

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: P483866

Luminaire Tested: **IFLD-S-SA6B-722-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483866
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-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

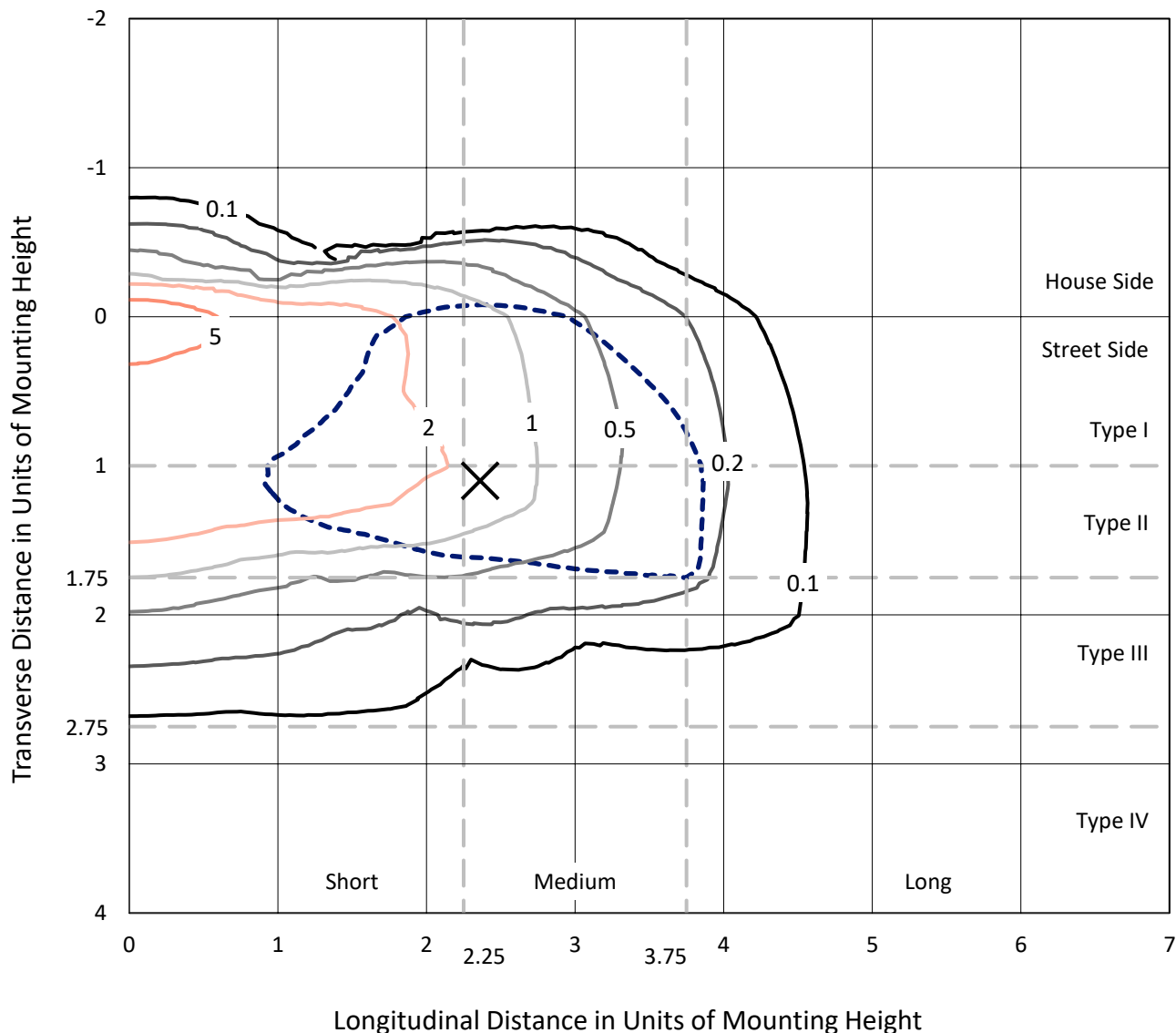
Lumens per Lamp: N/A
Luminaire Lumens: 20236.8 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

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

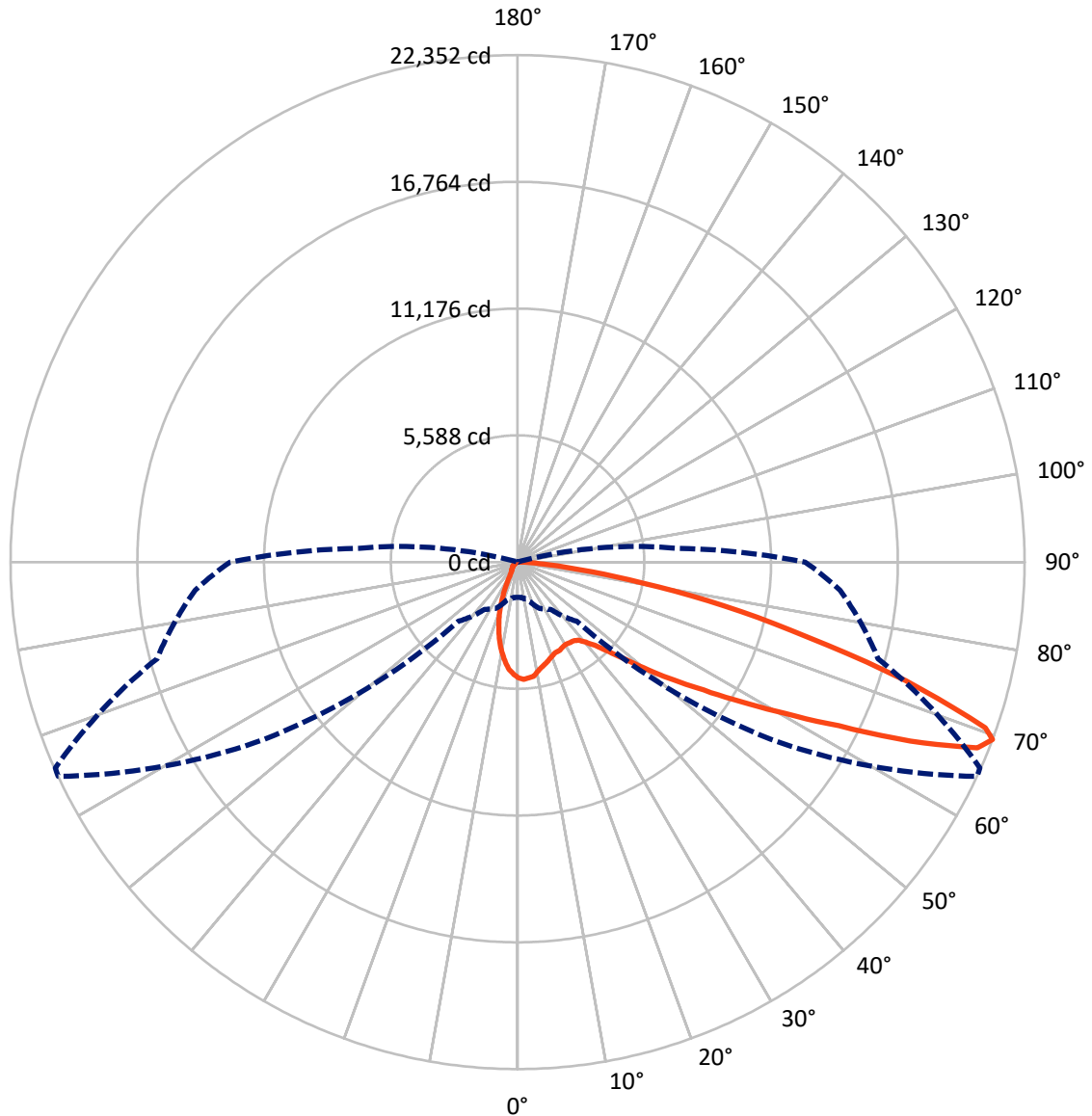
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2454.8	0.0	2454.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	17781.9	0.0	17781.9
	% Fixture	87.9	0.0	87.9
Total	Lumens	20236.8	0.0	20236.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.5	2.1
10°-20°	913.5	4.5
20°-30°	1271.8	6.3
30°-40°	1802.3	8.9
40°-50°	2840.4	14.0
50°-60°	4609.0	22.8
60°-70°	5147.3	25.4
70°-80°	2898.5	14.3
80°-90°	336.3	1.7
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°	20236.8	100.0
0°-180°	20236.8	100.0

Coefficient of Utilization



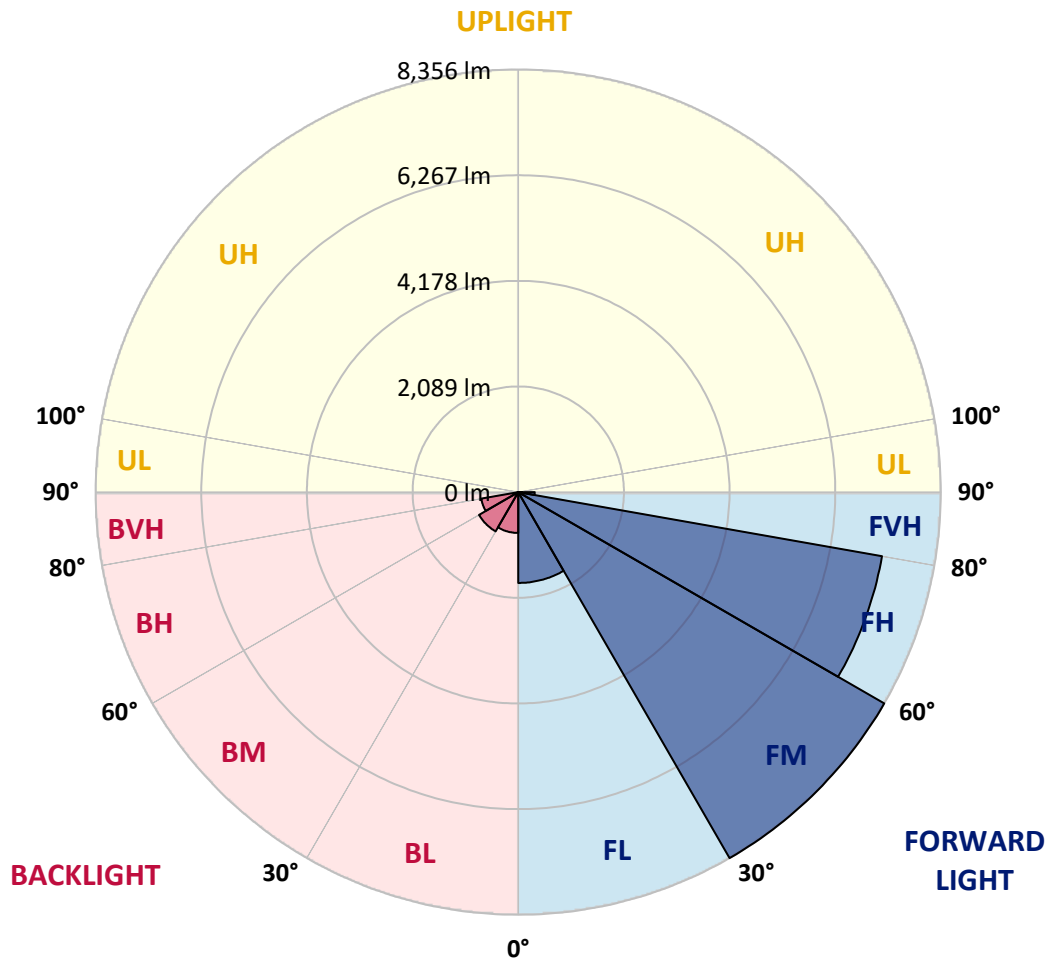
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1795.8	8.9			
FM (30°-60°)	8356.0	41.3			
FH (60°-80°)	7303.1	36.1			G3/7500
FVH (80°-90°)	327.1	1.6			G3/500
BL (0°-30°)	807.1	4.0	B2/1000		
BM (30°-60°)	895.8	4.4	B1/1000		
BH (60°-80°)	742.7	3.7	B2/1000		G2/1000
BVH (80°-90°)	9.3	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2
