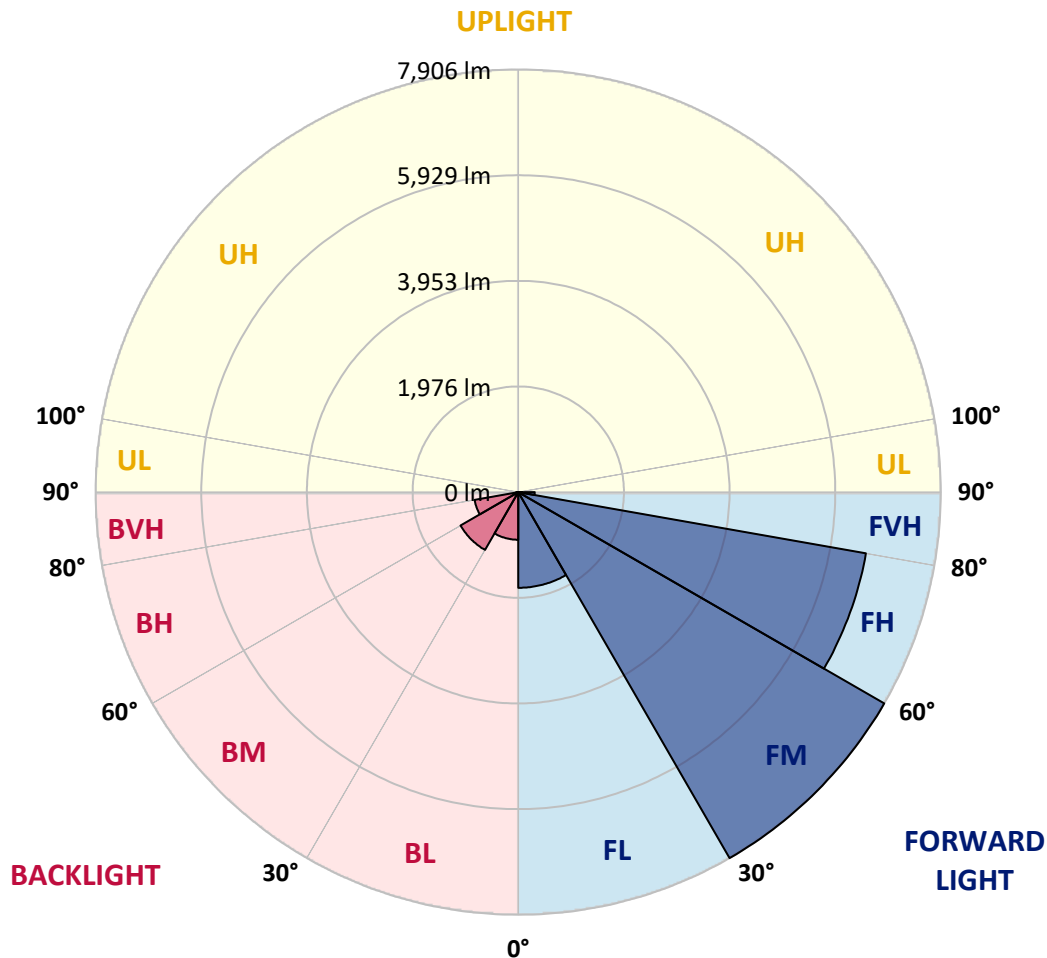
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1790.0	9.1			
FM (30°-60°)	7905.6	40.3			
FH (60°-80°)	6603.6	33.7			G3/7500
FVH (80°-90°)	309.3	1.6			G3/500
BL (0°-30°)	891.0	4.5	B2/1000		
BM (30°-60°)	1246.9	6.4	B2/2500		
BH (60°-80°)	829.5	4.2	B2/1000		G2/1000
BVH (80°-90°)	41.1	0.2			G1/100
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°	57°	65°	75°	85°
0°	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4
2.5°	5540.0	5548.9	5548.9	5566.5	5506.9	5535.6	5531.2	5504.7	5513.6	5467.2	5420.9
5°	5383.3	5376.7	5412.0	5416.4	5462.8	5476.0	5487.1	5469.4	5473.8	5372.3	5328.2
7.5°	4981.6	4979.4	5039.0	5089.8	5186.9	5277.4	5337.0	5319.3	5343.6	5279.6	5175.9
10°	4504.9	4555.6	4617.4	4668.2	4847.0	4961.8	5116.3	5131.7	5224.4	5209.0	5021.4
12.5°	4147.3	4169.4	4215.7	4361.4	4524.7	4714.6	4935.3	4955.1	5045.6	5089.8	4926.4
15°	3853.7	3873.6	3933.2	4041.4	4224.6	4449.7	4730.0	4780.8	4961.8	4977.2	4802.8
17.5°	3639.7	3655.1	3694.8	3803.0	3953.1	4242.2	4507.1	4597.6	4835.9	4911.0	4674.8
20°	3555.8	3522.7	3544.7	3613.2	3763.3	3986.2	4328.3	4407.8	4712.3	4860.2	4553.4
22.5°	3518.3	3489.6	3502.8	3498.4	3617.6	3776.5	4136.3	4220.1	4595.4	4800.6	4445.3
25°	3547.0	3547.0	3533.7	3522.7	3535.9	3639.7	3928.8	4059.0	4438.7	4749.9	4334.9
27.5°	3701.5	3641.9	3648.5	3602.1	3588.9	3588.9	3836.1	3913.3	4387.9	4721.2	4244.4
30°	3800.8	3829.5	3831.7	3763.3	3694.8	3571.2	3750.0	3825.1	4346.0	4756.5	4191.4
32.5°	4054.6	4041.4	4003.8	3990.6	3889.1	3750.0	3791.9	3842.7	4321.7	4835.9	4206.9
35°	4308.4	4301.8	4304.0	4297.4	4191.4	3986.2	3904.5	3972.9	4365.8	4975.0	4259.9
37.5°	4571.1	4588.7	4663.8	4663.8	4551.2	4328.3	4220.1	4200.3	4526.9	5202.3	4385.7
40°	4833.7	4877.9	4972.8	5122.9	4964.0	4756.5	4582.1	4551.2	4721.2	5506.9	4688.1
42.5°	5085.4	5158.2	5345.8	5568.7	5515.8	5308.3	5076.5	5041.2	5120.7	5959.4	5109.6
45°	5407.6	5469.4	5765.2	6107.3	6180.1	5996.9	5725.4	5696.8	5692.3	6621.6	5690.1
47.5°	5897.6	5963.8	6259.6	6603.9	6829.0	6857.7	6553.1	6522.2	6416.3	7515.5	6539.9
