

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: P482707

Luminaire Tested: **IFLD-L-SA7C-722-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482707  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-722-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

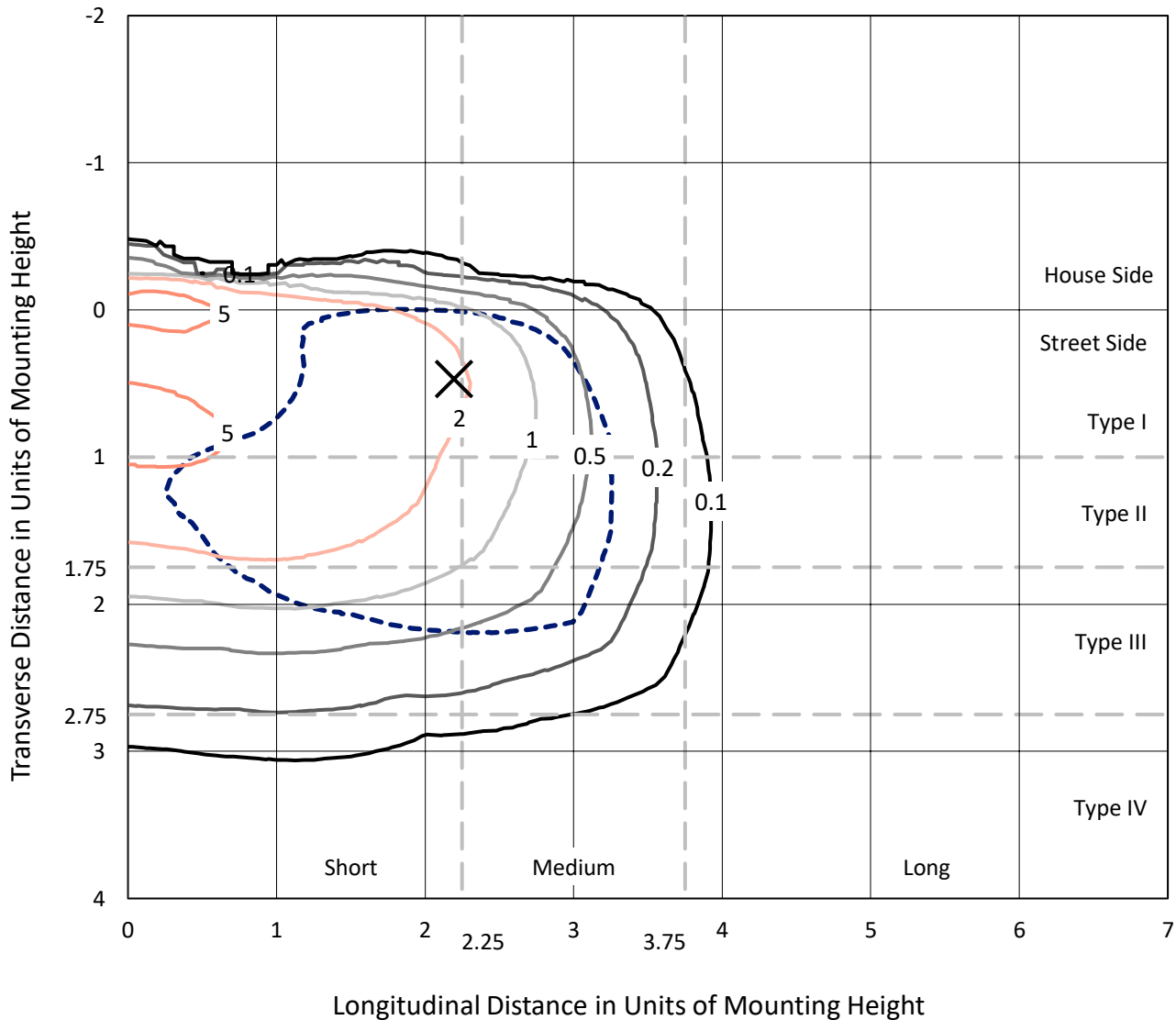
Lumens per Lamp: N/A  
Luminaire Lumens: 23407.1 lumens  
Efficiency: N/A  
Efficacy: 63.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 369  
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

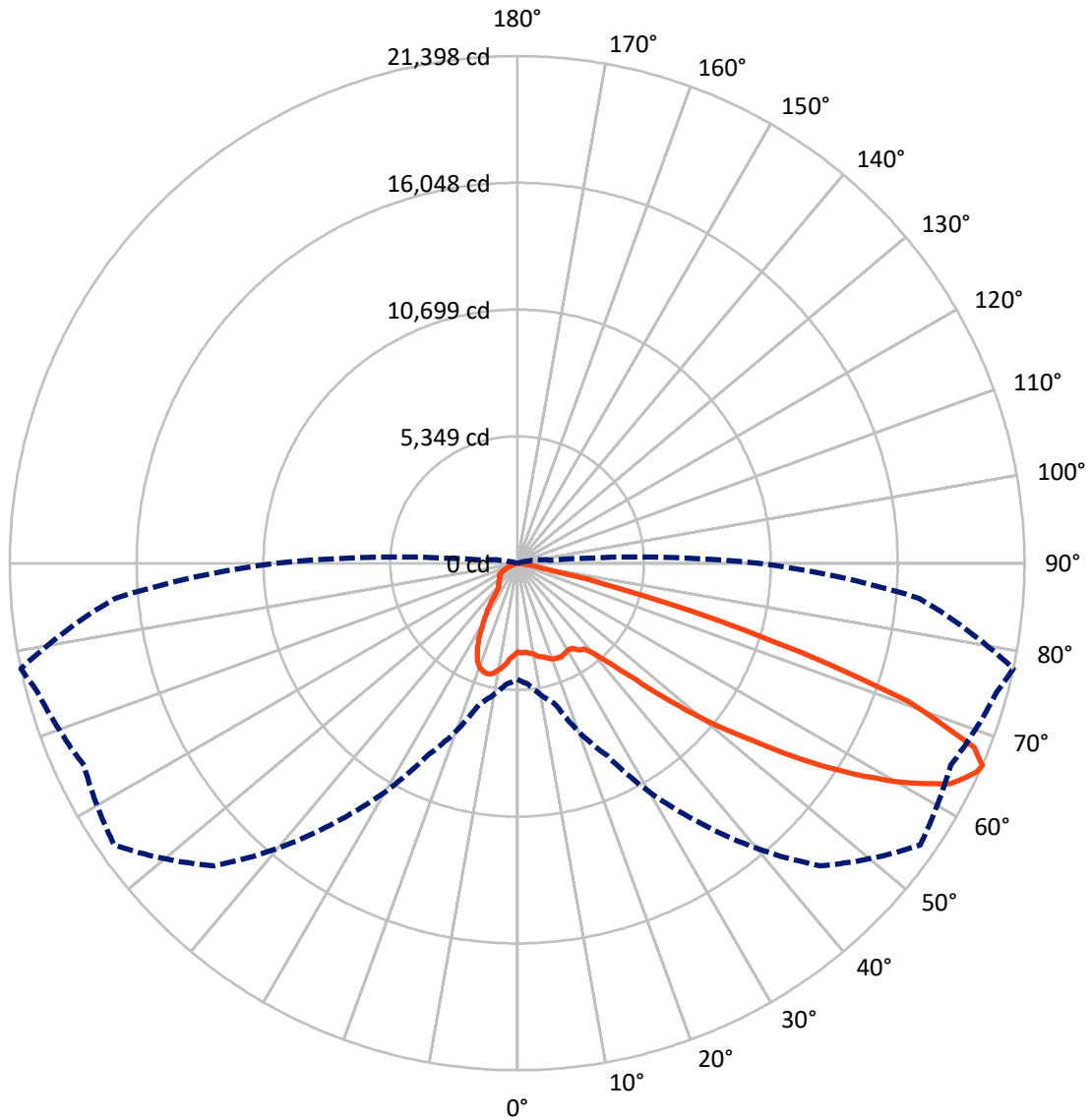
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	1645.6	0.0	1645.6
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	21761.5	0.0	21761.5
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	23407.1	0.0	23407.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	343.0	1.5
10°-20°	774.2	3.3
20°-30°	1106.6	4.7
30°-40°	1894.3	8.1
40°-50°	3418.9	14.6
50°-60°	5846.8	25.0
60°-70°	7196.4	30.7
70°-80°	2720.6	11.6
80°-90°	106.3	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°	23407.1	100.0
0°-180°	23407.1	100.0

**Coefficient of Utilization**



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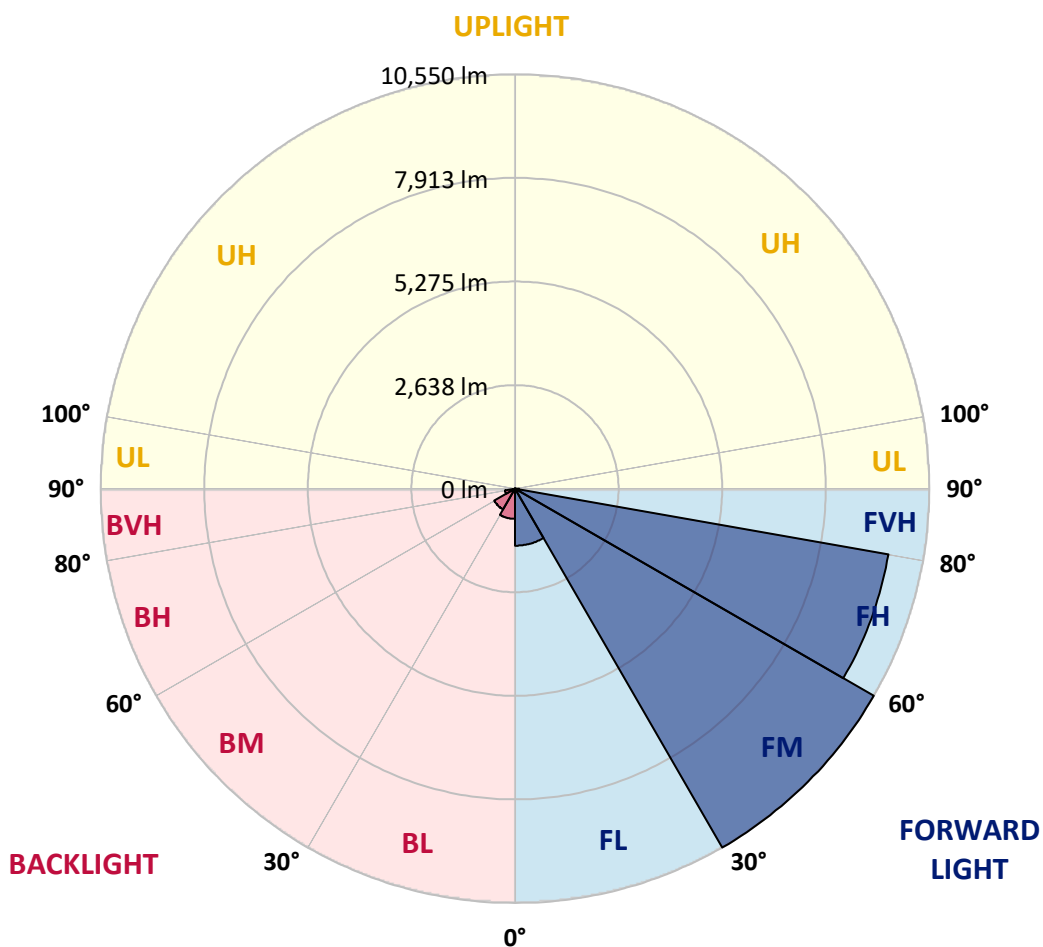
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1453.1	6.2			
FM (30°-60°)	10550.1	45.1			
FH (60°-80°)	9656.3	41.3			G4/12000
FVH (80°-90°)	102.0	0.4			G2/225
BL (0°-30°)	770.7	3.3	B2/1000		
BM (30°-60°)	609.9	2.6	B1/1000		