2.5°	4913.8	4952.0	4962.9	5001.2	5020.3	5102.2	5148.6	5175.9	5162.2	5192.2	5195.0
5°	4564.4	4542.5	4599.9	4640.8	4728.2	4870.1	5014.8	5126.7	5178.6	5227.7	5219.5
7.5°	4190.4	4179.5	4236.8	4329.6	4408.8	4580.8	4812.8	5088.5	5077.6	5197.7	5233.2
10°	3933.8	3944.7	3963.8	4056.6	4174.0	4348.7	4638.1	4894.7	4952.0	5205.9	5276.9
12.5°	3699.0	3718.1	3753.6	3849.1	3985.6	4165.8	4447.0	4747.3	4834.6	5159.5	5301.4
15°	3622.6	3578.9	3649.9	3720.8	3862.8	4023.9	4261.4	4635.4	4673.6	5104.9	5342.4
17.5°	3559.8	3532.5	3565.2	3622.6	3772.7	3903.7	4127.6	4515.2	4586.2	5083.1	5336.9
20°	3578.9	3554.3	3568.0	3611.6	3679.9	3802.7	4010.2	4400.6	4477.0	4982.0	5328.7
22.5°	3633.5	3652.6	3628.0	3638.9	3660.8	3723.6	3947.4	4318.7	4384.2	4962.9	5375.1
25°	3879.2	3846.4	3813.7	3800.0	3671.7	3699.0	3928.3	4313.2	4359.6	4894.7	5336.9
27.5°	4135.8	4108.5	4094.8	4015.7	3841.0	3759.1	3931.0	4236.8	4299.6	4867.4	5290.5
30°	4447.0	4482.5	4427.9	4332.3	4089.4	3887.4	3961.1	4198.6	4285.9	4763.7	5260.5
32.5°	4774.6	4793.7	4821.0	4750.0	4436.1	4081.2	4051.2	4234.1	4239.5	4763.7	5192.2
35°	5145.8	5118.5	5189.5	5195.0	4919.3	4425.1	4223.1	4258.6	4316.0	4741.8	5167.7
37.5°	5465.2	5511.6	5593.5	5724.6	5440.7	4911.1	4490.7	4373.3	4397.8	4842.8	5186.8
40°	5814.7	5861.1	6046.7	6177.7	6016.7	5457.0	4897.4	4640.8	4659.9	4993.0	5285.1
42.5°	6199.6	6289.7	6510.8	6740.1	6696.4	6150.4	5421.6	5033.9	5025.7	5367.0	5487.1
