

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: P484359

Luminaire Tested: **IFLD-S-SA3C-735-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484359  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-735-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (48) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

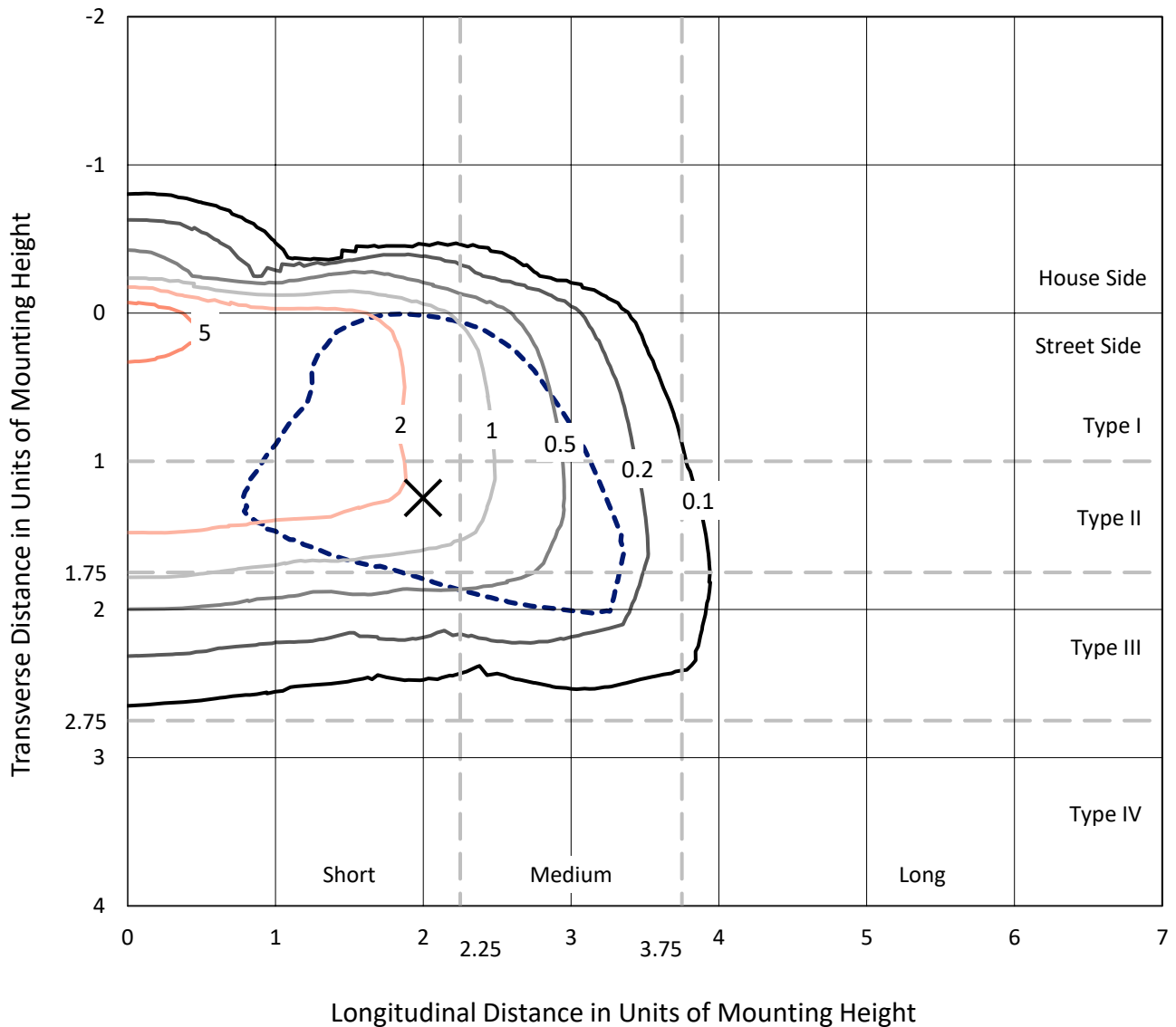
Lumens per Lamp: N/A  
Luminaire Lumens: 17471.7 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 160.8  
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

REPORT NUMBER: P484359  
 CATALOG NUMBER: IFLD-S-SA3C-735-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

