

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: P482774

Luminaire Tested: **IFLD-S-SA6B-730-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482774  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-730-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

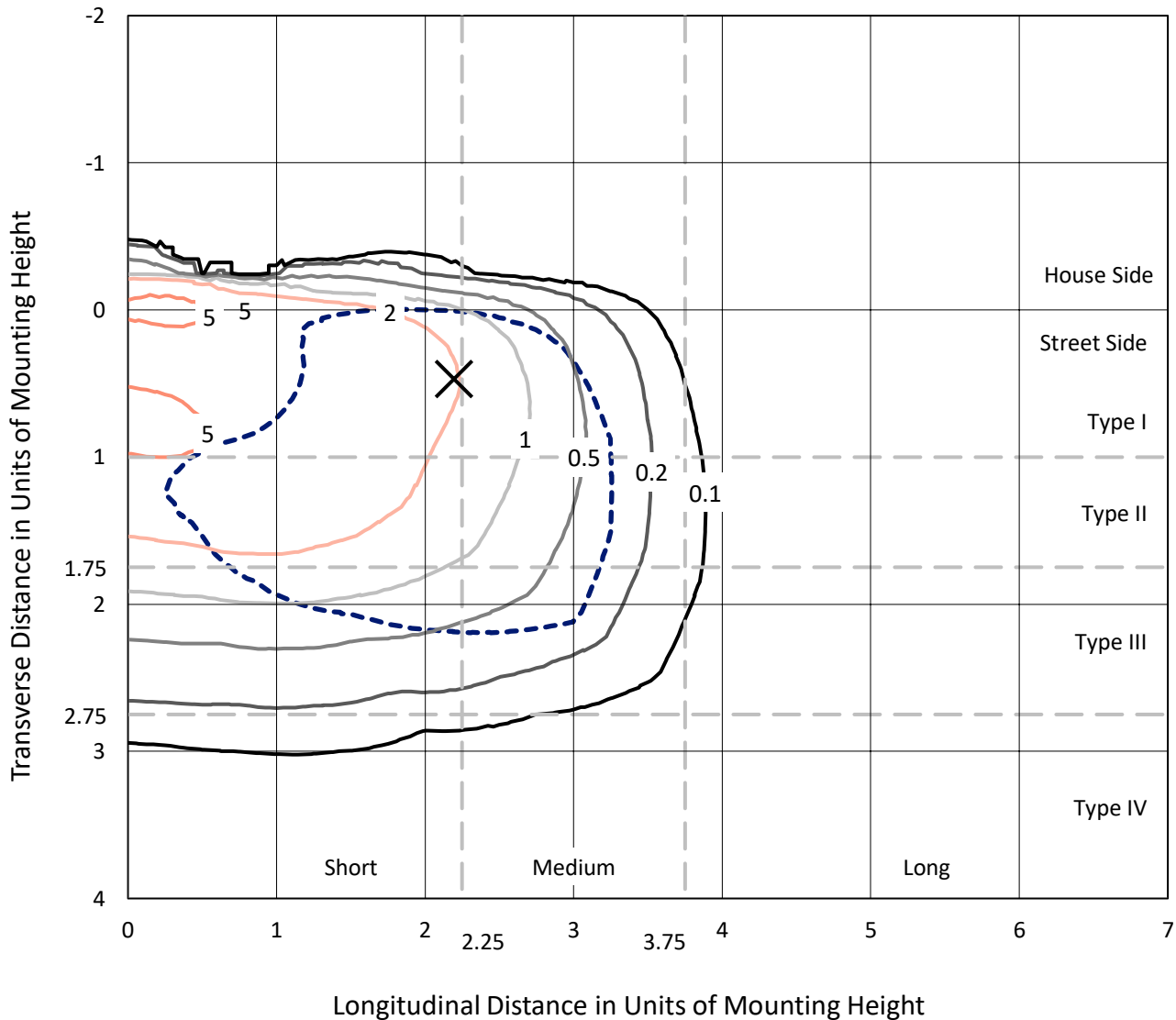
Lumens per Lamp: N/A  
Luminaire Lumens: 21788.1 lumens  
Efficiency: N/A  
Efficacy: 89.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

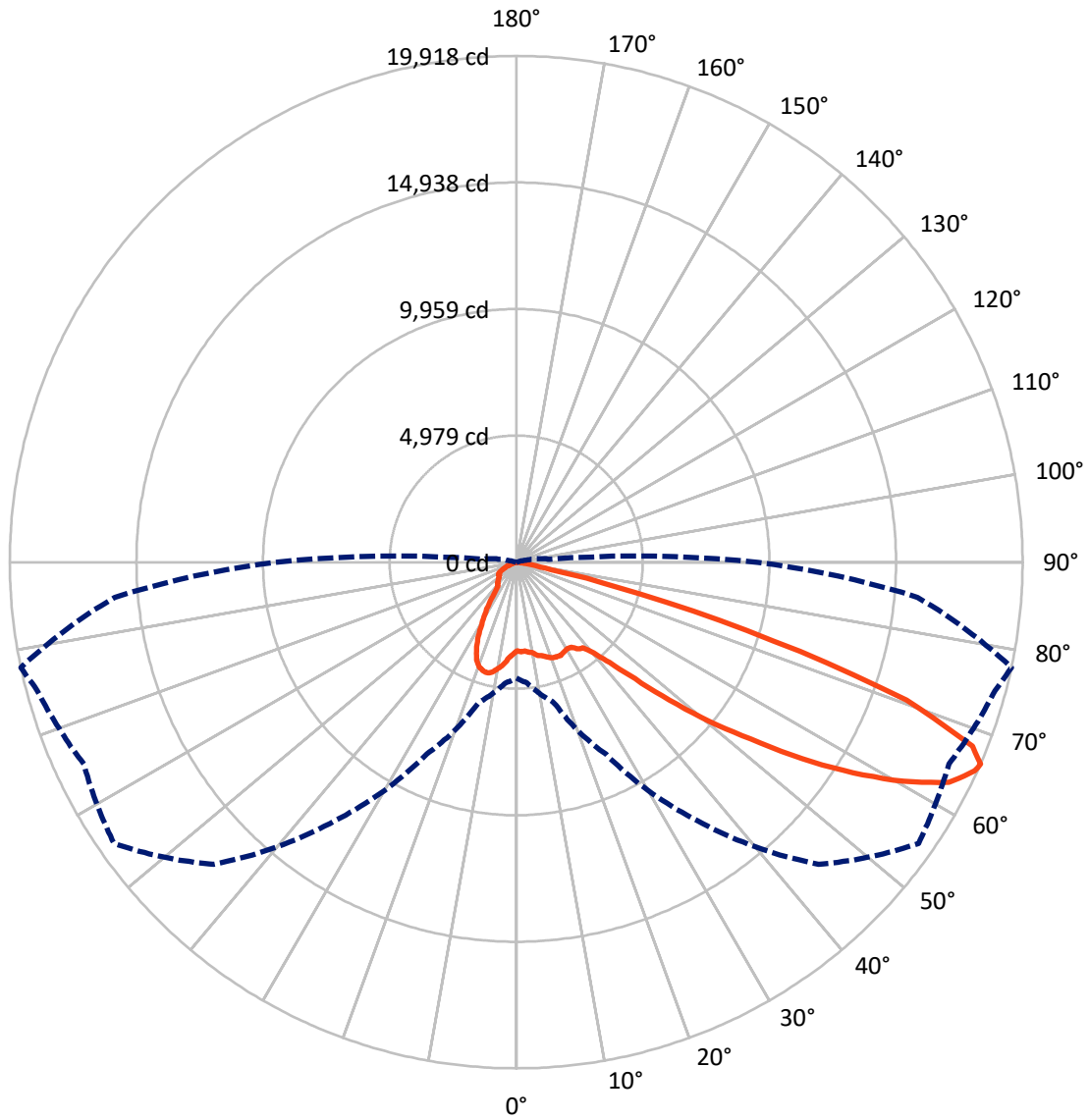
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1531.8	0.0	1531.8
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	20256.3	0.0	20256.3
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	21788.1	0.0	21788.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.3	1.5
10°-20°	720.7	3.3
20°-30°	1030.1	4.7
30°-40°	1763.2	8.1
40°-50°	3182.4	14.6
50°-60°	5442.4	25.0
60°-70°	6698.6	30.7
70°-80°	2532.5	11.6
80°-90°	98.9	0.5
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°	21788.1	100.0
0°-180°	21788.1	100.0

**Coefficient of Utilization**



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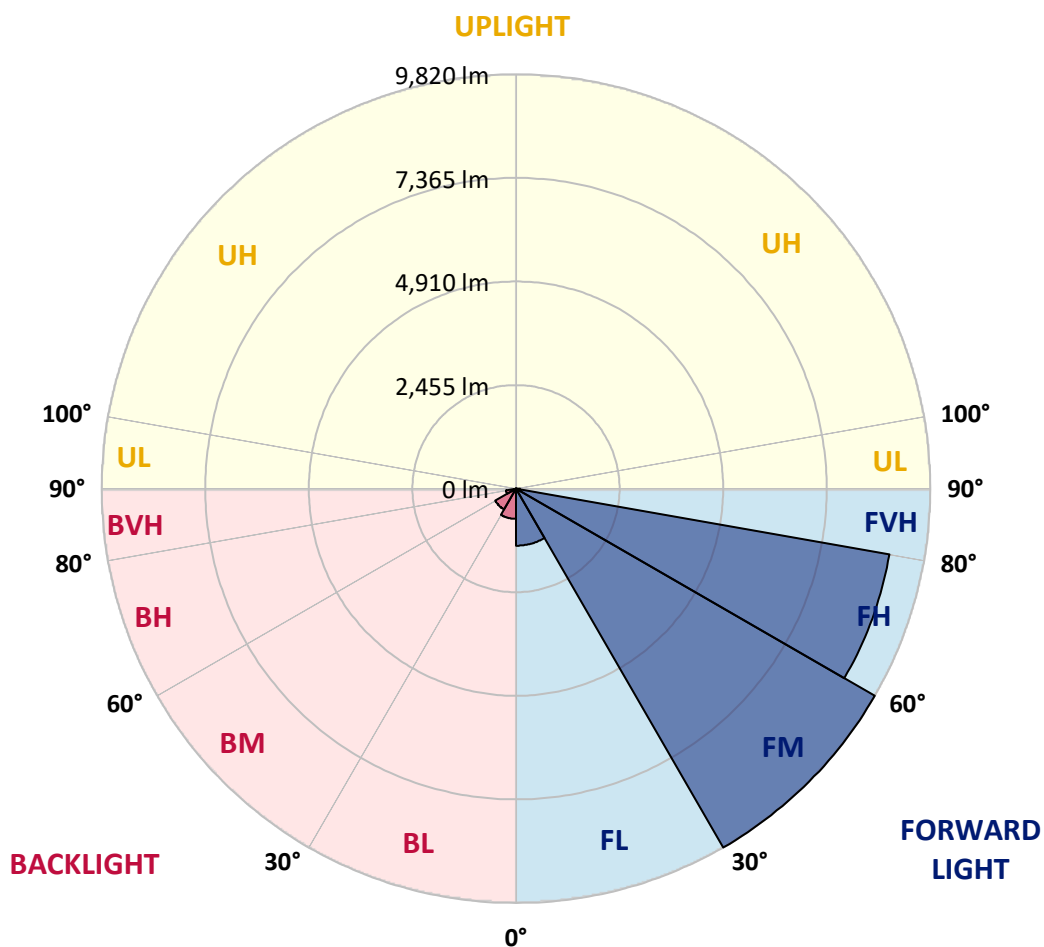
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1352.6	6.2			
FM (30°-60°)	9820.3	45.1			
FH (60°-80°)	8988.4	41.3			G4/12000
FVH (80°-90°)	95.0	0.4			G1/100
BL (0°-30°)	717.4	3.3	B2/1000		
BM (30°-60°)	567.7	2.6	B1/1000		
BH (60°-80°)	242.7	1.1	B1/500		G1/500