BH (60°-80°)	260.7	1.1	B1/500		G1/500
BVH (80°-90°)	4.3	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-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1
2.5°	3448.4	3416.6	3448.4	3494.4	3519.2	3540.4	3614.7	3678.3	3745.5	3791.5	3777.4
5°	3197.3	3257.4	3264.5	3278.7	3317.6	3444.9	3487.3	3597.0	3763.2	3777.4	3841.0
7.5°	2999.2	2981.6	3027.5	3119.5	3218.5	3292.8	3416.6	3607.6	3780.9	3841.0	3964.8
10°	2712.8	2748.1	2797.6	2889.6	3009.9	3193.8	3413.1	3625.3	3872.8	3894.1	4124.0
12.5°	2557.1	2521.8	2599.6	2695.1	2900.2	3070.0	3338.8	3593.4	3929.4	4046.2	4311.4
15°	2429.8	2447.5	2521.8	2585.4	2755.2	2971.0	3285.7	3671.2	4024.9	4106.3	4509.5
17.5°	2376.8	2366.1	2422.7	2486.4	2695.1	2939.1	3264.5	3674.8	4109.8	4215.9	4643.9
20°	2401.5	2422.7	2405.1	2465.2	2596.0	2843.6	3296.3	3742.0	4173.5	4318.5	4788.9
22.5°	2790.6	2762.3	2620.8	2507.6	2514.7	2804.7	3271.6	3784.4	4230.1	4346.8	4887.9
25°	3805.6	3653.6	3303.4	2868.4	2581.9	2698.6	3243.3	3770.3	4219.5	4364.5	4948.0
27.5°	4827.8	4696.9	4353.9	3678.3	2854.2	2656.2	3144.3	3780.9	4166.4	4300.8	4849.0
30°	5906.5	5977.3	5468.0	4665.1	3568.7	2889.6	3080.6	3724.3	4131.0	4244.2	4870.2
32.5°	7013.6	6985.3	6677.6	5807.5	4590.8	3406.0	3183.2	3780.9	4177.0	4286.7	4994.0
35°	7880.1	7781.1	7469.8	6684.6	5436.1	4184.1	3536.8	4049.7	4378.6	4509.5	5170.9
37.5°	8308.1	8350.5	8170.1	7487.5	6362.8	4905.6	3979.0	4049.7	4442.3	4594.4	5457.4
40°	8640.5	8767.8	8700.6	8481.4	7282.4	5719.1	4467.0	4300.8	4764.1	5050.6	5995.0