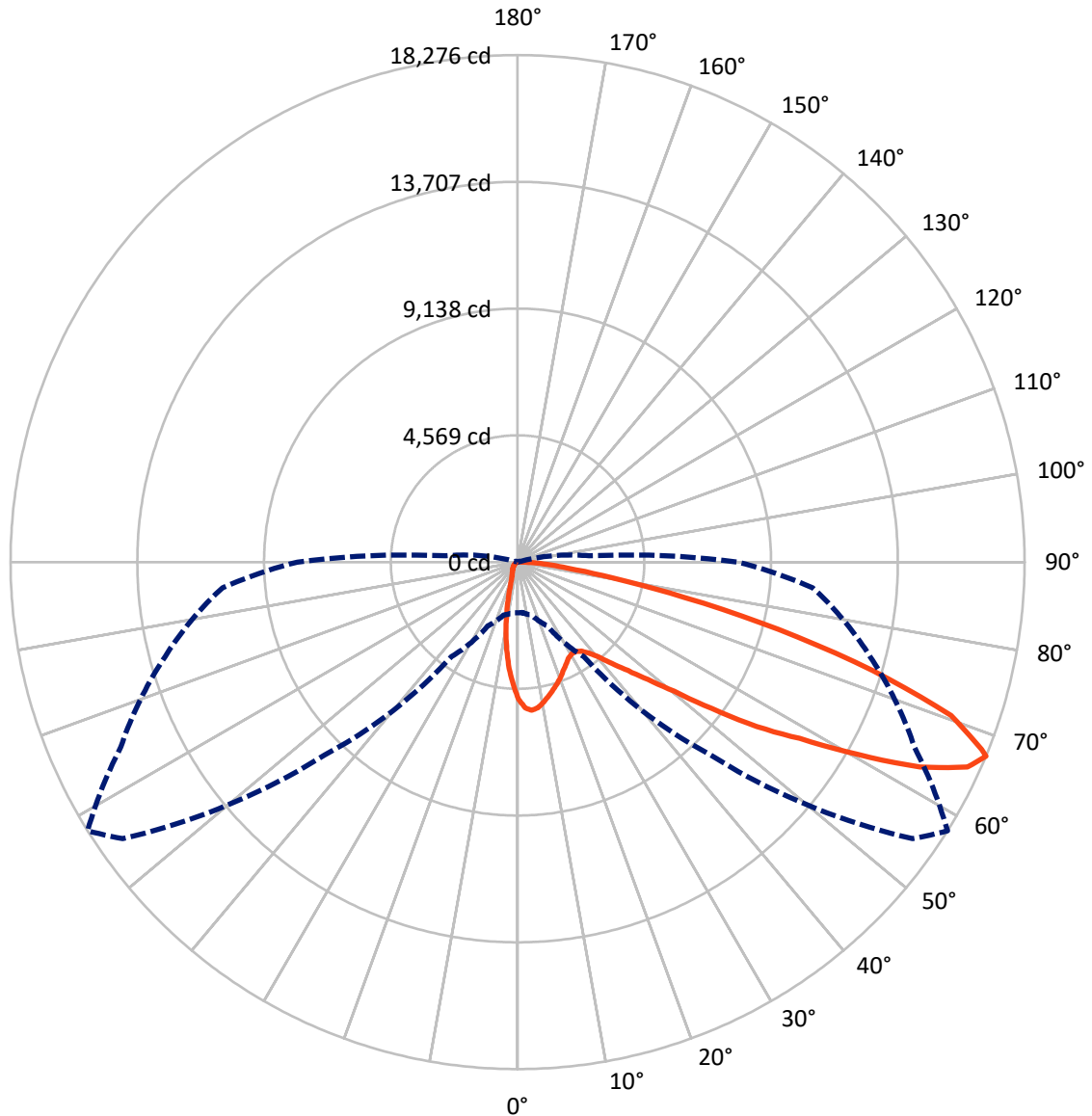
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P484359  
CATALOG NUMBER: IFLD-S-SA3C-735-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P484359  
 CATALOG NUMBER: IFLD-S-SA3C-735-U-SL3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1444.1	0.0	1444.1
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	16027.6	0.0	16027.6
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	17471.7	0.0	17471.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	392.8	2.2
10°-20°	814.7	4.7
20°-30°	1080.9	6.2
30°-40°	1497.7	8.6
40°-50°	2443.9	14.0
50°-60°	4295.5	24.6
60°-70°	4757.7	27.2
70°-80°	1971.6	11.3
80°-90°	217.0	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°	17471.7	100.0
0°-180°	17471.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P484359

