

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: P481527

Luminaire Tested: **IFLD-S-SA6C-722-U-T2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481527  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-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**

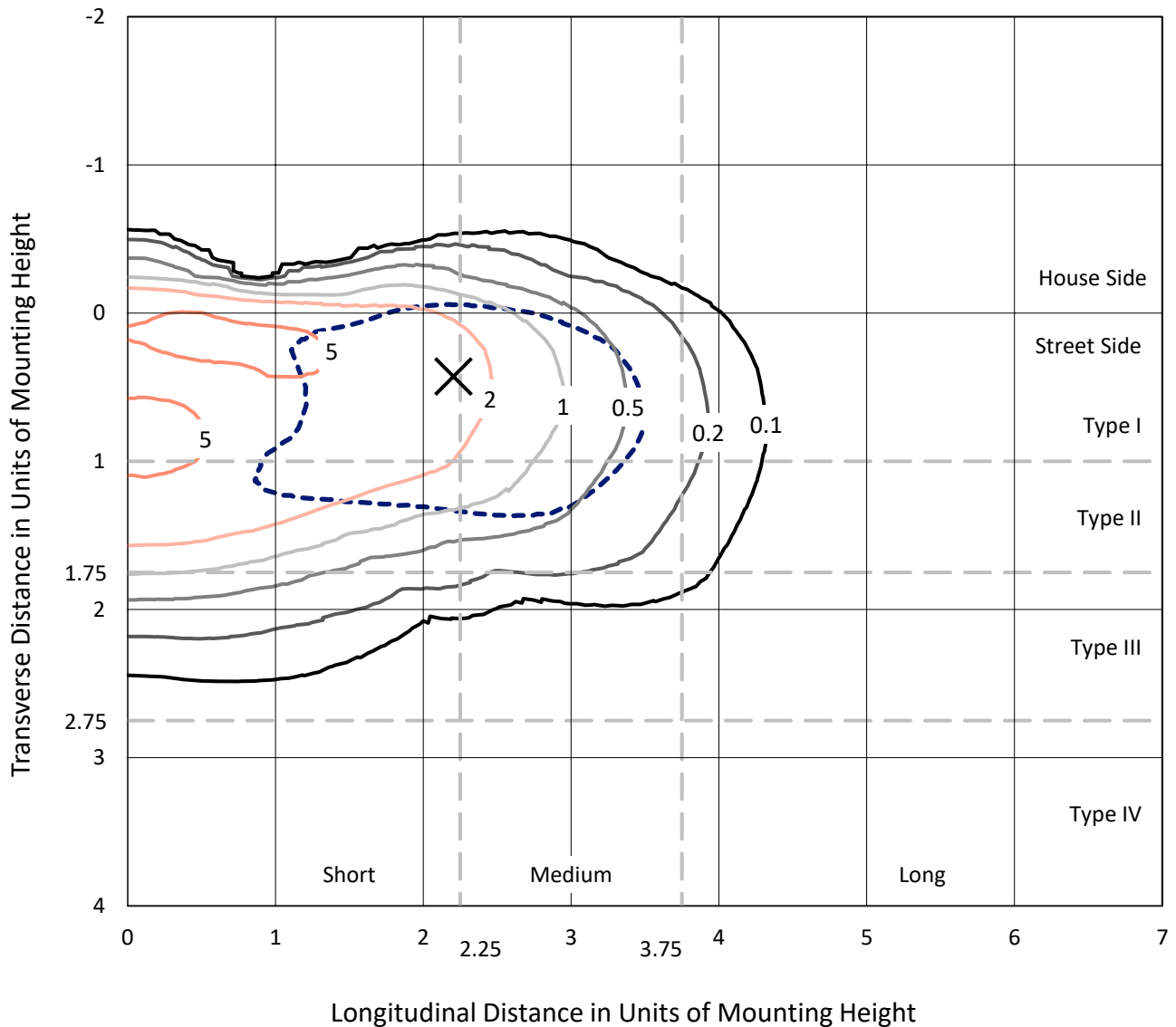
Lumens per Lamp: N/A  
Luminaire Lumens: 22041.3 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5  
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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 CATALOG NUMBER: IFLD-S-SA6C-722-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

