

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: P481528

Luminaire Tested: **IFLD-S-SA6D-722-U-T2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481528  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-722-U-T2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

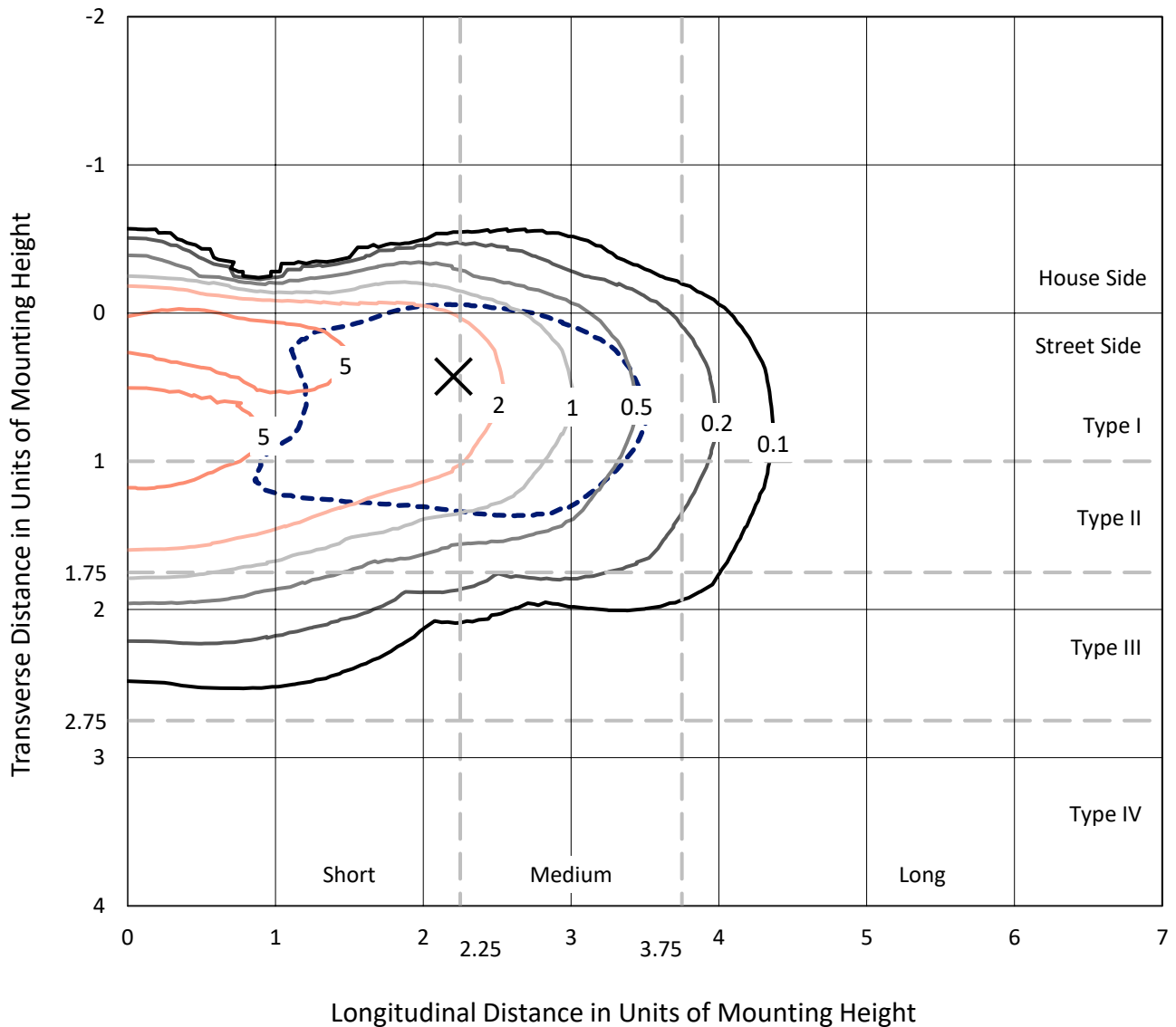
Lumens per Lamp: N/A  
Luminaire Lumens: 24253.3 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 368.2  
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

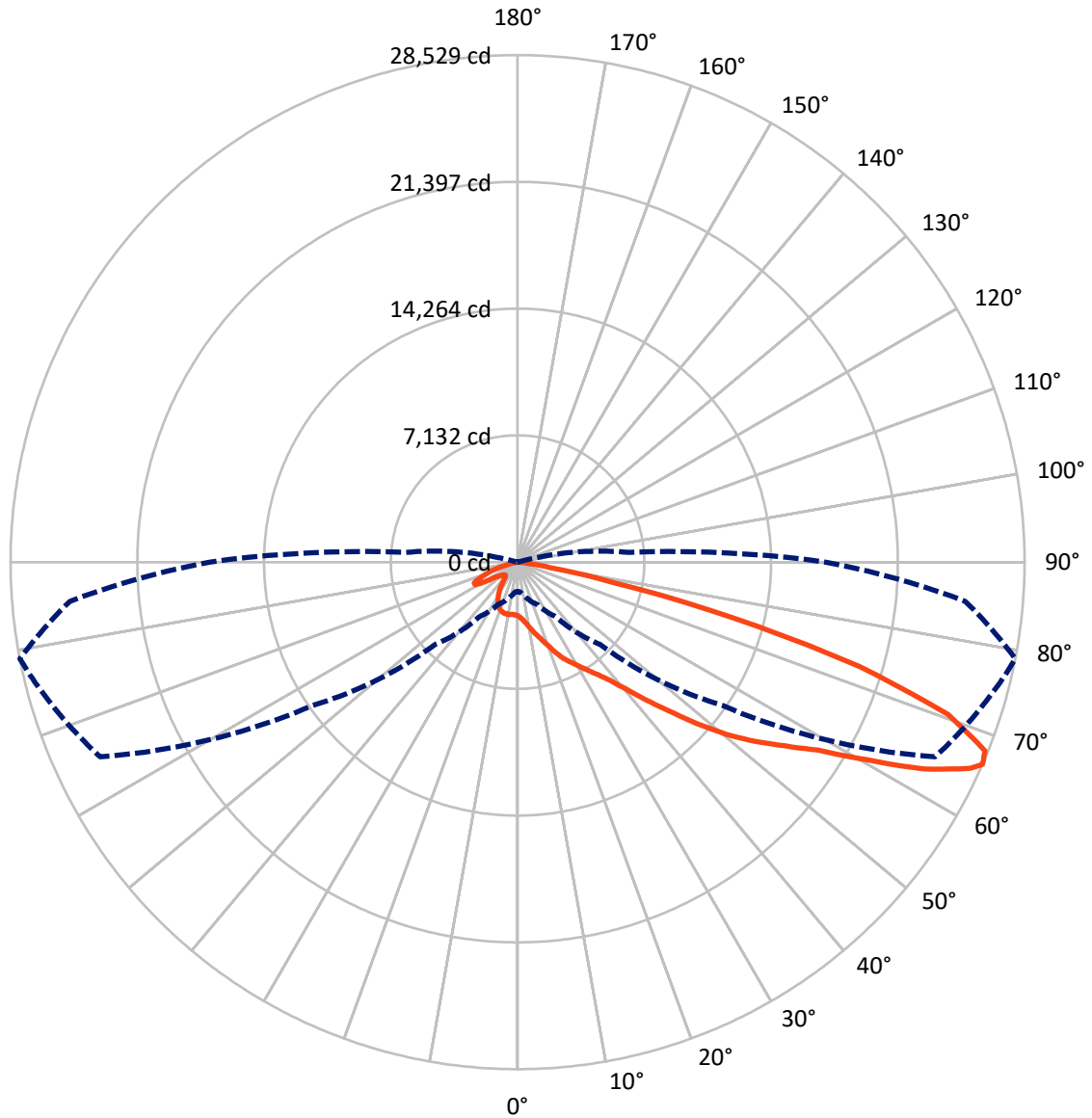
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1821.1	0.0	1821.1
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	22432.2	0.0	22432.2
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	24253.3	0.0	24253.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.4	1.2
10°-20°	785.4	3.2
20°-30°	1304.7	5.4
30°-40°	2241.0	9.2
40°-50°	4059.8	16.7
50°-60°	6417.3	26.5
60°-70°	6530.1	26.9
70°-80°	2490.2	10.3
80°-90°	139.6	0.6
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°	24253.3	100.0
0°-180°	24253.3	100.0

**Coefficient of Utilization**



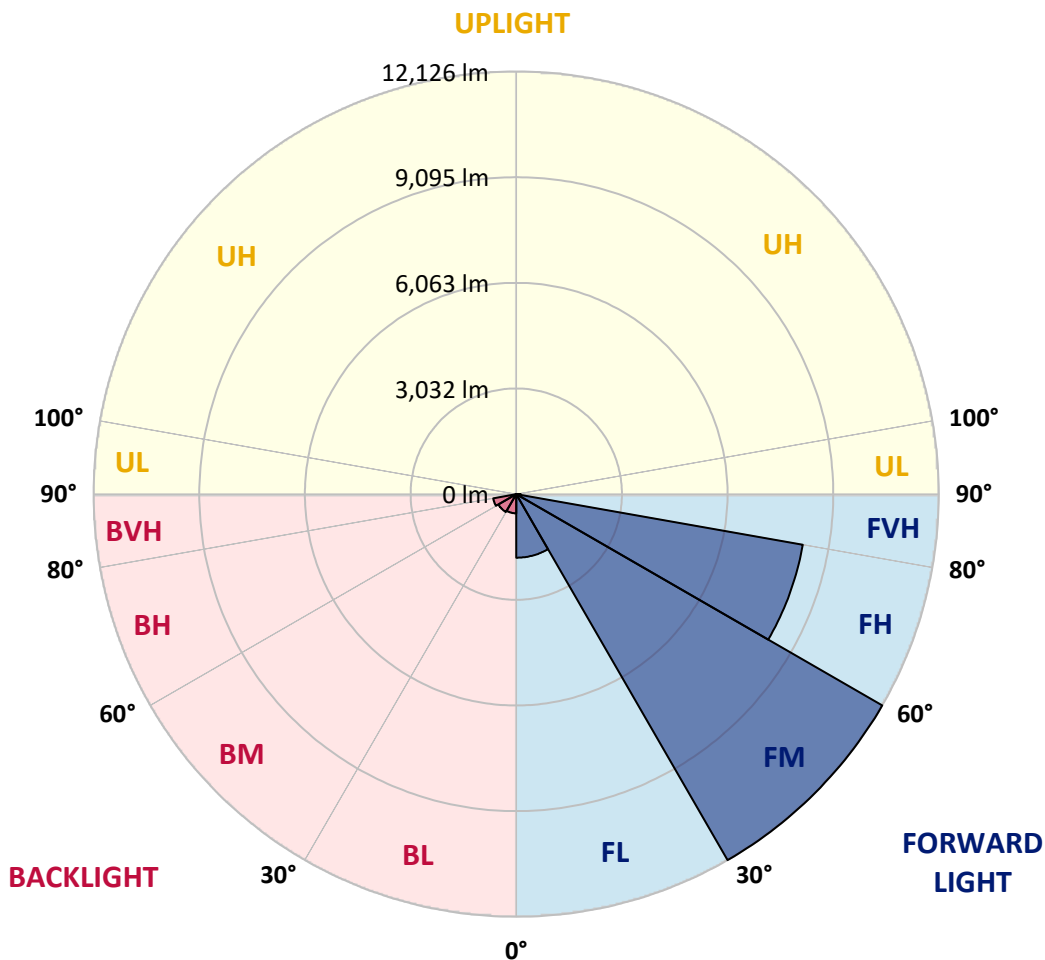
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1824.7	7.5			
FM (30°-60°)	12126.1	50.0			
FH (60°-80°)	8349.0	34.4			G4/12000
FVH (80°-90°)	132.5	0.5			G2/225
BL (0°-30°)	550.7	2.3	B2/1000		
BM (30°-60°)	591.9	2.4	B1/1000		
BH (60°-80°)	671.3	2.8	B2/1000		G2/1000