42.5°	9040.2	8980.1	9376.2	9174.6	8484.9	6744.8	5323.0	4898.5	5524.6	5800.4	6801.4
45°	9252.4	9482.3	9782.9	10041.1	9599.0	8025.1	6440.6	5956.0	6688.2	7038.3	8000.3
47.5°	9797.1	9889.0	10377.1	10702.5	10504.4	9489.4	8138.3	7501.7	8152.4	8704.2	9372.6
50°	10115.4	9991.6	10674.2	11169.4	11282.5	10702.5	9659.1	9164.0	9892.6	10596.4	10656.5
52.5°	9836.0	10189.7	10872.3	11760.0	12074.8	11784.8	11445.2	11229.5	11742.3	12393.1	12103.1
55°	8856.3	9096.8	10759.1	12407.3	13422.3	13287.9	13602.7	13461.2	13977.6	14667.3	13793.7
57.5°	8067.5	8368.2	9828.9	12743.3	14677.9	15074.0	15470.2	15381.7	16004.2	16800.0	15226.1
60°	7575.9	7749.2	9156.9	12658.4	15420.6	16920.3	17815.1	17192.6	18207.7	18816.0	16347.3
62.5°	6723.5	6833.2	8177.2	11533.7	15643.5	18225.4	19742.7	18897.4	19778.0	20520.8	17153.7
65°	5390.2	5687.2	6797.8	9850.1	14172.1	18465.9	20945.2	19951.3	20803.7	21291.8	17397.7
66°	4905.6	5121.4	6140.0	8958.8	13333.9	18066.2	20743.6	20170.6	20952.3	21397.9	17022.8
67.5°	4070.9	4258.4	5068.3	7689.1	11618.5	17185.5	20885.1	20022.1	21065.5	20793.1	16520.6
70°	2695.1	2815.3	3466.1	5199.2	8092.3	14059.0	19371.3	18862.0	18518.9	17496.8	12916.6
72.5°	1259.1	1432.4	2164.5	3151.3	4746.4	9836.0	15795.6	15112.9	12987.3	11353.3	8148.9
75°	569.4	647.2	1188.4	1807.3	2129.2	5096.6	10189.7	9202.9	6465.4	5368.9	3568.7
77.5°	307.7	350.1	580.0	859.5	774.6	1786.1	5043.5	4194.7	2037.2	1492.5	1036.3
