

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: P479975

Luminaire Tested: **IFLD-L-SA7A-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479975
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-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

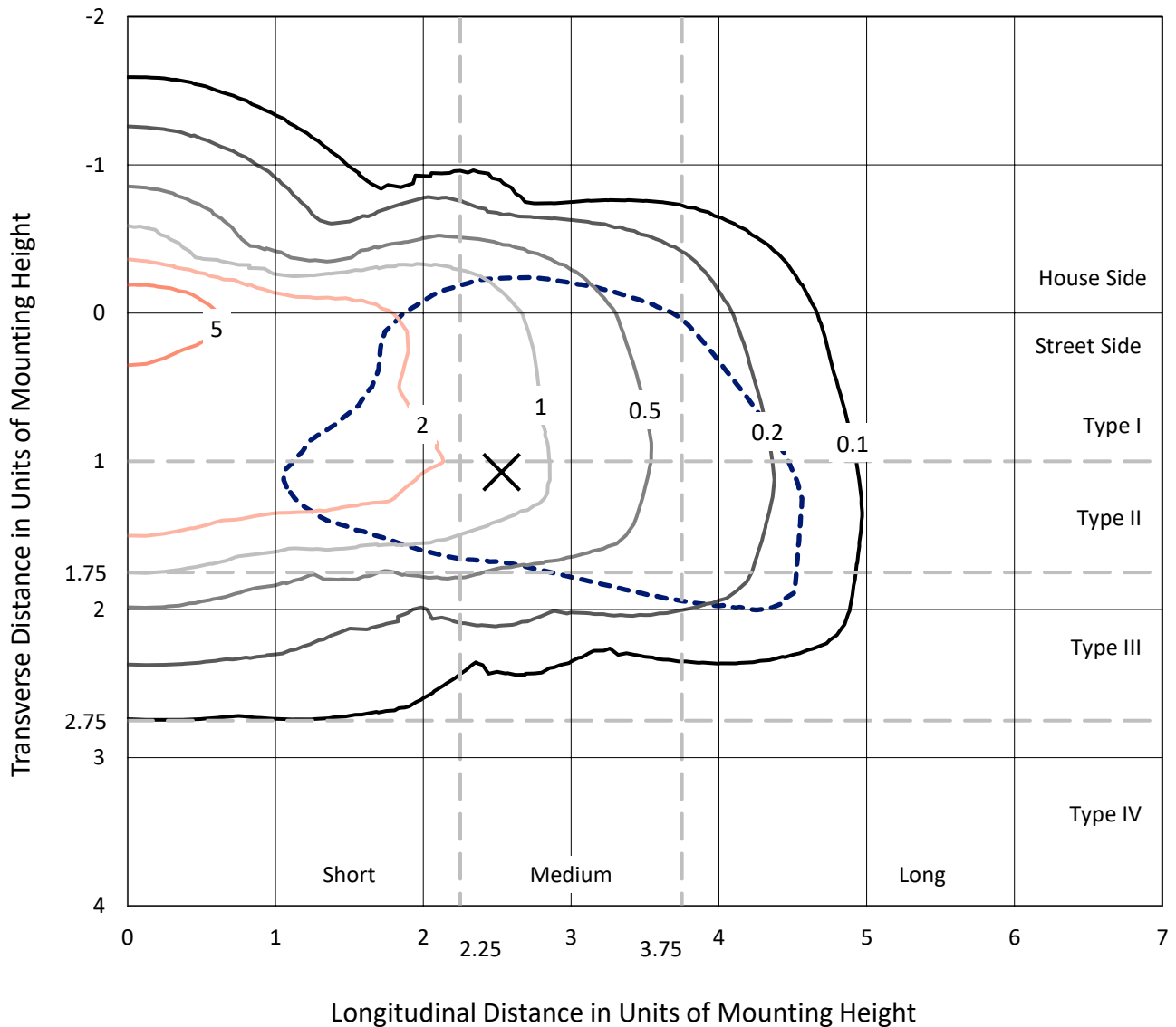
Lumens per Lamp: N/A
Luminaire Lumens: 22988.1 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

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

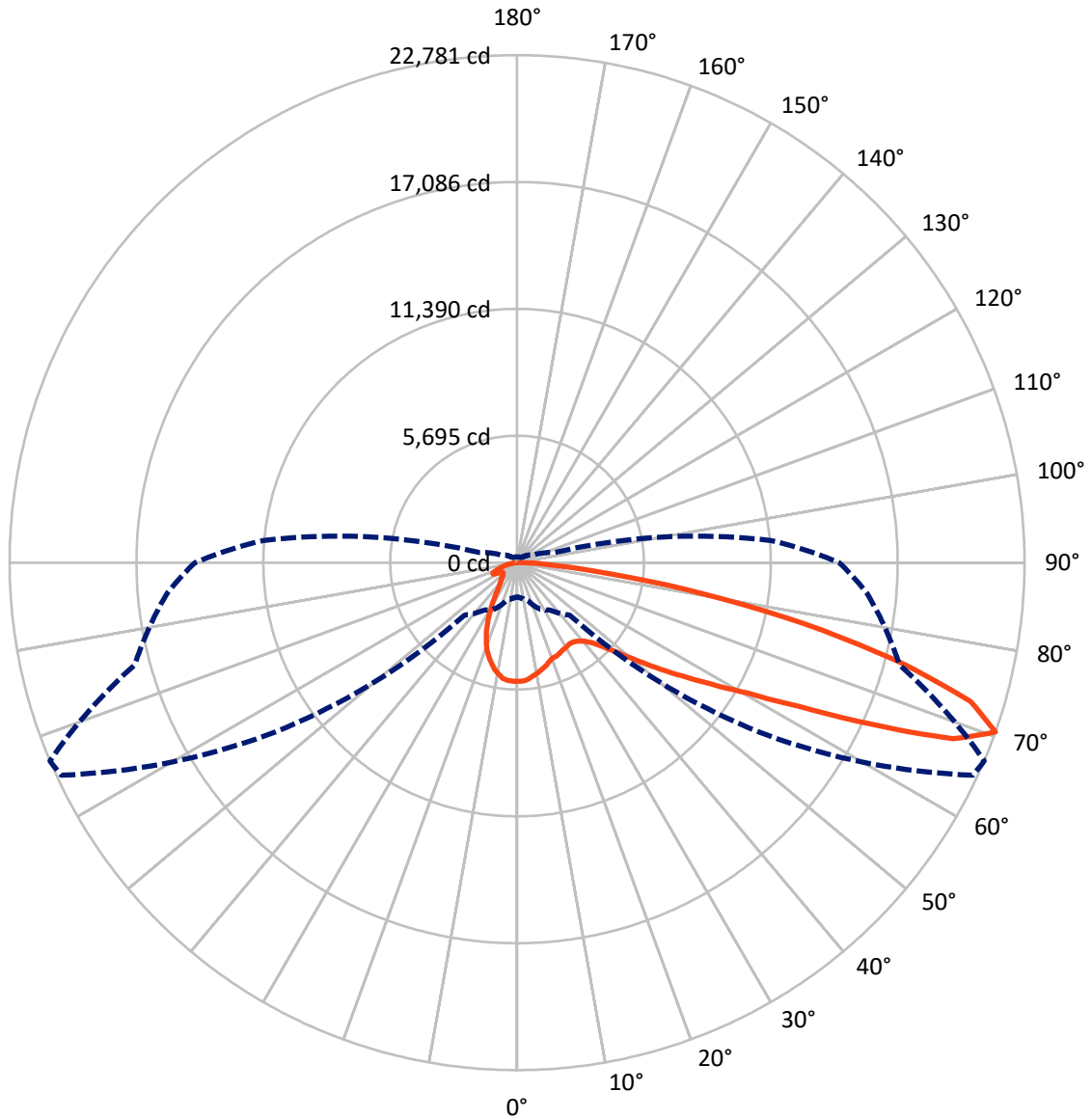
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4477.2	0.0	4477.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	18511.0	0.0	18511.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	22988.1	0.0	22988.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.3	2.0
10°-20°	1112.1	4.8
20°-30°	1501.7	6.5
30°-40°	2009.5	8.7
40°-50°	2954.9	12.9
50°-60°	4605.9	20.0
60°-70°	5673.7	24.7
70°-80°	4009.0	17.4
80°-90°	657.1	2.9
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°	22988.1	100.0
0°-180°	22988.1	100.0

Coefficient of Utilization

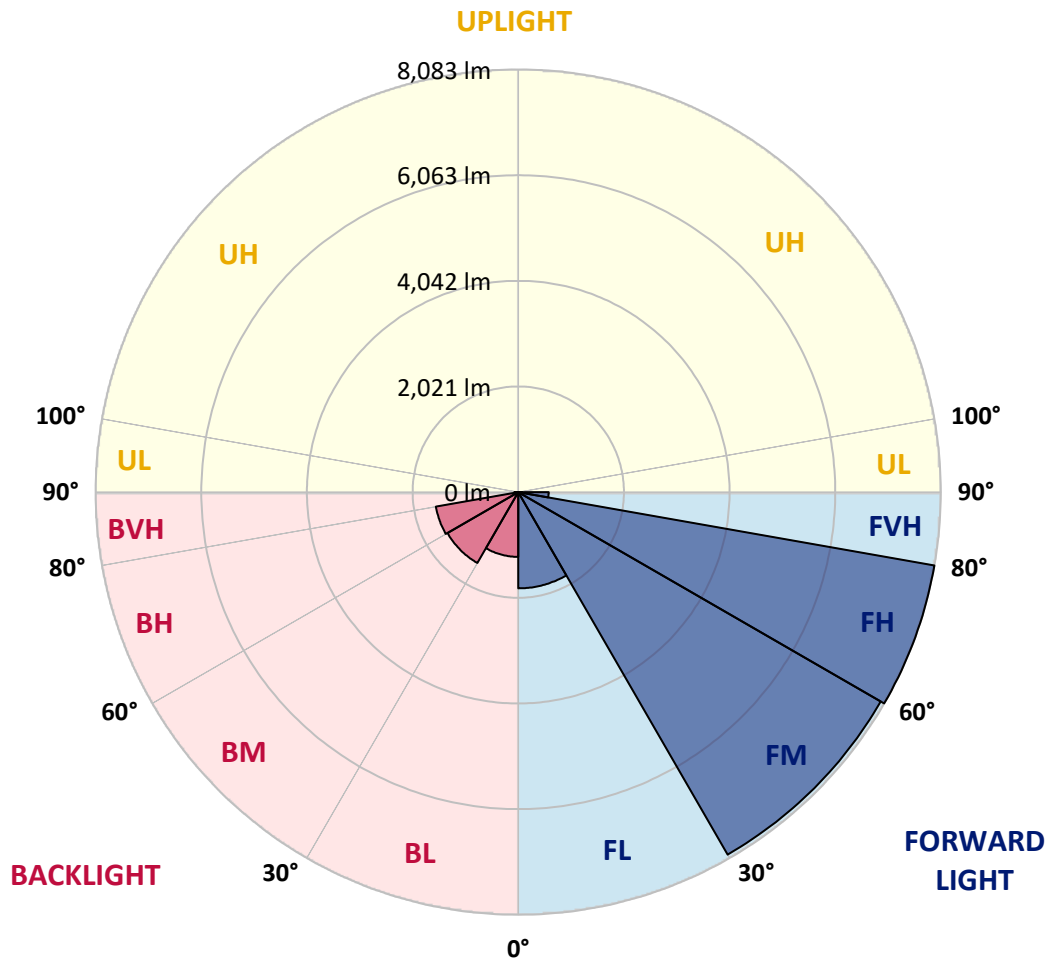


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1840.0	8.0			
FM (30°-60°)	8006.3	34.8			
FH (60°-80°)	8083.4	35.2			G4/12000
FVH (80°-90°)	581.3	2.5			G4/750
BL (0°-30°)	1238.1	5.4	B3/2500		
BM (30°-60°)	1564.0	6.8	B2/2500		
BH (60°-80°)	1599.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	75.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7
