

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: P484411

Luminaire Tested: **IFLD-S-SA6A-740-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484411  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-740-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

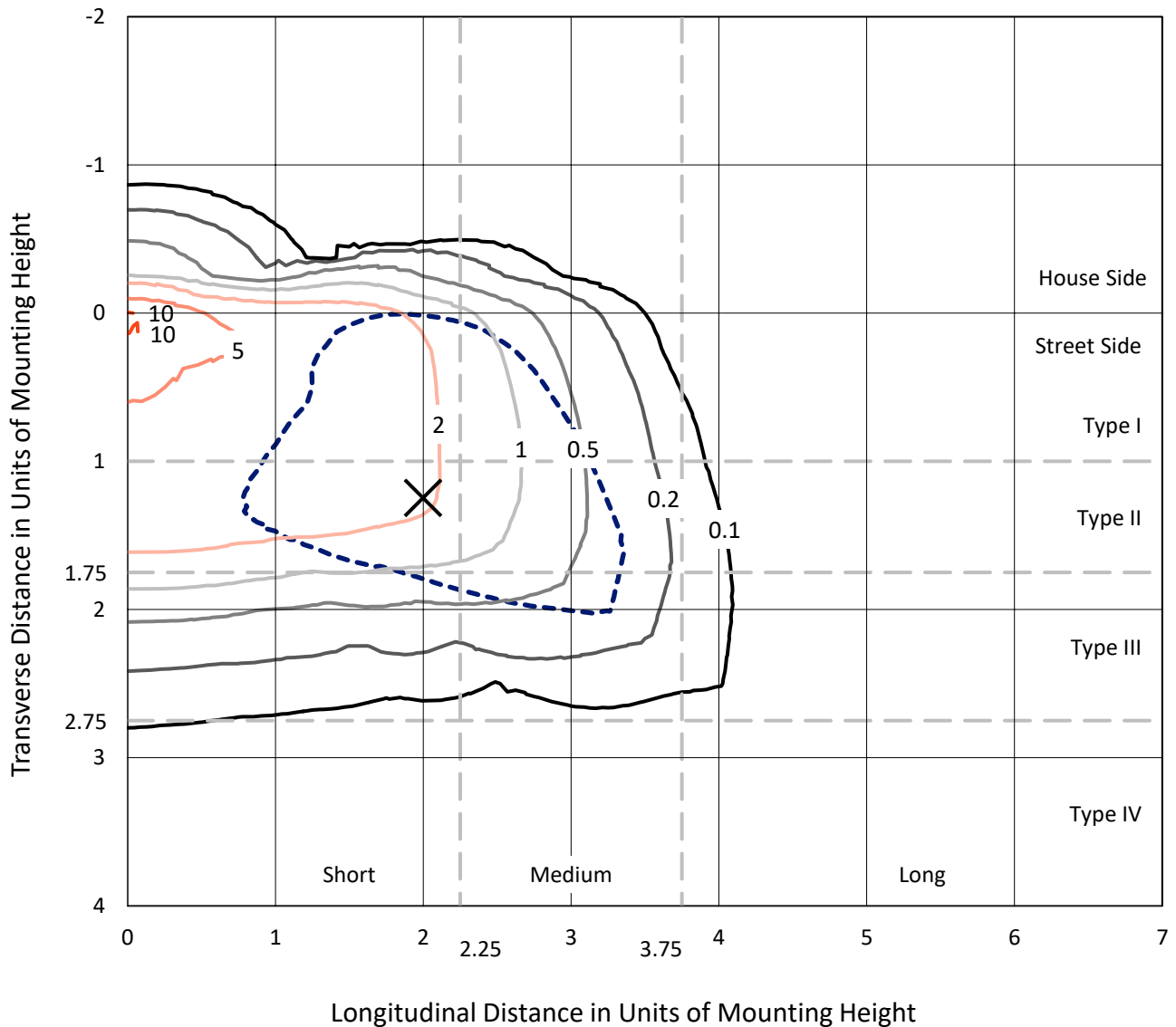
Lumens per Lamp: N/A  
Luminaire Lumens: 22571.6 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

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

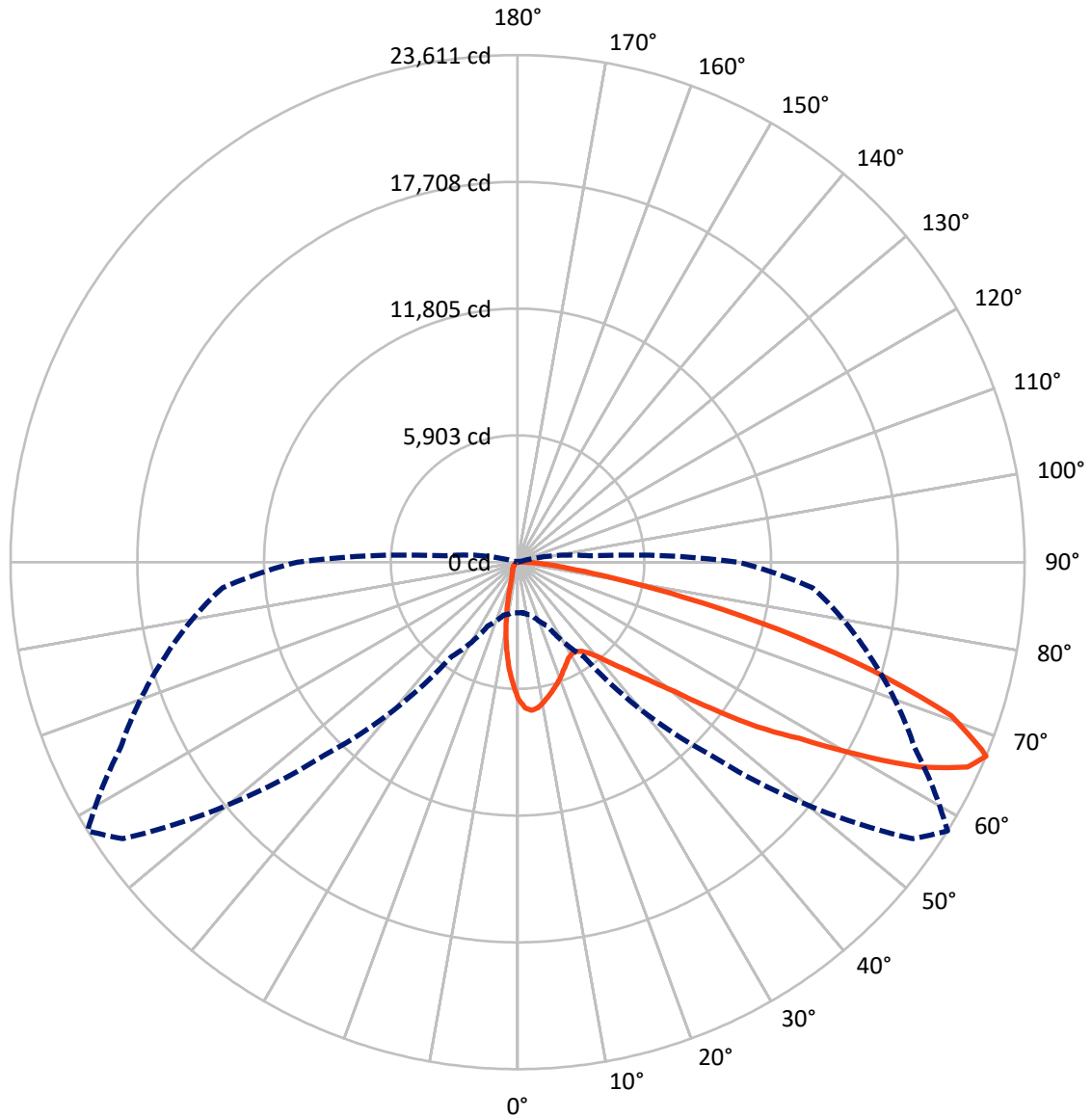
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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
<b>House Side</b>	Lumens	1865.7	0.0	1865.7
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	20705.9	0.0	20705.9
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	22571.6	0.0	22571.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	507.4	2.2
10°-20°	1052.4	4.7
20°-30°	1396.4	6.2
30°-40°	1934.9	8.6
40°-50°	3157.2	14.0
50°-60°	5549.4	24.6
60°-70°	6146.4	27.2
70°-80°	2547.1	11.3
80°-90°	280.4	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°	22571.6	100.0
0°-180°	22571.6	100.0

**Coefficient of Utilization**



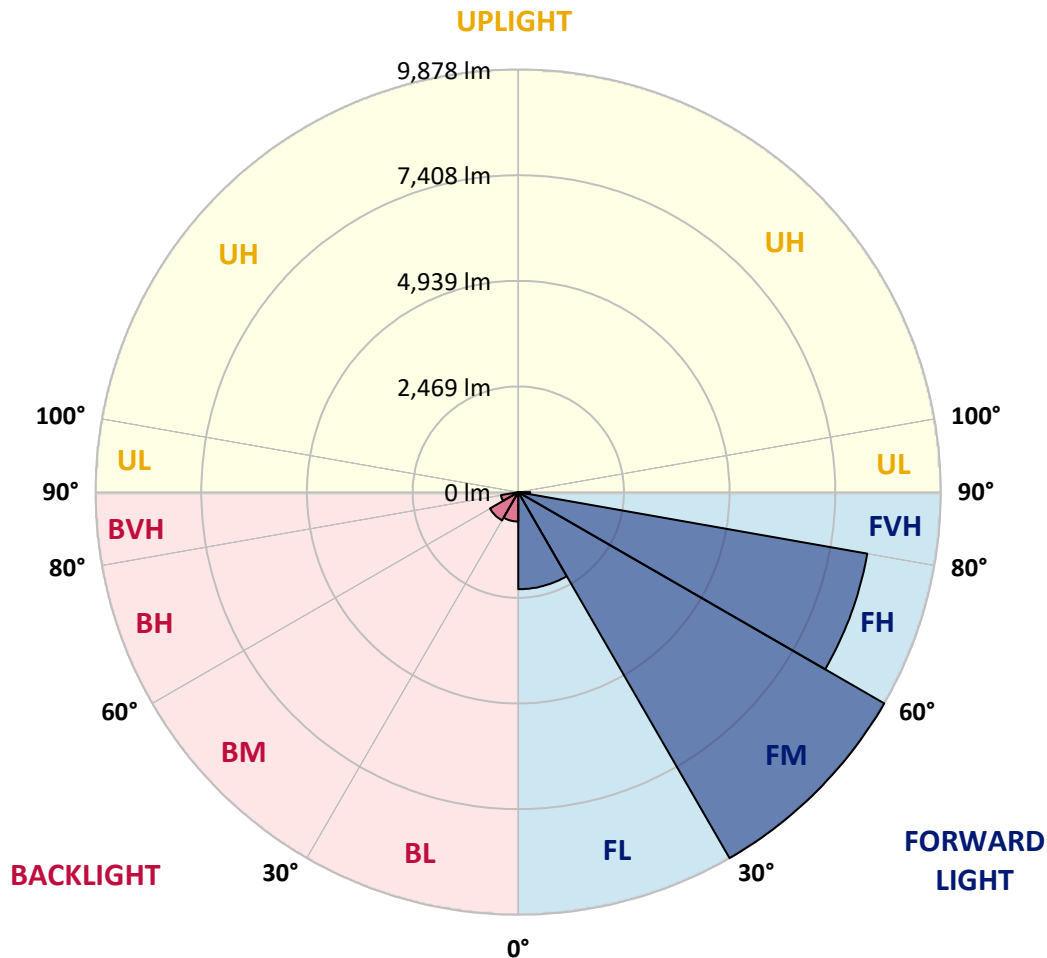
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2269.1	10.1			
FM (30°-60°)	9877.8	43.8			
FH (60°-80°)	8283.3	36.7			G4/12000
FVH (80°-90°)	275.8	1.2			G3/500
BL (0°-30°)	687.1	3.0	B2/1000		
BM (30°-60°)	763.7	3.4	B1/1000		