80°	237.0	279.4	484.5	491.6	286.5	463.3	1874.5	1298.0	509.3	385.5	247.6
82.5°	123.8	176.8	382.0	318.3	145.0	187.5	580.0	360.8	159.2	127.3	106.1
85°	49.5	77.8	215.7	212.2	84.9	63.7	162.7	109.6	63.7	53.1	49.5
87.5°	3.5	3.5	116.7	81.3	53.1	17.7	24.8	24.8	31.8	28.3	35.4
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°	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1	3749.1
2.5°	3841.0	3883.5	3890.5	4007.2	4032.0	4007.2	4070.9	4060.3	4088.6	4067.4	4028.5
5°	3929.4	3989.6	4106.3	4194.7	4194.7	4124.0	4067.4	3993.1	3883.5	3855.2	3833.9
7.5°	4081.5	4272.5	4378.6	4322.0	4208.8	3943.6	3575.8	3307.0	3080.6	2995.7	2956.8
10°	4350.3	4456.4	4580.2	4350.3	3879.9	3317.6	2698.6	2291.9	1973.6	1902.8	1849.8
12.5°	4523.6	4693.4	4764.1	4194.7	3271.6	2433.4	1761.3	1301.6	1078.7	909.0	880.7
15°	4750.0	4944.5	4799.5	3773.8	2578.4	1595.1	912.5	569.4	463.3	435.0	435.0
17.5°	4905.6	5117.8	4654.5	3250.4	1828.5	848.8	452.7	392.6	385.5	389.1	382.0
20°	5177.9	5305.3	4435.2	2642.0	1092.9	435.0	364.3	350.1	343.1	353.7	346.6
22.5°	5280.5	5397.2	4078.0	1913.4	491.6	290.0	272.3	261.7	268.8	265.3	261.7
25°	5273.4	5333.6	3490.9	1096.4	145.0	113.2	102.6	102.6	95.5	99.0	95.5
27.5°	5326.5	5177.9	2833.0	325.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	5354.8	4926.8	2016.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5368.9	4796.0	1298.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5478.6	4534.2	555.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5552.8	4198.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5860.6	4092.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6260.2	3894.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6815.5	3600.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7551.2	3427.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8099.4	3154.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8796.1	2992.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9623.8	2999.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	10377.1	2949.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10762.6	2521.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	10681.3	2040.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	10398.3	1602.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	10203.8	1418.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	9613.1	1135.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7650.2	778.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4866.7	477.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2242.4	219.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	703.8	134.4	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	183.9	84.9	28.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	95.5	60.1	24.8	10.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	60.1	24.8	10.6	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	53.1	14.1	7.1	7.1	3.5	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)