45°	6721.0	6841.1	7081.3	7346.1	7384.3	6944.8	6120.4	5620.8	5648.1	5855.6	5904.7
47.5°	7447.1	7441.7	7676.4	7971.3	8192.4	7769.3	6955.8	6409.8	6407.0	6628.2	6524.4
50°	8148.7	8151.4	8214.2	8555.5	9128.7	8913.1	7990.4	7458.1	7428.0	7537.2	7370.7
52.5°	8473.6	8435.4	8388.9	8801.2	9849.4	10354.5	9300.7	8645.6	8621.0	8555.5	8511.8
55°	8132.3	8146.0	8143.3	8571.8	10228.9	11875.0	10982.3	9953.2	9912.2	9707.5	9767.5
57.5°	7037.7	6994.0	7089.5	7758.3	9794.8	12912.4	13387.4	11602.0	11495.6	10815.8	10679.3
60°	5238.7	5252.3	5331.5	6120.4	8716.5	13130.8	15688.7	13537.5	13078.9	11596.6	11408.2
62.5°	3658.1	3630.8	3660.8	4103.0	6232.3	12257.2	17244.7	15890.7	15448.4	12483.8	12374.6
65°	2618.0	2582.5	2702.6	2972.8	3742.7	9371.7	17465.8	19024.6	18628.8	13900.6	13638.5
67.5°	1883.6	1878.2	2017.4	2508.8	2658.9	5397.0	15827.9	21863.7	21623.4	15582.2	14408.3
69°	1558.8	1561.5	1695.3	2246.7	2538.8	3685.3	13619.4	22352.3	22308.6	16450.3	14263.7
70°	1359.5	1370.4	1526.0	2091.1	2489.7	3030.2	11741.2	21871.9	21828.2	16619.6	13785.9
72.5°	838.1	846.3	1051.0	1676.2	2366.8	2473.3	7021.3	17894.4	18044.6	15844.3	11877.7
75°	401.3	404.0	551.4	1212.1	2282.2	2345.0	3761.8	13204.5	13521.1	12792.3	9281.6
77.5°	212.9	212.9	264.8	644.3	1848.1	2205.7	2233.0	9314.4	9576.4	8088.7	5276.9
80°	106.5	109.2	161.1	335.8	1146.6	2162.1	1744.4	5555.3	5697.3	3300.4	1643.4
82.5°	40.9	43.7	76.4	202.0	595.1	1826.3	1531.5	2732.6	2697.1	772.6	401.3