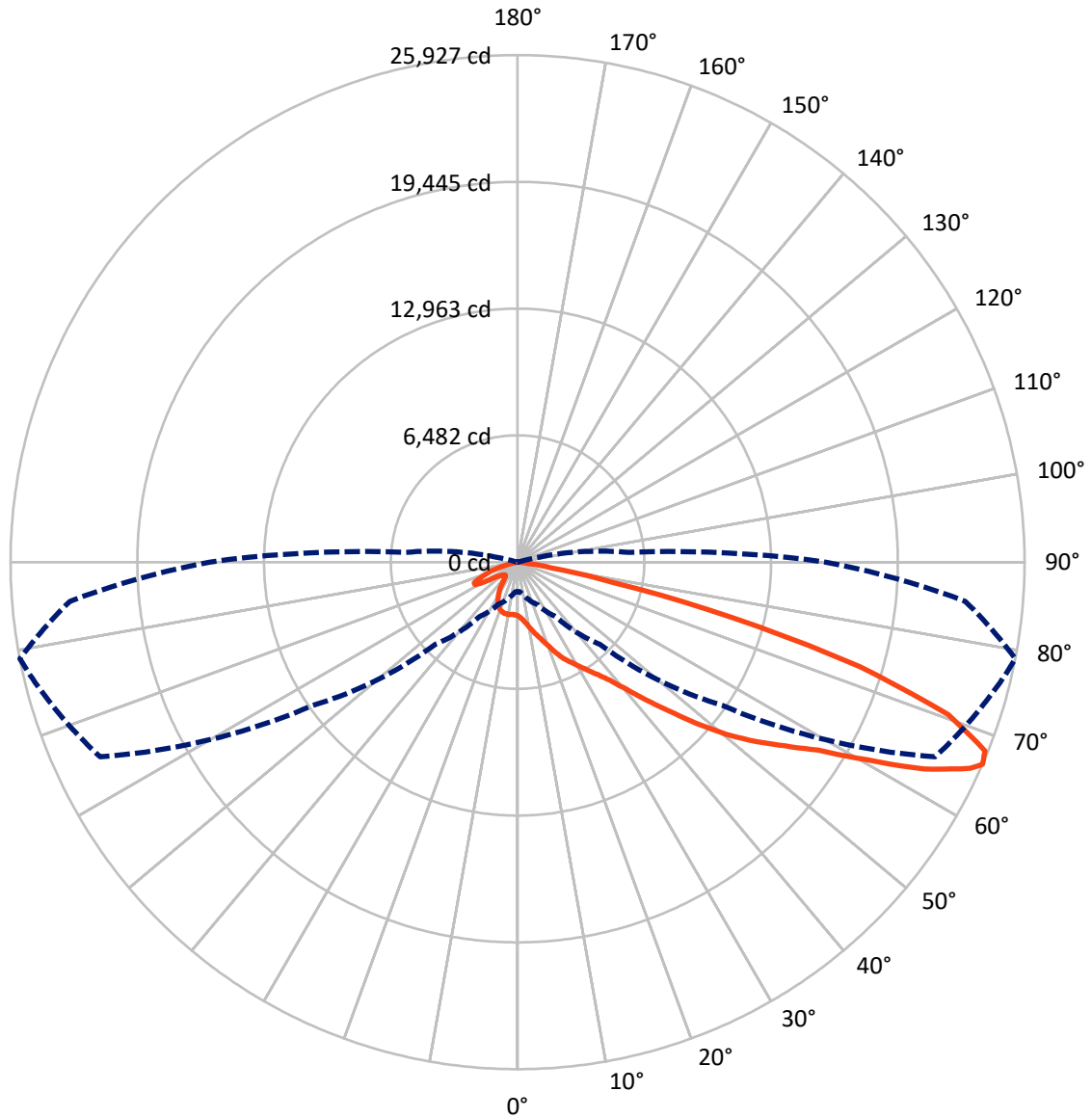
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P481527  
CATALOG NUMBER: IFLD-S-SA6C-722-U-T2-HSS

