

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: P484255

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

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484255
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-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

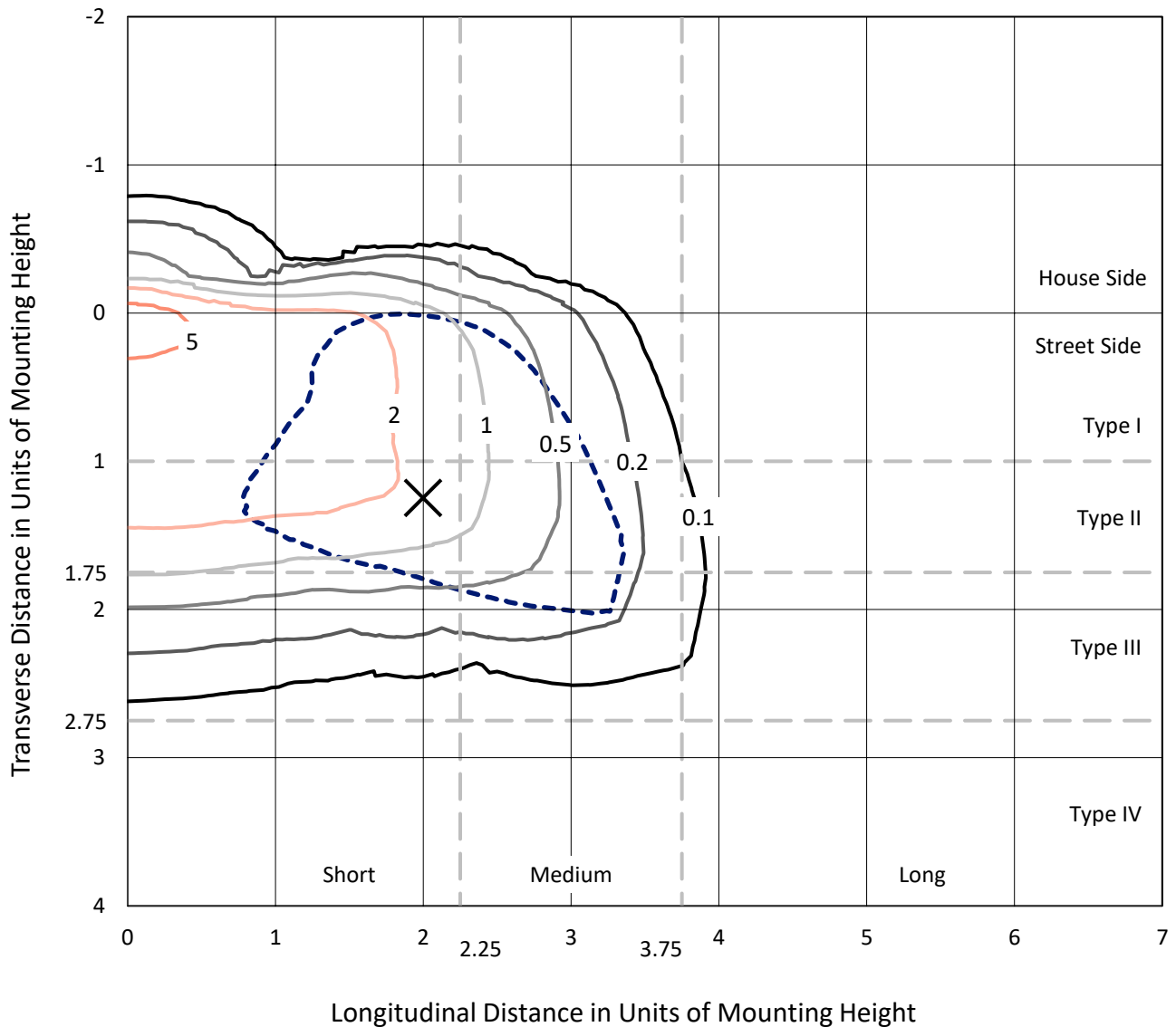
Lumens per Lamp: N/A
Luminaire Lumens: 16626.2 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

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

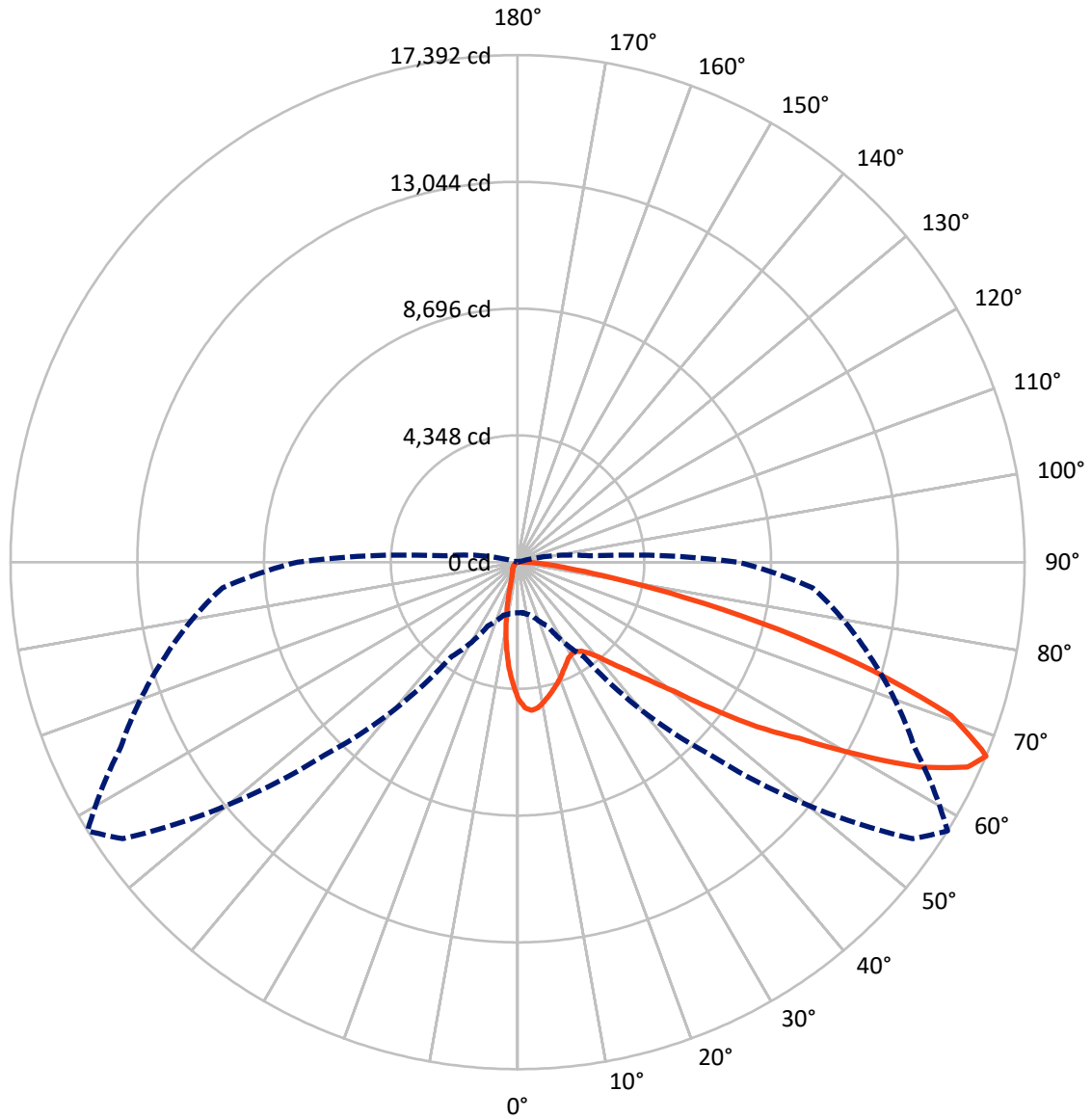
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	1374.3	0.0	1374.3
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	15251.9	0.0	15251.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	16626.2	0.0	16626.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.8	2.2
10°-20°	775.2	4.7
20°-30°	1028.6	6.2
30°-40°	1425.3	8.6
40°-50°	2325.6	14.0
50°-60°	4087.7	24.6
60°-70°	4527.4	27.2
70°-80°	1876.2	11.3
80°-90°	206.5	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°	16626.2	100.0
0°-180°	16626.2	100.0

Coefficient of Utilization



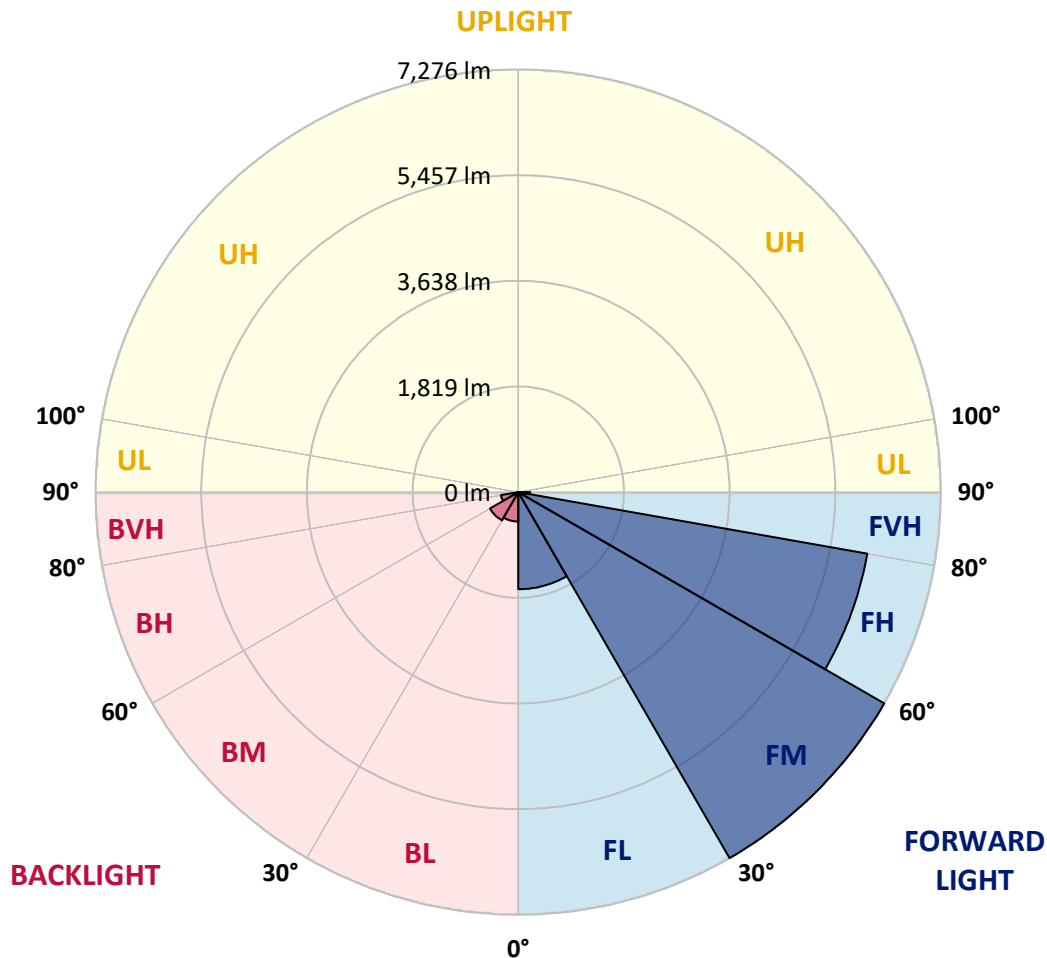
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1671.4	10.1			
FM (30°-60°)	7276.0	43.8			
FH (60°-80°)	6101.4	36.7			G3/7500
FVH (80°-90°)	203.1	1.2			G2/225
BL (0°-30°)	506.2	3.0	B2/1000		
BM (30°-60°)	562.6	3.4	B1/1000		
BH (60°-80°)	302.1	1.8	B1/500		G1/500