50°	6511.2	6619.4	6868.8	7270.5	7597.1	7903.9	7817.9	7727.4	7519.9	8555.1	7617.0
52.5°	6959.3	7091.7	7429.4	7943.7	8519.7	9007.5	9316.5	9316.5	8839.8	9696.2	8912.6
55°	7078.5	7157.9	7583.9	8327.7	9314.3	10548.2	11194.9	11146.3	10411.3	10896.9	10420.1
57.5°	6603.9	6707.6	7224.1	8003.3	9731.5	11989.4	13059.9	13071.0	12128.5	12291.8	11907.8
60°	5297.3	5330.4	5939.5	6981.3	9329.8	13150.4	15607.0	15649.0	14081.9	13534.5	12664.8
62.5°	3661.7	3767.7	4226.8	5140.5	7729.6	13020.2	18063.6	18271.1	15646.8	14190.0	12784.0
65°	2410.2	2474.3	2719.3	3275.5	5381.1	11285.4	18827.3	19467.4	16843.0	14227.5	12285.2
67.5°	1748.1	1759.1	1832.0	2118.9	3233.5	8115.8	17522.9	18425.6	17291.1	13914.1	11115.4
70°	1412.6	1421.4	1447.9	1631.1	2088.0	5078.7	14291.5	15706.3	15946.9	12428.7	8952.4
72.5°	1147.7	1158.8	1191.9	1364.0	1721.6	2825.2	10451.0	12174.8	12971.6	9195.1	5950.6
75°	902.7	911.6	991.0	1161.0	1617.9	1940.1	6932.8	8621.3	8729.4	5374.5	2785.5
77.5°	618.0	633.5	730.6	984.4	1523.0	1697.3	4321.7	5522.4	4955.1	2103.4	957.9
80°	392.9	415.0	472.3	746.0	1346.4	1620.1	2688.4	3297.5	2169.7	719.5	461.3
82.5°	231.8	253.8	311.2	483.4	1057.2	1503.1	1893.8	2063.7	1017.5	368.6	278.1
85°	128.0	143.5	187.6	291.3	620.2	1335.3	1516.3	1481.0	582.7	196.4	174.4
87.5°	41.9	48.6	68.4	117.0	256.0	629.0	909.4	854.2	302.4	90.5	68.4
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°	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4	5394.4
2.5°	5390.0	5383.3	5284.0	5209.0	5080.9	4975.0	4933.1	4875.7	4873.5	4831.5	4820.5
5°	5259.7	5191.3	5039.0	4893.3	4666.0	4513.7	4374.6	4277.5	4237.8	4151.7	4131.9
7.5°	5092.0	5001.5	4767.5	4493.8	4226.8	3988.4	3772.1	3555.8	3434.4	3392.4	3346.1
10°	4917.6	4758.7	4412.2	4105.4	3732.4	3366.0	3026.1	2721.5	2555.9	2438.9	2388.2
12.5°	4778.6	4566.7	4125.2	3666.1	3173.9	2683.9	2288.9	1968.8	1781.2	1692.9	1653.2
15°	4621.9	4341.5	3811.8	3231.3	2617.7	2061.5	1675.3	1423.6	1348.6	1306.7	1300.0
17.5°	4456.3	4131.9	3471.9	2803.1	2074.8	1551.7	1302.2	1200.7	1167.6	1149.9	1141.1
20°	4301.8	3944.2	3123.2	2326.4	1624.5	1244.9	1127.9	1074.9	1072.7	1081.5	1079.3