### 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	1655.0	0.0	1655.0
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	20386.3	0.0	20386.3
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	22041.3	0.0	22041.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.3	1.2
10°-20°	713.7	3.2
20°-30°	1185.7	5.4
30°-40°	2036.6	9.2
40°-50°	3689.5	16.7
50°-60°	5832.0	26.5
60°-70°	5934.5	26.9
70°-80°	2263.1	10.3
80°-90°	126.9	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°	22041.3	100.0
0°-180°	22041.3	100.0

**Coefficient of Utilization**



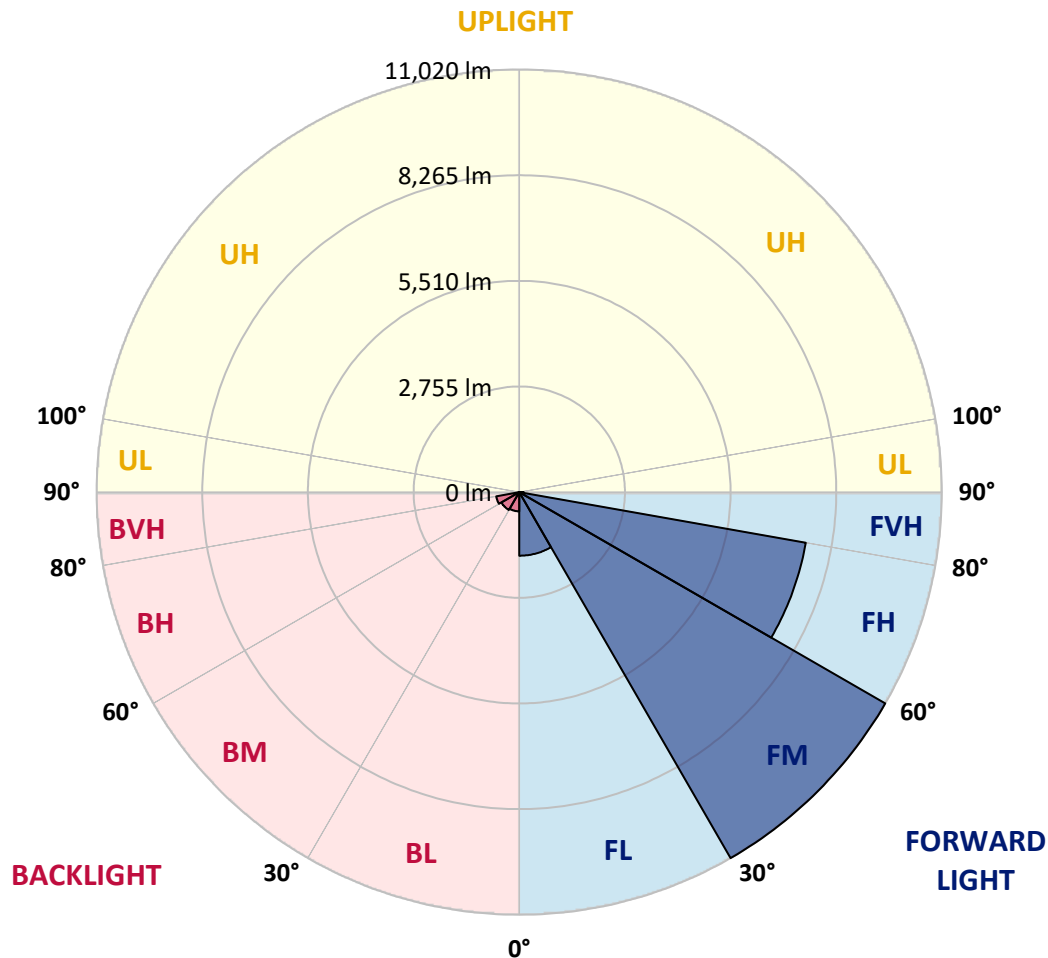
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 CATALOG NUMBER: IFLD-S-SA6C-722-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1658.2	7.5			
FM (30°-60°)	11020.2	50.0			
FH (60°-80°)	7587.5	34.4			G4/12000
FVH (80°-90°)	120.4	0.5			G2/225
BL (0°-30°)	500.5	2.3	B2/1000		
BM (30°-60°)	537.9	2.4	B1/1000		
BH (60°-80°)	610.1	2.8	B2/1000		G2/1000
BVH (80°-90°)	6.5	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