BVH (80°-90°)	3.4	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4
2.5°	5125.4	5143.1	5158.5	5129.8	5154.1	5118.8	5028.3	5008.4	4993.0	4858.3	4781.1
5°	5123.2	5103.3	5118.8	5132.0	5098.9	5125.4	5103.3	5105.5	5045.9	4924.5	4708.2
7.5°	4781.1	4772.2	4781.1	4845.1	4917.9	4975.3	5008.4	5041.5	5001.8	4820.8	4611.1
10°	4319.7	4363.9	4388.2	4502.9	4615.5	4721.5	4825.2	4887.0	4876.0	4803.1	4505.2
12.5°	3997.5	3984.2	4072.5	4147.6	4260.1	4474.2	4655.2	4712.6	4778.9	4677.3	4366.1
15°	3699.5	3664.2	3717.1	3847.4	4039.4	4209.4	4463.2	4549.3	4633.2	4659.7	4291.0
17.5°	3414.7	3432.4	3487.6	3604.6	3785.6	4024.0	4262.3	4386.0	4586.8	4551.5	4178.5
20°	3277.9	3315.4	3335.3	3394.9	3520.7	3759.1	4114.5	4213.8	4427.9	4549.3	4068.1
22.5°	3284.5	3284.5	3238.1	3273.5	3388.2	3573.7	3913.6	4024.0	4363.9	4434.5	3968.8
25°	3355.1	3311.0	3313.2	3271.3	3319.8	3421.4	3732.6	3867.2	4233.6	4445.6	3915.8
27.5°	3408.1	3399.3	3386.0	3375.0	3313.2	3328.6	3613.4	3723.8	4182.9	4432.3	3834.1
30°	3600.1	3560.4	3547.2	3522.9	3441.2	3366.2	3518.5	3657.5	4143.1	4463.2	3787.8
32.5°	3761.3	3767.9	3778.9	3708.3	3637.7	3452.3	3545.0	3655.3	4114.5	4533.8	3834.1
35°	3964.4	3993.1	3997.5	3975.4	3900.3	3717.1	3655.3	3750.2	4163.0	4659.7	3838.5
37.5°	4273.4	4242.5	4326.4	4335.2	4282.2	4039.4	3911.4	3948.9	4306.5	4860.5	4006.3
40°	4474.2	4511.8	4668.5	4765.6	4675.1	4454.4	4282.2	4275.6	4514.0	5176.2	4213.8