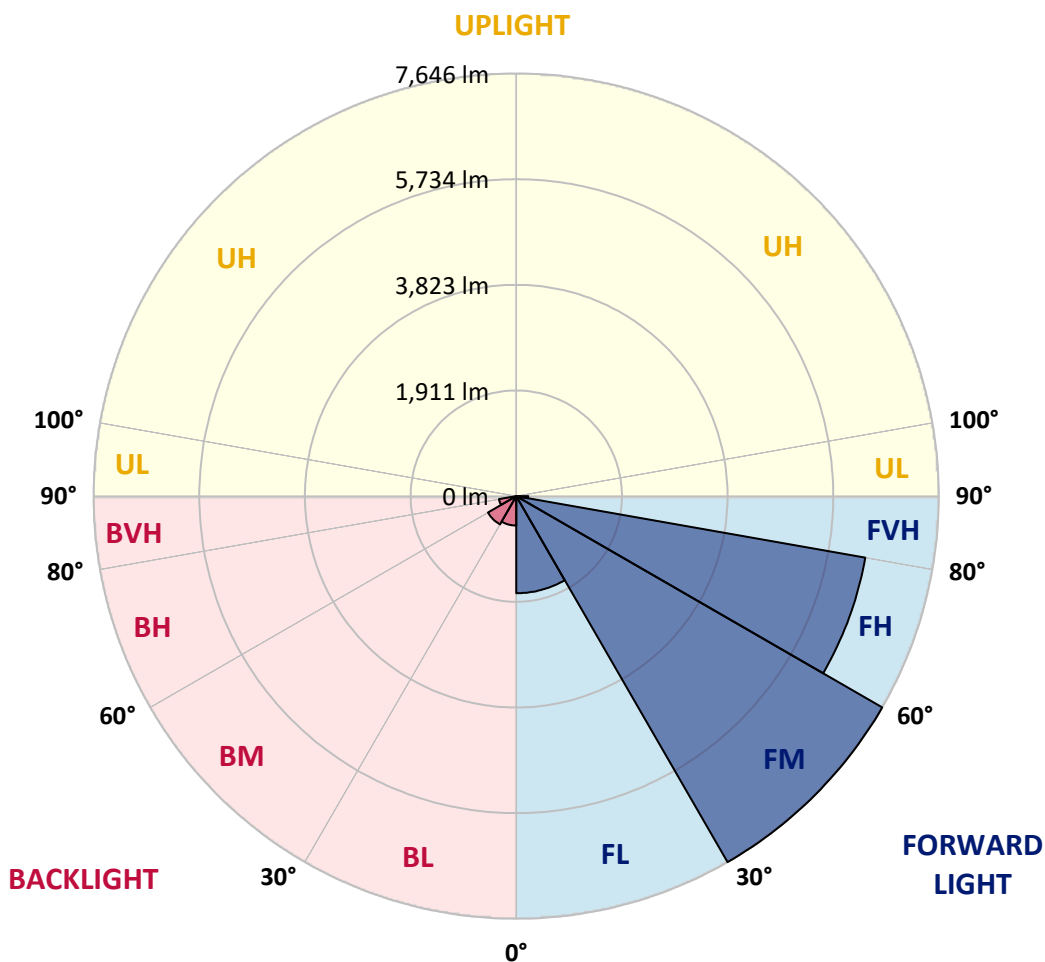
CATALOG NUMBER: IFLD-S-SA3C-735-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1756.4	10.1			
FM (30°-60°)	7646.0	43.8			
FH (60°-80°)	6411.7	36.7			G3/7500
FVH (80°-90°)	213.5	1.2			G2/225
BL (0°-30°)	531.9	3.0	B2/1000		
BM (30°-60°)	591.2	3.4	B1/1000		
BH (60°-80°)	317.5	1.8	B1/500		G1/500
BVH (80°-90°)	3.6	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-G3**