REPORT NUMBER: P481527  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2
2.5°	3105.8	3102.4	3088.8	3065.0	3034.4	3024.2	2980.1	2918.9	2884.9	2847.5	2830.6
5°	3319.9	3302.9	3343.7	3326.7	3333.5	3251.9	3197.5	3153.4	3024.2	2973.3	2891.7
7.5°	3367.4	3384.4	3381.0	3408.2	3435.4	3466.0	3428.6	3364.0	3234.9	3160.2	3071.8
10°	3367.4	3360.6	3387.8	3425.2	3503.4	3571.3	3673.3	3588.3	3489.8	3401.4	3241.7
12.5°	3306.3	3296.1	3323.3	3401.4	3540.7	3680.1	3792.2	3873.7	3734.4	3663.1	3455.8
15°	3119.4	3109.2	3221.3	3360.6	3544.1	3771.8	4006.3	4138.8	4043.6	3931.5	3700.4
17.5°	2888.3	2901.9	3020.8	3251.9	3544.1	3816.0	4115.0	4403.8	4390.2	4247.5	4006.3
20°	2810.2	2820.4	2939.3	3105.8	3438.8	3846.6	4284.9	4692.7	4774.2	4604.3	4288.3
22.5°	2959.7	2949.5	2959.7	3061.6	3367.4	3819.4	4397.0	5022.3	5168.4	5035.9	4658.7
25°	3469.4	3462.6	3377.6	3221.3	3326.7	3758.2	4454.8	5239.8	5576.2	5453.8	4957.7
27.5°	4216.9	4189.8	4057.2	3731.0	3517.0	3795.6	4550.0	5450.4	5932.9	5793.6	5226.2
30°	5018.9	4954.3	4781.0	4373.3	4009.7	3934.9	4604.3	5606.7	6330.5	6153.8	5460.6
32.5°	5572.8	5657.7	5603.3	5188.8	4631.5	4257.7	4692.7	5803.8	6697.5	6582.0	5861.6
35°	6429.1	6527.6	6299.9	5932.9	5372.3	4770.8	4879.6	5963.5	7261.6	7067.9	6235.4
37.5°	7509.6	7584.4	7421.3	6724.7	6133.4	5402.9	5263.5	6296.5	7747.5	7655.7	6714.5
40°	8053.3	8413.5	8182.4	7553.8	6918.4	6286.3	5899.0	6687.3	8593.6	8518.8	7377.1
42.5°	8804.3	8984.4	8865.4	8399.9	7737.3	7231.0	6683.9	7448.5	9619.8	9619.8	8274.2
45°	9599.4	9606.2	9599.4	9218.8	8631.0	8369.3	7744.1	8403.3	10724.2	10846.5	9348.0
47.5°	10251.8	10455.7	10438.7	10211.1	9755.7	9657.2	8804.3	9490.7	12110.6	12324.6	10394.6
50°	10588.2	10815.9	10883.9	11002.8	10982.4	11189.7	9963.0	10751.3	13306.7	13833.4	11740.2
52.5°	10496.5	10513.5	10931.4	11400.4	12147.9	12729.0	11359.6	12181.9	14706.6	15226.5	12780.0
55°	9745.5	9681.0	10540.7	11077.6	12623.7	13670.2	13293.1	13965.9	15797.4	16589.2	13853.7
57.5°	8097.5	8114.5	8909.6	10000.4	12270.3	14044.0	15359.1	16296.9	17326.5	18125.1	15362.5
60°	5589.7	5569.4	6459.6	7720.3	10194.1	13347.4	16548.4	19317.8	19372.1	20503.7	18070.7
62.5°	3143.2	3150.0	3826.2	4903.3	7132.5	10907.7	16490.6	22525.5	22294.4	23286.7	21149.3
65°	1780.6	1824.7	2290.3	2905.3	4271.3	7322.7	14183.4	23803.2	24547.3	25430.8	23018.2
66°	1505.3	1535.9	1933.5	2399.0	3408.2	5939.7	12766.4	23555.1	25254.1	25926.9	22980.8
67.5°	1165.5	1206.3	1539.3	1902.9	2500.9	4111.6	10275.6	22321.6	25383.2	25777.4	22331.8
70°	798.5	825.7	1080.6	1444.2	1709.2	2103.4	6143.6	18454.7	23031.8	23364.8	19409.5
72.5°	560.7	574.3	757.8	1094.2	1315.0	1202.9	3048.0	13130.0	17625.5	18274.6	15097.4
75°	404.4	418.0	519.9	784.9	1026.2	788.3	1396.6	8386.3	10809.1	11318.8	9093.1
77.5°	292.2	309.2	353.4	506.3	744.2	553.9	686.4	4380.1	5097.0	5008.7	3911.1
80°	176.7	193.7	261.6	326.2	543.7	390.8	377.2	1828.1	1807.7	1716.0	1230.1
82.5°	81.6	95.1	139.3	220.9	380.6	271.8	180.1	652.4	570.9	523.3	346.6
85°	23.8	30.6	81.6	166.5	193.7	132.5	108.7	224.3	234.5	200.5	115.5
87.5°	0.0	3.4	37.4	40.8	57.8	44.2	40.8	57.8	108.7	88.3	37.4
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: P481527