42.5°	4697.2	4781.1	4953.2	5162.9	5151.9	4946.6	4772.2	4743.5	4882.6	5633.1	4542.7
45°	5001.8	5076.8	5317.4	5633.1	5805.3	5630.9	5368.2	5310.8	5330.7	6255.6	5103.3
47.5°	5507.3	5487.4	5834.0	6145.2	6427.7	6293.1	6180.5	6012.8	5997.3	6988.4	5878.1
50°	6079.0	6074.6	6383.6	6736.8	7063.4	7326.1	7138.5	6955.3	6959.7	7983.9	6789.7
52.5°	6622.0	6708.1	7041.4	7392.3	7953.0	8235.5	8416.5	8343.7	7992.7	8873.4	7765.4
55°	6908.9	6984.0	7315.1	7919.9	8805.0	9531.2	10021.3	9959.5	9281.8	9875.6	8727.8
57.5°	6637.4	6688.2	7136.3	7928.7	9401.0	11021.2	11491.3	11414.1	10615.0	10641.5	9891.0
60°	5500.7	5580.1	6246.7	7176.0	9169.2	12169.0	13515.5	13398.5	11829.1	11610.5	10639.3
62.5°	3809.8	3862.8	4410.2	5566.9	8070.0	12568.5	15427.0	15491.0	13109.3	12365.4	10862.2
65°	2467.8	2463.4	2776.8	3560.4	5719.2	11358.9	16557.1	16954.5	14345.4	12480.2	10793.8
67°	1743.8	1737.2	1885.1	2414.8	3959.9	9359.1	16537.3	17391.5	15016.4	12513.3	10160.3
67.5°	1609.1	1602.5	1743.8	2220.6	3573.7	8703.5	16290.1	17166.4	15252.6	12467.0	9882.2
70°	1249.3	1231.7	1284.7	1529.7	2081.5	5628.7	13941.5	15769.1	14762.6	11310.3	7891.2
72.5°	902.8	922.7	1006.5	1256.0	1633.4	3028.5	10626.1	12751.7	12330.1	8524.7	5015.0
75°	629.1	646.7	781.4	1024.2	1498.8	1836.5	7184.8	9248.7	8588.7	4706.0	2136.7
77.5°	328.9	351.0	498.9	818.9	1361.9	1421.5	4293.2	5864.9	4551.5	1675.4	589.4
80°	152.3	163.3	249.4	580.5	1139.0	1249.3	2503.1	3262.4	1821.0	375.2	203.1