2.5°	4955.2	5011.2	5031.5	5062.1	5141.0	5199.5	5235.1	5275.9	5324.2	5364.9	5390.4
5°	4609.1	4639.6	4688.0	4721.0	4820.3	4978.1	5085.0	5258.1	5253.0	5316.6	5413.3
7.5°	4273.1	4303.7	4326.6	4392.7	4535.3	4677.8	4873.8	5153.7	5133.3	5281.0	5431.1
10°	4064.4	4041.5	4049.2	4161.1	4273.1	4433.5	4680.3	4965.4	5039.2	5268.2	5482.0
12.5°	3868.5	3843.0	3904.1	3975.4	4112.8	4257.9	4553.1	4810.1	4922.1	5222.4	5504.9
15°	3746.3	3728.5	3804.8	3835.4	3998.3	4171.3	4380.0	4693.1	4815.2	5166.4	5469.3
17.5°	3677.6	3692.9	3720.8	3787.0	3891.4	4039.0	4268.0	4614.2	4667.6	5097.7	5461.7
20°	3690.3	3708.1	3710.7	3738.7	3809.9	3924.5	4158.6	4530.2	4565.8	5085.0	5482.0
22.5°	3792.1	3766.7	3776.8	3759.0	3779.4	3868.5	4074.6	4418.2	4555.6	4978.1	5438.8
25°	3944.8	3909.2	3904.1	3843.0	3804.8	3830.3	4059.3	4390.2	4479.3	4945.0	5436.2
27.5°	4214.6	4161.1	4161.1	4069.5	3914.3	3873.6	4016.1	4344.4	4423.3	4914.5	5377.7
30°	4474.2	4474.2	4476.7	4346.9	4173.9	3972.8	4033.9	4326.6	4377.5	4822.9	5298.8
32.5°	4789.8	4782.1	4769.4	4705.8	4438.6	4138.2	4120.4	4303.7	4329.1	4792.3	5275.9
35°	5097.7	5077.4	5176.6	5120.6	4848.3	4461.5	4209.5	4313.8	4369.8	4746.5	5204.6
37.5°	5329.3	5342.0	5548.2	5583.8	5349.7	4827.9	4461.5	4415.6	4469.1	4812.7	5204.6
40°	5629.6	5680.5	5874.0	5993.6	5851.0	5311.5	4861.0	4586.2	4624.3	4960.3	5316.6
42.5°	6024.1	6067.4	6314.2	6469.5	6428.8	5927.4	5255.5	4942.5	4911.9	5207.2	5484.6