CATALOG NUMBER: IFLD-S-SA6C-722-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2	2742.2
2.5°	2769.4	2745.6	2687.8	2599.5	2521.3	2480.6	2422.8	2371.8	2344.6	2341.2	2337.8
5°	2837.3	2772.8	2633.5	2473.8	2354.8	2225.7	2137.4	2072.8	2011.6	1953.9	1987.8
7.5°	2929.1	2827.2	2599.5	2392.2	2134.0	1967.5	1811.1	1719.4	1665.0	1614.1	1607.3
10°	3071.8	2942.7	2575.7	2201.9	1906.3	1661.6	1501.9	1369.4	1294.6	1206.3	1240.3
12.5°	3265.5	3034.4	2487.4	2028.6	1648.0	1389.8	1162.1	948.0	829.1	737.4	740.8
15°	3459.2	3156.8	2405.8	1817.9	1413.6	1073.8	740.8	594.7	560.7	540.3	547.1
17.5°	3649.5	3255.3	2280.1	1603.9	1145.1	683.0	540.3	509.7	492.7	472.3	472.3
20°	3880.5	3319.9	2123.8	1406.8	788.3	506.3	462.1	441.7	414.6	387.4	390.8
22.5°	4104.8	3374.2	1943.7	1155.3	530.1	438.3	387.4	360.2	336.4	309.2	309.2
25°	4329.1	3391.2	1709.2	829.1	428.2	350.0	302.4	265.0	241.3	217.5	220.9
27.5°	4482.0	3285.9	1488.3	530.1	343.2	265.0	210.7	180.1	159.7	135.9	135.9
30°	4570.3	3092.2	1250.5	373.8	258.2	180.1	125.7	95.1	74.8	57.8	54.4
32.5°	4658.7	2935.9	982.0	285.4	169.9	95.1	47.6	17.0	0.0	0.0	0.0
35°	4835.4	2759.2	659.2	159.7	57.8	3.4	0.0	0.0	0.0	0.0	0.0
37.5°	4947.5	2514.5	302.4	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5229.6	2392.2	74.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5688.3	2307.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6191.2	2273.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6860.6	2365.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	7567.4	2613.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8342.1	2847.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9018.4	3129.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	10262.0	3795.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	12494.5	5103.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	15009.1	6075.7	37.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	15929.9	6051.9	64.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	15766.8	5718.9	64.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	14920.7	5080.0	57.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	12813.9	4196.6	57.8	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	9769.3	3268.9	54.4	13.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	5895.6	1739.8	44.2	17.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2348.0	611.6	34.0	13.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	635.4	183.5	20.4	13.6	10.2	3.4	0.0	0.0	0.0	0.0	0.0
82.5°	166.5	68.0	17.0	13.6	6.8	3.4	0.0	0.0	0.0	0.0	0.0
85°	64.6	27.2	13.6	10.2	10.2	6.8	3.4	0.0	0.0	0.0	0.0
87.5°	20.4	10.2	10.2	6.8	6.8	3.4	3.4	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)