85°	5.5	5.5	27.3	120.1	253.9	805.3	1263.9	1141.1	1102.9	169.3	193.8
87.5°	0.0	0.0	5.5	35.5	76.4	234.8	488.6	313.9	349.4	46.4	95.5
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°	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2	5102.2
2.5°	5181.3	5124.0	5036.6	4952.0	4861.9	4752.7	4632.6	4588.9	4512.5	4507.0	4550.7
5°	5175.9	5083.1	4930.2	4750.0	4493.4	4299.6	4089.4	3936.5	3819.1	3742.7	3761.8
7.5°	5203.2	5091.2	4826.4	4438.8	4108.5	3723.6	3398.7	3174.9	2970.1	2869.1	2858.2
10°	5159.5	5009.3	4621.7	4078.5	3592.5	3054.7	2579.7	2279.5	1973.7	1861.8	1867.2
12.5°	5184.1	4973.9	4400.6	3707.2	3038.4	2339.5	1771.7	1362.2	1075.6	982.8	971.8
15°	5200.4	4897.4	4187.6	3262.2	2424.1	1594.3	1026.4	772.6	682.5	666.1	663.4
17.5°	5137.6	4804.6	3887.4	2822.7	1796.3	969.1	682.5	630.6	614.2	603.3	597.8
20°	5134.9	4750.0	3628.0	2372.3	1198.4	660.6	589.7	570.5	546.0	537.8	537.8
22.5°	5088.5	4635.4	3316.8	1878.2	764.4	567.8	529.6	499.6	472.3	461.4	458.6
25°	5074.9	4501.6	3024.7	1411.4	581.5	507.8	469.5	425.9	393.1	376.7	368.5
27.5°	5036.6	4386.9	2729.9	993.7	507.8	453.2	404.0	357.6	319.4	294.8	292.1
30°	4900.1	4266.8	2402.3	687.9	461.4	401.3	346.7	292.1	253.9	237.5	232.0
32.5°	4842.8	4154.9	2044.7	529.6	420.4	354.9	292.1	243.0	212.9	196.6	193.8
35°	4774.6	3991.1	1698.0	461.4	382.2	308.5	245.7	204.7	180.2	166.5	166.5
37.5°	4782.8	3860.1	1373.1	417.7	341.2	264.8	210.2	174.7	152.9	139.2	139.2