BVH (80°-90°)	4.0	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°	65°	75°	78°	85°
0°	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7
2.5°	3209.9	3180.3	3209.9	3252.7	3275.8	3295.5	3364.6	3423.9	3486.5	3529.3	3516.1
5°	2976.2	3032.1	3038.7	3051.9	3088.1	3206.6	3246.1	3348.2	3502.9	3516.1	3575.3
7.5°	2791.8	2775.3	2818.1	2903.7	2995.9	3065.1	3180.3	3358.1	3519.4	3575.3	3690.6
10°	2525.1	2558.1	2604.1	2689.7	2801.7	2972.9	3177.0	3374.5	3605.0	3624.7	3838.7
12.5°	2380.3	2347.3	2419.8	2508.7	2699.6	2857.6	3107.9	3344.9	3657.6	3766.3	4013.2
15°	2261.8	2278.2	2347.3	2406.6	2564.6	2765.5	3058.5	3417.3	3746.5	3822.3	4197.6
17.5°	2212.4	2202.5	2255.2	2314.4	2508.7	2735.8	3038.7	3420.6	3825.6	3924.3	4322.7
20°	2235.4	2255.2	2238.7	2294.7	2416.5	2646.9	3068.3	3483.2	3884.8	4019.8	4457.7
22.5°	2597.6	2571.2	2439.5	2334.2	2340.8	2610.7	3045.3	3522.7	3937.5	4046.1	4549.8
25°	3542.4	3400.9	3074.9	2670.0	2403.3	2512.0	3019.0	3509.5	3927.6	4062.6	4605.8
27.5°	4493.9	4372.1	4052.7	3423.9	2656.8	2472.5	2926.8	3519.4	3878.2	4003.3	4513.6
30°	5498.0	5563.8	5089.8	4342.4	3321.8	2689.7	2867.5	3466.7	3845.3	3950.7	4533.4
32.5°	6528.5	6502.1	6215.7	5405.8	4273.3	3170.4	2963.0	3519.4	3888.1	3990.2	4648.6
35°	7335.1	7242.9	6953.2	6222.3	5060.1	3894.7	3292.2	3769.6	4075.8	4197.6	4813.2
37.5°	7733.4	7772.9	7605.0	6969.6	5922.7	4566.3	3703.7	3769.6	4135.0	4276.6	5079.9
40°	8042.9	8161.4	8098.8	7894.7	6778.7	5323.5	4158.1	4003.3	4434.6	4701.3	5580.3
