

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: P482775

Luminaire Tested: **IFLD-S-SA6C-730-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482775
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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

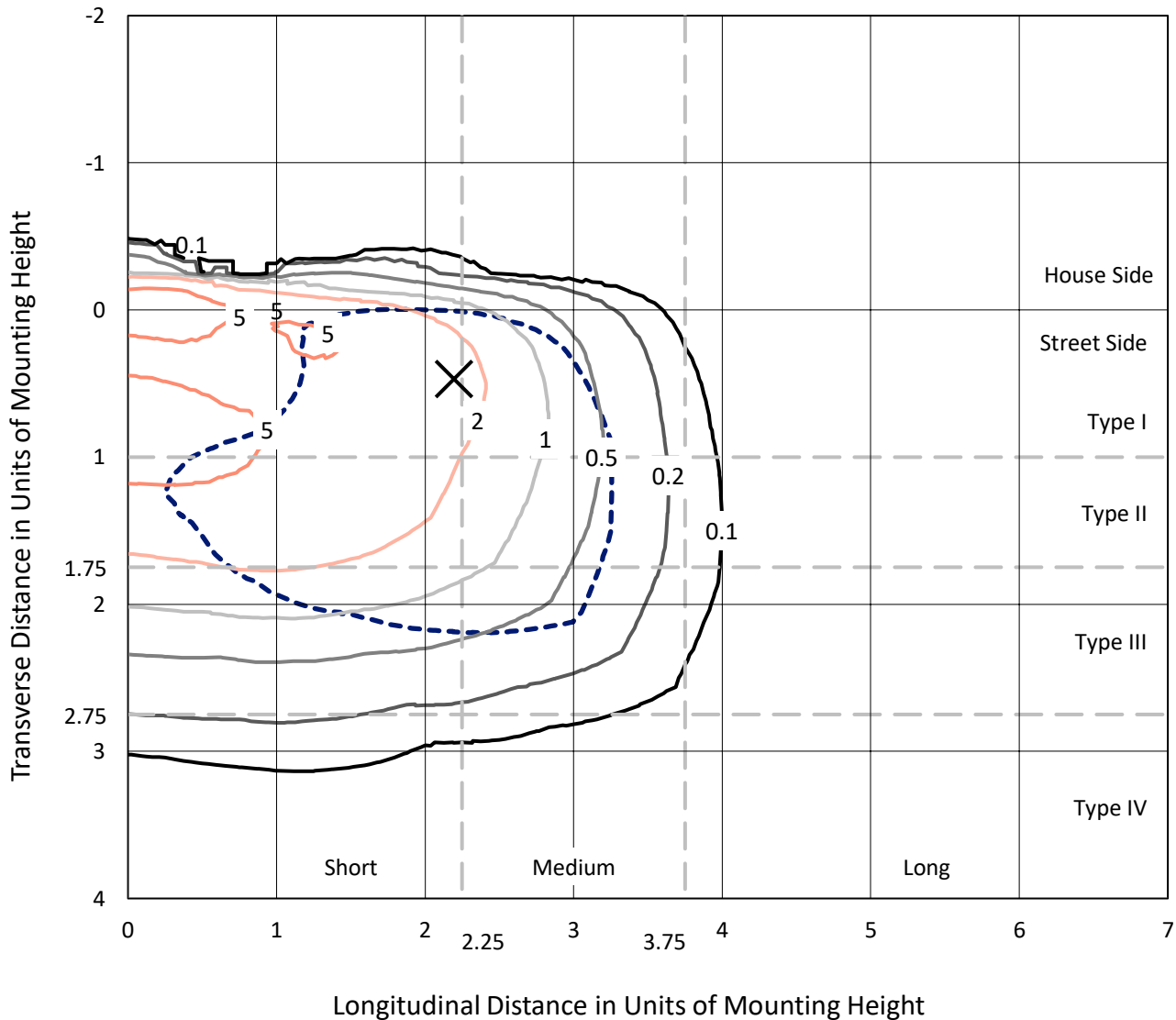
Lumens per Lamp: N/A
Luminaire Lumens: 27122.4 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (A_{in}): 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