BVH (80°-90°)	7.1	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4
2.5°	3417.5	3413.7	3398.8	3372.6	3339.0	3327.7	3279.1	3211.8	3174.4	3133.3	3114.6
5°	3653.0	3634.3	3679.2	3660.5	3668.0	3578.3	3518.4	3469.8	3327.7	3271.7	3181.9
7.5°	3705.4	3724.1	3720.3	3750.3	3780.2	3813.8	3772.7	3701.6	3559.6	3477.3	3380.1
10°	3705.4	3697.9	3727.8	3769.0	3854.9	3929.7	4041.9	3948.4	3840.0	3742.8	3567.0
12.5°	3638.1	3626.9	3656.8	3742.8	3896.1	4049.4	4172.8	4262.5	4109.2	4030.7	3802.6
15°	3432.4	3421.2	3544.6	3697.9	3899.8	4150.3	4408.3	4554.1	4449.5	4326.1	4071.8
17.5°	3178.2	3193.1	3324.0	3578.3	3899.8	4198.9	4528.0	4845.8	4830.8	4673.8	4408.3
20°	3092.2	3103.4	3234.3	3417.5	3783.9	4232.6	4714.9	5163.6	5253.4	5066.4	4718.7
22.5°	3256.7	3245.5	3256.7	3368.9	3705.4	4202.7	4838.3	5526.3	5687.1	5541.3	5126.2
25°	3817.6	3810.1	3716.6	3544.6	3660.5	4135.4	4901.9	5765.6	6135.8	6001.2	5455.3
27.5°	4640.1	4610.2	4464.4	4105.5	3869.9	4176.5	5006.6	5997.4	6528.4	6375.1	5750.6
30°	5522.6	5451.5	5260.8	4812.1	4412.1	4329.8	5066.4	6169.4	6965.8	6771.4	6008.6
32.5°	6132.0	6225.5	6165.7	5709.5	5096.3	4685.0	5163.6	6386.3	7369.6	7242.5	6449.8
35°	7074.3	7182.7	6932.2	6528.4	5911.4	5249.6	5369.3	6562.0	7990.3	7777.2	6861.1
37.5°	8263.3	8345.5	8166.1	7399.6	6749.0	5945.1	5791.8	6928.4	8525.0	8424.1	7388.3
40°	8861.5	9257.9	9003.6	8311.9	7612.7	6917.2	6491.0	7358.4	9456.0	9373.8	8117.5
42.5°	9687.9	9886.0	9755.2	9242.9	8513.8	7956.7	7354.7	8196.0	10585.2	10585.2	9104.6