45°	6545.8	6553.5	6802.9	7016.7	7100.7	6571.3	5881.6	5392.9	5367.5	5632.2	5792.5
47.5°	7166.8	7159.2	7314.4	7543.5	7770.0	7339.9	6601.8	6077.6	5985.9	6240.4	6304.1
50°	7767.5	7734.4	7770.0	8062.7	8497.9	8301.9	7477.3	6914.9	6823.3	6963.2	7072.7
52.5°	8098.3	8139.0	8042.3	8429.2	9271.6	9439.6	8637.9	7915.1	7836.2	7904.9	8095.8
55°	7866.7	7950.7	7887.1	8253.6	9610.1	10826.6	10139.4	9073.1	8971.3	8945.8	9258.9
57.5°	6881.8	7034.5	7047.2	7627.5	9493.0	11900.6	12251.8	10439.8	10287.1	10027.5	10350.7
60°	5283.5	5436.2	5553.3	6240.4	8490.3	12542.0	14700.2	12384.2	11880.2	11208.4	11401.8
62.5°	3703.0	3807.4	3924.5	4346.9	6545.8	12165.3	16817.6	15122.6	14193.7	12452.9	12694.7
65°	2697.7	2779.2	2898.8	3148.2	4021.2	10065.6	17800.0	18375.2	17494.6	14035.9	14005.4
67.5°	2030.9	2081.8	2239.6	2639.2	2786.8	6217.5	16782.0	21811.0	21098.4	15794.5	15059.0
70°	1537.2	1580.5	1728.1	2275.3	2603.6	3334.0	13239.3	22577.1	22780.7	17766.9	15766.5
72.5°	1058.7	1107.1	1272.5	1896.1	2478.9	2644.3	8309.6	20510.5	21281.6	18578.8	15008.1
75°	649.0	682.1	778.8	1437.9	2461.1	2585.8	4573.4	16807.4	17624.4	17166.3	13129.9
77.5°	458.1	455.6	473.4	842.4	2132.7	2601.0	2819.9	12315.5	13109.5	12651.4	8910.2
80°	333.4	335.9	353.8	503.9	1448.1	2644.3	2221.8	8248.5	8485.2	6596.7	3514.7
82.5°	201.1	211.2	254.5	341.0	870.4	2387.2	2053.8	4583.6	4288.4	2117.5	967.1
85°	106.9	106.9	150.2	216.3	463.2	1781.5	1977.5	2181.1	1827.3	656.6	358.9