82.5°	66.2	72.8	114.8	333.3	807.9	1092.6	1549.5	1710.7	660.0	121.4	125.8
85°	13.2	15.5	44.1	176.6	390.7	662.2	1088.2	1015.4	331.1	59.6	99.3
87.5°	0.0	0.0	11.0	50.8	106.0	196.5	461.3	461.3	101.5	30.9	37.5
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°	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4	4710.4
2.5°	4712.6	4633.2	4458.8	4297.7	4182.9	4052.6	3880.5	3803.2	3774.5	3734.8	3675.2
5°	4589.0	4491.9	4193.9	3893.7	3564.8	3315.4	3050.5	2896.0	2779.0	2706.2	2681.9
7.5°	4414.7	4216.0	3814.3	3333.1	2907.0	2536.2	2134.5	1863.0	1688.6	1618.0	1551.7
10°	4275.6	4017.3	3405.9	2807.7	2240.4	1697.4	1244.9	1006.5	825.5	757.1	748.3
12.5°	4094.6	3785.6	3024.0	2271.3	1558.4	1011.0	688.7	598.2	547.4	538.6	532.0
15°	3944.5	3575.9	2662.0	1759.2	1008.7	631.3	536.4	514.3	501.1	496.6	498.9
17.5°	3843.0	3350.7	2291.2	1280.2	664.4	516.5	494.4	481.2	474.6	472.4	465.7
20°	3642.1	3160.9	1924.8	896.2	518.7	476.8	459.1	448.1	441.5	439.3	437.1
22.5°	3527.3	2920.3	1558.4	624.7	461.3	432.6	419.4	410.6	399.5	392.9	390.7
25°	3412.5	2743.7	1231.7	485.6	419.4	399.5	379.7	368.6	351.0	342.1	339.9
27.5°	3277.9	2569.3	949.1	421.6	377.5	357.6	337.7	320.1	298.0	289.2	284.7
30°	3200.6	2399.4	715.2	377.5	346.6	320.1	295.8	273.7	249.4	234.0	229.6
32.5°	3160.9	2244.8	536.4	344.3	313.4	284.7	253.8	227.4	205.3	192.0	189.8
35°	3112.3	2094.8	421.6	313.4	282.5	251.6	220.7	194.2	172.2	161.1	156.7