45°	10562.8	10570.3	10562.8	10144.0	9497.2	9209.3	8521.3	9246.6	11800.4	11935.0	10286.1
47.5°	11280.7	11505.0	11486.3	11235.8	10734.8	10626.3	9687.9	10443.1	13325.9	13561.5	11437.7
50°	11650.8	11901.4	11976.1	12107.0	12084.6	12312.7	10962.9	11830.3	14642.1	15221.6	12918.4
52.5°	11549.9	11568.6	12028.5	12544.5	13367.1	14006.4	12499.6	13404.5	16182.6	16754.6	14062.5
55°	10723.6	10652.5	11598.5	12189.3	13890.5	15042.2	14627.1	15367.5	17382.8	18254.0	15244.1
57.5°	8910.1	8928.8	9803.8	11004.0	13501.7	15453.4	16900.5	17932.4	19065.4	19944.0	16904.2
60°	6150.7	6128.3	7107.9	8495.1	11217.1	14686.9	18209.1	21256.4	21316.3	22561.4	19884.2
62.5°	3458.6	3466.1	4210.2	5395.4	7848.2	12002.3	18145.6	24786.1	24531.8	25623.6	23271.8
65°	1959.3	2007.9	2520.1	3196.9	4700.0	8057.6	15606.7	26192.0	27010.8	27983.0	25328.3
66°	1656.4	1690.0	2127.5	2639.8	3750.3	6535.8	14047.6	25919.0	27788.5	28528.9	25287.1
67.5°	1282.5	1327.4	1693.8	2093.9	2751.9	4524.2	11306.9	24561.7	27930.6	28364.4	24573.0
70°	878.7	908.6	1189.0	1589.1	1880.7	2314.5	6760.2	20306.7	25343.2	25709.6	21357.4
72.5°	616.9	631.9	833.8	1204.0	1447.0	1323.6	3353.9	14447.6	19394.4	20108.6	16612.6
75°	444.9	459.9	572.1	863.7	1129.2	867.5	1536.7	9227.9	11893.9	12454.7	10005.7
77.5°	321.6	340.3	388.9	557.1	818.8	609.5	755.3	4819.6	5608.6	5511.3	4303.6
80°	194.4	213.1	287.9	358.9	598.2	430.0	415.0	2011.6	1989.2	1888.2	1353.5