87.5°	25.5	25.5	43.3	86.5	185.8	852.6	1348.9	867.9	694.8	221.4	147.6
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°	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7	5321.7
2.5°	5380.2	5349.7	5387.9	5311.5	5250.4	5253.0	5158.8	5153.7	5141.0	5074.8	5097.7
5°	5441.3	5415.8	5372.6	5288.6	5153.7	5018.8	4937.4	4833.0	4789.8	4766.9	4777.0
7.5°	5499.8	5454.0	5329.3	5212.2	5003.5	4749.0	4601.4	4461.5	4283.3	4262.9	4227.3
10°	5515.1	5418.4	5258.1	5008.6	4731.2	4448.7	4112.8	3853.2	3715.8	3608.9	3568.1
12.5°	5492.2	5451.5	5143.5	4822.9	4402.9	3960.1	3568.1	3201.7	2947.2	2814.8	2779.2
15°	5489.7	5418.4	5016.3	4540.4	4003.3	3425.6	2868.3	2428.0	2160.7	2051.3	2051.3
17.5°	5492.2	5321.7	4866.1	4255.3	3532.5	2751.2	2137.8	1776.4	1628.8	1613.6	1626.3
20°	5441.3	5250.4	4708.3	3919.4	2942.1	2066.6	1552.5	1404.9	1404.9	1425.2	1432.9
22.5°	5395.5	5143.5	4458.9	3504.5	2341.4	1496.5	1262.3	1219.1	1267.4	1303.1	1318.3
25°	5331.9	5054.5	4204.4	3074.4	1781.5	1206.3	1096.9	1107.1	1152.9	1216.5	1211.4
27.5°	5240.2	4899.2	3901.5	2575.6	1326.0	1040.9	1012.9	1018.0	1066.4	1094.4	1089.3
30°	5135.9	4741.4	3621.6	2079.3	1051.1	954.4	951.8	964.6	972.2	987.5	984.9
32.5°	5003.5	4532.7	3323.8	1616.1	946.8	906.0	895.9	888.2	895.9	893.3	885.7
35°	4909.4	4420.7	3021.0	1231.8	888.2	862.8	855.1	842.4	832.2	817.0	814.4
37.5°	4883.9	4308.8	2702.8	1005.3	842.4	829.7	804.2	781.3	768.6	761.0	755.9
40°	4868.7	4234.9	2392.3	883.1	804.2	791.5	761.0	730.4	717.7	710.1	712.6