42.5°	8414.9	8358.9	8727.7	8540.0	7898.0	6278.3	4954.8	4559.7	5142.4	5399.2	6330.9
45°	8612.4	8826.4	9106.3	9346.6	8935.1	7470.0	5995.1	5544.1	6225.6	6551.5	7447.0
47.5°	9119.4	9205.0	9659.4	9962.2	9777.9	8833.0	7575.4	6982.8	7588.6	8102.1	8724.4
50°	9415.7	9300.5	9935.9	10396.8	10502.2	9962.2	8991.0	8530.1	9208.3	9863.5	9919.4
52.5°	9155.6	9484.9	10120.3	10946.6	11239.6	10969.7	10653.6	10452.8	10930.2	11535.9	11266.0
55°	8243.7	8467.6	10014.9	11549.1	12494.0	12368.8	12661.9	12530.2	13010.8	13652.8	12839.6
57.5°	7509.5	7789.4	9149.1	11861.8	13662.7	14031.4	14400.1	14317.8	14897.3	15638.0	14173.0
60°	7051.9	7213.2	8523.5	11782.8	14354.1	15750.0	16582.9	16003.5	16948.3	17514.6	15216.6
62.5°	6258.5	6360.6	7611.6	10735.9	14561.5	16964.8	18377.1	17590.3	18410.1	19101.4	15967.2
65°	5017.3	5293.9	6327.6	9168.8	13191.9	17188.6	19496.5	18571.4	19364.8	19819.1	16194.4
66°	4566.3	4767.1	5715.3	8339.2	12411.6	16816.6	19308.8	18775.5	19503.1	19917.9	15845.4
67.5°	3789.3	3963.8	4717.7	7157.3	10814.9	15996.9	19440.5	18637.2	19608.4	19354.9	15377.9
70°	2508.7	2620.6	3226.4	4839.6	7532.6	13086.6	18031.5	17557.4	17238.0	16286.6	12023.2
72.5°	1172.0	1333.3	2014.8	2933.4	4418.2	9155.6	14703.0	14067.6	12089.0	10568.0	7585.3
75°	530.0	602.5	1106.2	1682.3	1981.9	4744.1	9484.9	8566.3	6018.2	4997.6	3321.8
77.5°	286.4	325.9	539.9	800.0	721.0	1662.6	4694.7	3904.6	1896.3	1389.3	964.6
80°	220.6	260.1	451.0	457.6	266.7	431.3	1744.9	1208.2	474.1	358.9	230.5