BH (60°-80°)	410.2	1.8	B1/500		G1/500
BVH (80°-90°)	4.6	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8
2.5°	6958.2	6982.2	7003.1	6964.2	6997.2	6949.2	6826.3	6799.4	6778.4	6595.6	6490.7
5°	6955.2	6928.2	6949.2	6967.2	6922.2	6958.2	6928.2	6931.2	6850.3	6685.5	6391.8
7.5°	6490.7	6478.7	6490.7	6577.6	6676.5	6754.4	6799.4	6844.3	6790.4	6544.7	6260.0
10°	5864.4	5924.4	5957.3	6113.1	6266.0	6409.8	6550.7	6634.6	6619.6	6520.7	6116.1
12.5°	5426.9	5408.9	5528.8	5630.7	5783.5	6074.2	6319.9	6397.8	6487.7	6349.9	5927.4
15°	5022.4	4974.4	5046.3	5223.1	5483.9	5714.6	6059.2	6176.1	6289.9	6325.9	5825.5
17.5°	4635.8	4659.8	4734.7	4893.5	5139.2	5462.9	5786.5	5954.3	6227.0	6179.1	5672.6
20°	4450.0	4501.0	4527.9	4608.8	4779.6	5103.3	5585.7	5720.6	6011.3	6176.1	5522.8
22.5°	4459.0	4459.0	4396.1	4444.0	4599.8	4851.6	5313.0	5462.9	5924.4	6020.3	5388.0
25°	4554.9	4495.0	4498.0	4441.0	4506.9	4644.8	5067.3	5250.1	5747.6	6035.2	5316.0
27.5°	4626.8	4614.8	4596.8	4581.9	4498.0	4518.9	4905.5	5055.3	5678.6	6017.3	5205.2
30°	4887.5	4833.6	4815.6	4782.6	4671.8	4569.9	4776.6	4965.4	5624.7	6059.2	5142.2
32.5°	5106.3	5115.3	5130.2	5034.4	4938.5	4686.7	4812.6	4962.4	5585.7	6155.1	5205.2
35°	5382.0	5420.9	5426.9	5396.9	5295.1	5046.3	4962.4	5091.3	5651.7	6325.9	5211.2
37.5°	5801.5	5759.5	5873.4	5885.4	5813.5	5483.9	5310.0	5361.0	5846.4	6598.6	5438.9
40°	6074.2	6125.1	6337.9	6469.7	6346.9	6047.2	5813.5	5804.5	6128.1	7027.1	5720.6