Type III Short





REPORT NUMBER: P484359

CATALOG NUMBER: IFLD-S-SA3C-735-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0
2.5°	5386.1	5404.6	5420.8	5390.7	5416.2	5379.1	5284.0	5263.1	5246.9	5105.4	5024.2
5°	5383.7	5362.9	5379.1	5393.0	5358.2	5386.1	5362.9	5365.2	5302.5	5175.0	4947.7
7.5°	5024.2	5014.9	5024.2	5091.5	5168.0	5228.3	5263.1	5297.9	5256.2	5065.9	4845.6
10°	4539.4	4585.8	4611.3	4731.9	4850.2	4961.6	5070.6	5135.5	5123.9	5047.4	4734.3
12.5°	4200.7	4186.8	4279.6	4358.5	4476.8	4701.8	4892.0	4952.3	5021.9	4915.2	4588.1
15°	3887.6	3850.5	3906.2	4043.0	4244.8	4423.4	4690.2	4780.6	4868.8	4896.6	4509.3
17.5°	3588.4	3606.9	3664.9	3787.9	3978.1	4228.6	4479.1	4609.0	4820.1	4783.0	4391.0
20°	3444.6	3484.0	3504.9	3567.5	3699.7	3950.2	4323.7	4428.1	4653.1	4780.6	4275.0
22.5°	3451.5	3451.5	3402.8	3439.9	3560.5	3755.4	4112.6	4228.6	4585.8	4660.0	4170.6
25°	3525.8	3479.4	3481.7	3437.6	3488.6	3595.3	3922.4	4063.9	4448.9	4671.6	4114.9
27.5°	3581.4	3572.1	3558.2	3546.6	3481.7	3497.9	3797.1	3913.1	4395.6	4657.7	4029.1
30°	3783.2	3741.5	3727.6	3702.0	3616.2	3537.4	3697.4	3843.5	4353.8	4690.2	3980.4
32.5°	3952.6	3959.5	3971.1	3896.9	3822.7	3627.8	3725.2	3841.2	4323.7	4764.4	4029.1
35°	4166.0	4196.1	4200.7	4177.6	4098.7	3906.2	3841.2	3941.0	4374.7	4896.6	4033.7
37.5°	4490.7	4458.2	4546.4	4555.6	4500.0	4244.8	4110.3	4149.7	4525.5	5107.7	4210.0
40°	4701.8	4741.2	4905.9	5008.0	4912.9	4680.9	4500.0	4493.0	4743.5	5439.4	4428.1
42.5°	4936.1	5024.2	5205.1	5425.5	5413.9	5198.2	5014.9	4984.8	5130.9	5919.6	4773.7
45°	5256.2	5335.0	5587.9	5919.6	6100.5	5917.2	5641.2	5580.9	5601.8	6573.7	5362.9
47.5°	5787.3	5766.5	6130.6	6457.7	6754.6	6613.1	6494.8	6318.5	6302.3	7343.8	6177.0
50°	6388.1	6383.5	6708.2	7079.3	7422.6	7698.7	7501.5	7309.0	7313.6	8389.9	7135.0
52.5°	6958.7	7049.2	7399.4	7768.3	8357.4	8654.3	8844.5	8768.0	8399.2	9324.7	8160.3
55°	7260.3	7339.1	7687.1	8322.6	9252.8	10015.9	10530.9	10465.9	9753.8	10377.8	9171.6
57.5°	6975.0	7028.3	7499.2	8331.9	9879.1	11581.6	12075.7	11994.5	11154.8	11182.7	10394.0
60°	5780.4	5863.9	6564.4	7540.9	9635.5	12787.8	14202.8	14079.8	12430.6	12201.0	11180.3
62.5°	4003.6	4059.3	4634.5	5850.0	8480.4	13207.7	16211.5	16278.8	13776.0	12994.3	11414.6
65°	2593.3	2588.6	2918.0	3741.5	6010.0	11936.5	17399.1	17816.6	15074.9	13114.9	11342.7
67°	1832.5	1825.5	1980.9	2537.6	4161.3	9835.0	17378.2	18275.9	15780.1	13149.7	10677.0
67.5°	1691.0	1684.0	1832.5	2333.5	3755.4	9146.1	17118.5	18039.3	16028.3	13101.0	10384.7
70°	1312.9	1294.3	1350.0	1607.5	2187.4	5914.9	14650.4	16571.0	15513.3	11885.5	8292.5
72.5°	948.7	969.6	1057.7	1319.8	1716.5	3182.5	11166.4	13400.2	12957.1	8958.2	5270.1
75°	661.1	679.6	821.1	1076.3	1575.0	1929.9	7550.2	9719.0	9025.5	4945.3	2245.3
77.5°	345.6	368.8	524.2	860.6	1431.2	1493.8	4511.6	6163.1	4783.0	1760.6	619.3
80°	160.1	171.6	262.1	610.0	1196.9	1312.9	2630.4	3428.3	1913.6	394.3	213.4
82.5°	69.6	76.5	120.6	350.3	849.0	1148.2	1628.3	1797.7	693.6	127.6	132.2
85°	13.9	16.2	46.4	185.6	410.6	695.9	1143.6	1067.0	347.9	62.6	104.4
87.5°	0.0	0.0	11.6	53.4	111.3	206.4	484.8	484.8	106.7	32.5	39.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P484359