37.5°	3163.1	2006.5	351.0	289.2	258.3	222.9	189.8	163.3	145.7	134.6	132.4
40°	3302.2	1933.6	304.6	267.1	234.0	196.5	165.5	139.1	123.6	114.8	110.4
42.5°	3516.3	1933.6	275.9	245.0	211.9	172.2	141.3	121.4	106.0	97.1	94.9
45°	3904.8	1993.2	251.6	222.9	185.4	147.9	121.4	101.5	86.1	77.3	75.0
47.5°	4450.0	2130.1	231.8	203.1	165.5	130.2	106.0	86.1	70.6	61.8	59.6
50°	5182.8	2441.3	211.9	178.8	147.9	112.6	88.3	68.4	55.2	46.4	44.1
52.5°	6096.6	2882.8	192.0	165.5	125.8	94.9	70.6	55.2	41.9	35.3	33.1
55°	7063.4	3423.6	167.8	147.9	108.2	79.5	57.4	41.9	30.9	26.5	24.3
57.5°	8036.9	3840.7	147.9	128.0	88.3	64.0	46.4	33.1	22.1	17.7	15.5
60°	8553.4	3880.5	128.0	106.0	70.6	50.8	35.3	24.3	15.5	11.0	8.8
62.5°	8632.8	3527.3	110.4	86.1	57.4	39.7	24.3	17.7	8.8	4.4	4.4
65°	8224.5	2940.2	94.9	68.4	44.1	28.7	17.7	11.0	4.4	2.2	0.0
67°	7562.3	2463.4	81.7	57.4	35.3	22.1	13.2	6.6	2.2	0.0	0.0
67.5°	7306.2	2330.9	77.3	53.0	33.1	19.9	11.0	6.6	2.2	0.0	0.0
70°	5670.6	1664.3	57.4	37.5	24.3	15.5	8.8	4.4	0.0	0.0	0.0
72.5°	3474.3	973.4	44.1	26.5	17.7	11.0	6.6	2.2	0.0	0.0	0.0
75°	1456.8	335.5	37.5	19.9	13.2	6.6	4.4	2.2	0.0	0.0	0.0
77.5°	379.7	125.8	26.5	13.2	8.8	6.6	4.4	2.2	0.0	0.0	0.0
80°	154.5	57.4	17.7	8.8	8.8	6.6	4.4	2.2	0.0	0.0	0.0
82.5°	101.5	26.5	11.0	8.8	6.6	4.4	2.2	0.0	0.0	0.0	0.0
85°	77.3	15.5	6.6	6.6	4.4	2.2	0.0	0.0	0.0	0.0	0.0
87.5°	33.1	8.8	6.6	4.4	4.4	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)