42.5°	4922.1	4194.2	2076.8	822.0	771.1	748.2	715.2	679.5	677.0	671.9	679.5
45°	5110.4	4245.1	1784.1	778.8	738.1	699.9	656.6	638.8	636.3	631.2	636.3
47.5°	5538.0	4372.4	1534.7	750.8	702.4	669.3	623.5	598.1	595.5	593.0	593.0
50°	6128.5	4764.3	1326.0	717.7	679.5	633.7	590.4	562.5	557.4	547.2	547.2
52.5°	7054.9	5423.5	1201.3	699.9	638.8	600.6	554.8	524.3	511.6	501.4	501.4
55°	8098.3	6240.4	1178.4	669.3	595.5	559.9	519.2	488.6	475.9	463.2	458.1
57.5°	9286.9	7322.1	1341.2	649.0	565.0	519.2	473.4	445.4	435.2	422.5	417.4
60°	10393.9	8401.2	1847.7	618.4	537.0	481.0	435.2	407.2	394.5	381.8	381.8
62.5°	11674.1	9737.3	2705.4	618.4	511.6	440.3	394.5	374.1	366.5	353.8	351.2
65°	13188.4	11119.3	3331.5	656.6	503.9	404.7	356.3	335.9	328.3	320.7	318.1
67.5°	14341.3	11913.3	2865.7	758.4	537.0	374.1	318.1	305.4	300.3	292.7	287.6
70°	14463.5	11429.8	1728.1	819.5	570.1	343.6	285.0	272.3	272.3	264.7	259.6
72.5°	13366.6	10142.0	1163.1	730.4	516.6	307.9	252.0	241.8	236.7	231.6	229.1
75°	11185.5	8602.2	918.8	582.8	397.0	254.5	218.9	208.7	201.1	198.5	193.4
77.5°	7513.0	5591.5	679.5	455.6	292.7	206.1	183.2	173.1	165.4	162.9	155.2
80°	2886.1	2130.2	437.7	330.9	206.1	162.9	145.1	134.9	129.8	122.2	117.1
82.5°	850.0	689.7	244.3	203.6	132.3	112.0	104.3	96.7	89.1	81.4	78.9
85°	351.2	315.6	150.2	106.9	81.4	66.2	61.1	53.4	45.8	40.7	35.6
87.5°	162.9	134.9	68.7	40.7	28.0	15.3	7.6	2.5	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)