42.5°	6376.9	6490.7	6724.5	7009.1	6994.2	6715.5	6478.7	6439.8	6628.6	7647.4	6167.1
45°	6790.4	6892.3	7218.9	7647.4	7881.2	7644.4	7287.8	7209.9	7236.9	8492.5	6928.2
47.5°	7476.6	7449.6	7920.1	8342.6	8726.2	8543.4	8390.6	8162.8	8141.9	9487.4	7980.1
50°	8252.7	8246.8	8666.3	9145.7	9589.2	9945.8	9691.1	9442.4	9448.4	10838.8	9217.7
52.5°	8989.9	9106.8	9559.3	10035.7	10796.9	11180.5	11426.2	11327.3	10850.8	12046.5	10542.2
55°	9379.5	9481.4	9930.9	10751.9	11953.6	12939.5	13604.7	13520.8	12600.9	13407.0	11848.7
57.5°	9010.9	9079.8	9688.1	10763.9	12762.7	14962.2	15600.5	15495.6	14410.8	14446.8	13427.9
60°	7467.6	7575.5	8480.5	9742.1	12448.0	16520.5	18348.4	18189.6	16059.0	15762.3	14443.8
62.5°	5172.2	5244.1	5987.3	7557.5	10955.7	17062.9	20943.5	21030.4	17797.0	16787.2	14746.5
65°	3350.2	3344.3	3769.8	4833.6	7764.3	15420.7	22477.8	23017.2	19475.2	16943.0	14653.6
67°	2367.3	2358.4	2559.1	3278.3	5376.0	12705.8	22450.8	23610.5	20386.1	16988.0	13793.5
67.5°	2184.6	2175.6	2367.3	3014.6	4851.6	11815.8	22115.2	23304.9	20706.8	16925.0	13416.0
70°	1696.1	1672.1	1744.0	2076.7	2825.8	7641.4	18926.8	21408.0	20041.5	15354.8	10713.0
72.5°	1225.6	1252.6	1366.5	1705.1	2217.5	4111.4	14425.8	17311.6	16739.2	11573.0	6808.4
75°	854.0	878.0	1060.8	1390.4	2034.7	2493.2	9754.1	12555.9	11659.9	6388.8	2900.7
77.5°	446.5	476.5	677.2	1111.8	1848.9	1929.8	5828.5	7962.1	6179.1	2274.5	800.1
80°	206.8	221.8	338.6	788.1	1546.3	1696.1	3398.2	4429.0	2472.2	509.4	275.7