82.5°	89.7	104.7	153.3	243.0	418.8	299.1	198.2	717.9	628.2	575.8	381.4
85°	26.2	33.7	89.7	183.2	213.1	145.8	119.6	246.8	258.0	220.6	127.1
87.5°	0.0	3.7	41.1	44.9	63.6	48.6	44.9	63.6	119.6	97.2	41.1
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°	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4	3017.4
2.5°	3047.3	3021.1	2957.6	2860.4	2774.4	2729.5	2665.9	2609.8	2579.9	2576.2	2572.5
5°	3122.1	3051.1	2897.8	2722.0	2591.2	2449.1	2351.9	2280.8	2213.5	2149.9	2187.3
7.5°	3223.1	3110.9	2860.4	2632.3	2348.1	2164.9	1992.9	1892.0	1832.1	1776.0	1768.6
10°	3380.1	3238.0	2834.2	2422.9	2097.6	1828.4	1652.7	1506.8	1424.6	1327.4	1364.7
12.5°	3593.2	3339.0	2737.0	2232.2	1813.4	1529.3	1278.8	1043.2	912.3	811.4	815.1
15°	3806.3	3473.6	2647.2	2000.4	1555.4	1181.5	815.1	654.3	616.9	594.5	602.0
17.5°	4015.7	3582.0	2508.9	1764.8	1260.1	751.5	594.5	560.9	542.2	519.7	519.7
20°	4270.0	3653.0	2336.9	1548.0	867.5	557.1	508.5	486.1	456.2	426.3	430.0
22.5°	4516.8	3712.9	2138.7	1271.3	583.3	482.3	426.3	396.3	370.2	340.3	340.3
25°	4763.5	3731.6	1880.7	912.3	471.1	385.1	332.8	291.6	265.5	239.3	243.0
27.5°	4931.8	3615.7	1637.7	583.3	377.6	291.6	231.8	198.2	175.7	149.6	149.6
30°	5029.0	3402.5	1376.0	411.3	284.2	198.2	138.3	104.7	82.3	63.6	59.8
32.5°	5126.2	3230.5	1080.6	314.1	187.0	104.7	52.3	18.7	0.0	0.0	0.0
35°	5320.7	3036.1	725.4	175.7	63.6	3.7	0.0	0.0	0.0	0.0	0.0
37.5°	5444.0	2766.9	332.8	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5754.4	2632.3	82.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6259.2	2538.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6812.5	2501.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7549.1	2602.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8326.8	2875.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9179.3	3133.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9923.4	3443.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	11291.9	4176.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13748.4	5616.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	16515.3	6685.4	41.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	17528.6	6659.2	71.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	17349.1	6292.8	71.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	16418.1	5589.9	63.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	14099.9	4617.7	63.6	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	10749.7	3597.0	59.8	15.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	6487.2	1914.4	48.6	18.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2583.7	673.0	37.4	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	699.2	201.9	22.4	15.0	11.2	3.7	0.0	0.0	0.0	0.0	0.0
82.5°	183.2	74.8	18.7	15.0	7.5	3.7	0.0	0.0	0.0	0.0	0.0
85°	71.0	29.9	15.0	11.2	11.2	7.5	3.7	0.0	0.0	0.0	0.0
87.5°	22.4	11.2	11.2	7.5	7.5	3.7	3.7	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)