82.5°	115.2	164.6	355.6	296.3	135.0	174.5	539.9	335.8	148.1	118.5	98.8
85°	46.1	72.4	200.8	197.5	79.0	59.3	151.4	102.1	59.3	49.4	46.1
87.5°	3.3	3.3	108.6	75.7	49.4	16.5	23.0	23.0	29.6	26.3	32.9
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°	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7	3489.7
2.5°	3575.3	3614.9	3621.4	3730.1	3753.1	3730.1	3789.3	3779.5	3805.8	3786.0	3749.8
5°	3657.6	3713.6	3822.3	3904.6	3904.6	3838.7	3786.0	3716.9	3614.9	3588.5	3568.8
7.5°	3799.2	3977.0	4075.8	4023.1	3917.7	3670.8	3328.4	3078.2	2867.5	2788.5	2752.3
10°	4049.4	4148.2	4263.4	4049.4	3611.6	3088.1	2512.0	2133.4	1837.1	1771.2	1721.8
12.5°	4210.7	4368.8	4434.6	3904.6	3045.3	2265.0	1639.5	1211.5	1004.1	846.1	819.8
15°	4421.4	4602.5	4467.5	3512.8	2400.0	1484.8	849.4	530.0	431.3	404.9	404.9
17.5°	4566.3	4763.8	4332.6	3025.5	1702.1	790.1	421.4	365.4	358.9	362.1	355.6
20°	4819.8	4938.3	4128.4	2459.3	1017.3	404.9	339.1	325.9	319.3	329.2	322.6
22.5°	4915.3	5023.9	3795.9	1781.1	457.6	270.0	253.5	243.6	250.2	246.9	243.6
25°	4908.7	4964.7	3249.4	1020.6	135.0	105.4	95.5	95.5	88.9	92.2	88.9
27.5°	4958.1	4819.8	2637.1	302.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	4984.4	4586.1	1876.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4997.6	4464.2	1208.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5099.6	4220.6	516.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5168.8	3907.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5455.2	3809.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5827.2	3624.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6344.1	3351.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7028.9	3190.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	7539.2	2936.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8187.7	2785.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8958.1	2791.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9659.4	2745.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10018.2	2347.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	9942.5	1899.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	9679.1	1491.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	9498.0	1320.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	8948.2	1056.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7121.1	724.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4530.1	444.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2087.3	204.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	655.2	125.1	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	171.2	79.0	26.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	88.9	56.0	23.0	9.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	56.0	23.0	9.9	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	49.4	13.2	6.6	6.6	3.3	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)