CATALOG NUMBER: IFLD-S-SA3C-735-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0
2.5°	4952.3	4868.8	4685.5	4516.2	4395.6	4258.7	4077.8	3996.6	3966.5	3924.7	3862.1
5°	4822.4	4720.3	4407.2	4091.7	3746.1	3484.0	3205.7	3043.3	2920.3	2843.8	2818.3
7.5°	4639.1	4430.4	4008.2	3502.6	3054.9	2665.2	2243.0	1957.7	1774.5	1700.2	1630.7
10°	4493.0	4221.6	3579.1	2950.5	2354.4	1783.8	1308.2	1057.7	867.5	795.6	786.3
12.5°	4302.8	3978.1	3177.8	2386.8	1637.6	1062.4	723.7	628.6	575.3	566.0	559.0
15°	4145.1	3757.7	2797.4	1848.7	1060.0	663.4	563.7	540.5	526.5	521.9	524.2
17.5°	4038.4	3521.1	2407.7	1345.4	698.2	542.8	519.6	505.7	498.7	496.4	489.4
20°	3827.3	3321.6	2022.7	941.7	545.1	501.0	482.5	470.9	463.9	461.6	459.3
22.5°	3706.7	3068.8	1637.6	656.4	484.8	454.6	440.7	431.4	419.8	412.9	410.6
25°	3586.1	2883.2	1294.3	510.3	440.7	419.8	399.0	387.4	368.8	359.5	357.2
27.5°	3444.6	2700.0	997.4	443.0	396.6	375.8	354.9	336.3	313.1	303.9	299.2
30°	3363.4	2521.4	751.5	396.6	364.2	336.3	310.8	287.6	262.1	245.9	241.2
32.5°	3321.6	2359.0	563.7	361.9	329.4	299.2	266.8	238.9	215.7	201.8	199.5
35°	3270.6	2201.3	443.0	329.4	296.9	264.4	232.0	204.1	180.9	169.3	164.7
37.5°	3323.9	2108.5	368.8	303.9	271.4	234.3	199.5	171.6	153.1	141.5	139.2
40°	3470.1	2031.9	320.1	280.7	245.9	206.4	174.0	146.1	129.9	120.6	116.0
42.5°	3695.1	2031.9	289.9	257.5	222.7	180.9	148.5	127.6	111.3	102.1	99.7
45°	4103.3	2094.6	264.4	234.3	194.8	155.4	127.6	106.7	90.5	81.2	78.9
47.5°	4676.3	2238.4	243.6	213.4	174.0	136.9	111.3	90.5	74.2	64.9	62.6
50°	5446.4	2565.4	222.7	187.9	155.4	118.3	92.8	71.9	58.0	48.7	46.4
52.5°	6406.7	3029.4	201.8	174.0	132.2	99.7	74.2	58.0	44.1	37.1	34.8
55°	7422.6	3597.7	176.3	155.4	113.7	83.5	60.3	44.1	32.5	27.8	25.5
57.5°	8445.6	4036.1	155.4	134.5	92.8	67.3	48.7	34.8	23.2	18.6	16.2
60°	8988.3	4077.8	134.5	111.3	74.2	53.4	37.1	25.5	16.2	11.6	9.3
62.5°	9071.9	3706.7	116.0	90.5	60.3	41.8	25.5	18.6	9.3	4.6	4.6
65°	8642.7	3089.7	99.7	71.9	46.4	30.2	18.6	11.6	4.6	2.3	0.0
67°	7946.9	2588.6	85.8	60.3	37.1	23.2	13.9	7.0	2.3	0.0	0.0
67.5°	7677.8	2449.5	81.2	55.7	34.8	20.9	11.6	7.0	2.3	0.0	0.0
70°	5959.0	1749.0	60.3	39.4	25.5	16.2	9.3	4.6	0.0	0.0	0.0
72.5°	3651.0	1022.9	46.4	27.8	18.6	11.6	7.0	2.3	0.0	0.0	0.0
75°	1530.9	352.6	39.4	20.9	13.9	7.0	4.6	2.3	0.0	0.0	0.0
77.5°	399.0	132.2	27.8	13.9	9.3	7.0	4.6	2.3	0.0	0.0	0.0
80°	162.4	60.3	18.6	9.3	9.3	7.0	4.6	2.3	0.0	0.0	0.0
82.5°	106.7	27.8	11.6	9.3	7.0	4.6	2.3	0.0	0.0	0.0	0.0
85°	81.2	16.2	7.0	7.0	4.6	2.3	0.0	0.0	0.0	0.0	0.0
87.5°	34.8	9.3	7.0	4.6	4.6	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)