82.5°	89.9	98.9	155.8	452.5	1096.8	1483.3	2103.6	2322.4	896.0	164.8	170.8
85°	18.0	21.0	59.9	239.7	530.4	899.0	1477.3	1378.5	449.5	80.9	134.8
87.5°	0.0	0.0	15.0	68.9	143.8	266.7	626.3	626.3	137.8	42.0	50.9
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°	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8	6394.8
2.5°	6397.8	6289.9	6053.2	5834.5	5678.6	5501.8	5268.1	5163.2	5124.3	5070.3	4989.4
5°	6230.0	6098.2	5693.6	5286.1	4839.6	4501.0	4141.4	3931.6	3772.8	3673.9	3640.9
7.5°	5993.3	5723.6	5178.2	4524.9	3946.6	3443.1	2897.8	2529.2	2292.4	2196.5	2106.6
10°	5804.5	5453.9	4623.8	3811.7	3041.6	2304.4	1690.1	1366.5	1120.7	1027.8	1015.9
12.5°	5558.8	5139.2	4105.4	3083.5	2115.6	1372.5	935.0	812.1	743.2	731.2	722.2
15°	5355.0	4854.6	3613.9	2388.3	1369.5	857.0	728.2	698.2	680.2	674.2	677.2
17.5°	5217.2	4548.9	3110.5	1738.1	902.0	701.2	671.2	653.3	644.3	641.3	632.3
20°	4944.5	4291.2	2613.1	1216.6	704.2	647.3	623.3	608.3	599.3	596.3	593.3
22.5°	4788.6	3964.6	2115.6	848.0	626.3	587.3	569.4	557.4	542.4	533.4	530.4
25°	4632.8	3724.8	1672.1	659.3	569.4	542.4	515.4	500.4	476.5	464.5	461.5
27.5°	4450.0	3488.1	1288.6	572.4	512.4	485.5	458.5	434.5	404.5	392.6	386.6
30°	4345.1	3257.3	970.9	512.4	470.5	434.5	401.5	371.6	338.6	317.6	311.7
32.5°	4291.2	3047.6	728.2	467.5	425.5	386.6	344.6	308.7	278.7	260.7	257.7
35°	4225.3	2843.8	572.4	425.5	383.6	341.6	299.7	263.7	233.7	218.8	212.8