40°	4758.2	3756.3	1067.4	379.5	303.0	226.6	177.4	147.4	128.3	114.7	111.9
42.5°	4870.1	3729.0	805.3	346.7	264.8	193.8	152.9	125.6	106.5	90.1	90.1
45°	5058.5	3772.7	627.9	316.7	226.6	166.5	131.0	103.7	84.6	73.7	71.0
47.5°	5560.8	3944.7	491.4	292.1	193.8	144.7	109.2	84.6	68.2	57.3	54.6
50°	6289.7	4329.6	417.7	256.6	163.8	122.8	90.1	65.5	54.6	43.7	40.9
52.5°	7327.0	4976.6	379.5	226.6	136.5	101.0	71.0	51.9	40.9	32.8	30.0
55°	8457.2	5784.6	344.0	191.1	114.7	81.9	57.3	40.9	30.0	21.8	19.1
57.5°	9338.9	6483.5	313.9	158.3	92.8	65.5	43.7	30.0	21.8	13.6	10.9
60°	10302.6	6974.9	275.7	125.6	76.4	49.1	32.8	21.8	16.4	8.2	8.2
62.5°	11296.3	7550.9	226.6	98.3	60.1	38.2	24.6	16.4	10.9	2.7	2.7
65°	12677.6	8001.3	174.7	76.4	46.4	27.3	19.1	13.6	5.5	0.0	0.0
67.5°	13068.0	7780.2	128.3	60.1	32.8	19.1	13.6	8.2	2.7	0.0	0.0
69°	12677.6	7007.6	111.9	51.9	27.3	16.4	10.9	5.5	2.7	0.0	0.0
70°	11965.1	6407.0	98.3	43.7	24.6	16.4	8.2	5.5	2.7	0.0	0.0
72.5°	10007.8	4913.8	76.4	32.8	19.1	13.6	8.2	5.5	0.0	0.0	0.0
75°	7340.7	3035.6	57.3	24.6	16.4	10.9	8.2	5.5	0.0	0.0	0.0
77.5°	3933.8	1108.3	40.9	16.4	10.9	8.2	8.2	5.5	0.0	0.0	0.0
80°	1078.3	327.6	30.0	10.9	8.2	5.5	5.5	2.7	0.0	0.0	0.0
82.5°	294.8	84.6	19.1	10.9	8.2	5.5	2.7	0.0	0.0	0.0	0.0
85°	158.3	32.8	10.9	8.2	5.5	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	81.9	10.9	8.2	5.5	5.5	2.7	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)