22.5°	4083.3	3699.2	2778.8	1884.9	1297.8	1083.7	1008.7	995.4	1008.7	1019.7	1024.1
25°	3959.7	3498.4	2394.8	1496.5	1072.7	962.3	938.1	933.6	953.5	966.7	964.5
27.5°	3831.7	3290.9	2037.2	1198.5	940.3	876.3	871.8	876.3	896.1	916.0	913.8
30°	3732.4	3125.4	1701.7	1002.1	838.7	814.5	810.0	814.5	825.5	827.7	827.7
32.5°	3650.7	2928.9	1417.0	869.6	776.9	757.1	761.5	759.3	761.5	763.7	765.9
35°	3602.1	2812.0	1183.1	788.0	726.2	710.7	708.5	701.9	704.1	706.3	704.1
37.5°	3705.9	2754.6	997.6	730.6	690.8	677.6	673.2	668.8	662.2	662.2	662.2
40°	3862.6	2723.7	885.1	693.1	664.4	648.9	635.7	631.3	631.3	633.5	635.7
42.5°	4173.8	2774.4	807.8	664.4	631.3	613.6	600.4	602.6	609.2	615.8	611.4
45°	4624.1	2928.9	772.5	642.3	611.4	587.1	578.3	576.1	582.7	593.7	602.6
47.5°	5213.4	3169.5	759.3	622.4	598.1	565.0	554.0	560.6	569.5	584.9	578.3
50°	6177.9	3710.3	770.3	604.8	578.3	554.0	540.8	534.1	540.8	551.8	556.2
52.5°	7438.2	4692.5	812.2	595.9	565.0	545.2	523.1	512.1	518.7	527.5	527.5
55°	8945.7	6034.5	929.2	584.9	543.0	531.9	507.7	485.6	490.0	490.0	487.8
57.5°	10274.5	7047.6	1068.3	569.5	529.7	514.3	483.4	456.9	452.5	454.7	456.9
60°	10870.4	7316.8	1134.5	565.0	529.7	492.2	450.3	423.8	417.2	412.7	412.7
62.5°	10766.7	6851.1	999.9	545.2	543.0	474.5	419.4	390.7	381.8	373.0	375.2
65°	10139.8	6186.7	788.0	518.7	545.2	463.5	388.5	359.8	344.3	333.3	331.1
67.5°	8994.3	5281.8	624.6	498.8	523.1	443.6	362.0	328.9	315.6	304.6	300.2
70°	7036.5	4140.7	543.0	472.3	470.1	395.1	331.1	302.4	282.5	269.3	269.3
72.5°	4562.3	2617.7	465.7	419.4	406.1	331.1	286.9	269.3	253.8	242.8	242.8
75°	2065.9	1216.2	375.2	350.9	331.1	264.9	242.8	234.0	220.7	209.7	209.7
77.5°	741.6	518.7	280.3	275.9	247.2	205.3	196.4	189.8	181.0	170.0	170.0
80°	415.0	328.9	209.7	200.9	172.2	152.3	141.3	141.3	136.8	130.2	128.0
82.5°	262.7	214.1	154.5	134.6	112.6	101.5	97.1	94.9	92.7	83.9	81.7
85°	165.5	145.7	101.5	79.5	66.2	50.8	48.6	46.4	41.9	37.5	37.5
87.5°	75.0	83.9	39.7	24.3	17.7	11.0	6.6	2.2	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)