37.5°	4294.2	2723.9	476.5	392.6	350.6	302.7	257.7	221.8	197.8	182.8	179.8
40°	4483.0	2625.1	413.5	362.6	317.6	266.7	224.7	188.8	167.8	155.8	149.8
42.5°	4773.6	2625.1	374.6	332.6	287.7	233.7	191.8	164.8	143.8	131.9	128.9
45°	5301.1	2706.0	341.6	302.7	251.7	200.8	164.8	137.8	116.9	104.9	101.9
47.5°	6041.2	2891.8	314.6	275.7	224.7	176.8	143.8	116.9	95.9	83.9	80.9
50°	7036.1	3314.3	287.7	242.7	200.8	152.8	119.9	92.9	74.9	62.9	59.9
52.5°	8276.7	3913.6	260.7	224.7	170.8	128.9	95.9	74.9	56.9	47.9	44.9
55°	9589.2	4647.8	227.7	200.8	146.8	107.9	77.9	56.9	42.0	36.0	33.0
57.5°	10910.8	5214.2	200.8	173.8	119.9	86.9	62.9	44.9	30.0	24.0	21.0
60°	11612.0	5268.1	173.8	143.8	95.9	68.9	47.9	33.0	21.0	15.0	12.0
62.5°	11719.9	4788.6	149.8	116.9	77.9	53.9	33.0	24.0	12.0	6.0	6.0
65°	11165.5	3991.5	128.9	92.9	59.9	39.0	24.0	15.0	6.0	3.0	0.0
67°	10266.5	3344.3	110.9	77.9	47.9	30.0	18.0	9.0	3.0	0.0	0.0
67.5°	9918.9	3164.5	104.9	71.9	44.9	27.0	15.0	9.0	3.0	0.0	0.0
70°	7698.4	2259.5	77.9	50.9	33.0	21.0	12.0	6.0	0.0	0.0	0.0
72.5°	4716.7	1321.5	59.9	36.0	24.0	15.0	9.0	3.0	0.0	0.0	0.0
75°	1977.8	455.5	50.9	27.0	18.0	9.0	6.0	3.0	0.0	0.0	0.0
77.5°	515.4	170.8	36.0	18.0	12.0	9.0	6.0	3.0	0.0	0.0	0.0
80°	209.8	77.9	24.0	12.0	12.0	9.0	6.0	3.0	0.0	0.0	0.0
82.5°	137.8	36.0	15.0	12.0	9.0	6.0	3.0	0.0	0.0	0.0	0.0
85°	104.9	21.0	9.0	9.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0
87.5°	44.9	12.0	9.0	6.0	6.0	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)