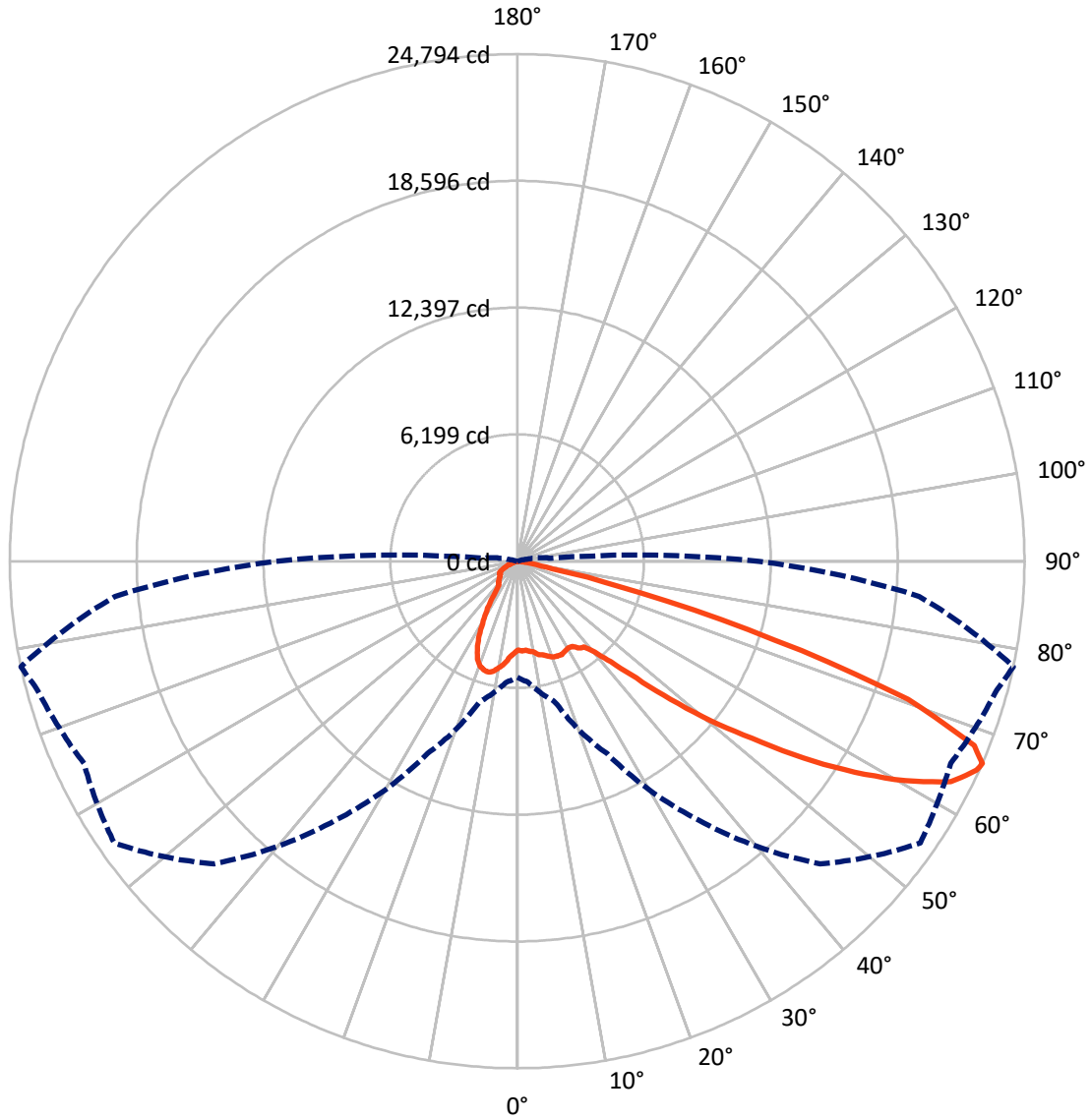
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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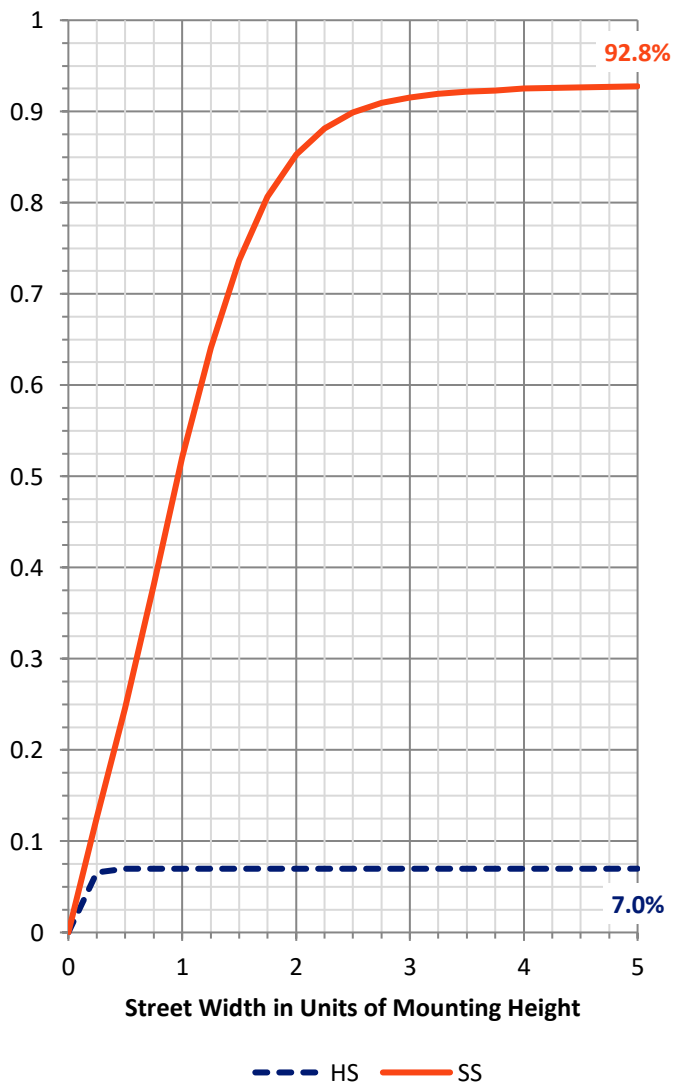
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1906.8	0.0	1906.8
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	25215.5	0.0	25215.5
	% Fixture	93.0	0.0	93.0
Total	Lumens	27122.4	0.0	27122.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.4	1.5
10°-20°	897.1	3.3
20°-30°	1282.3	4.7
30°-40°	2194.9	8.1
40°-50°	3961.6	14.6
50°-60°	6774.8	25.0
60°-70°	8338.6	30.7
70°-80°	3152.5	11.6
80°-90°	123.1	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°	27122.4	100.0
0°-180°	27122.4	100.0

Coefficient of Utilization

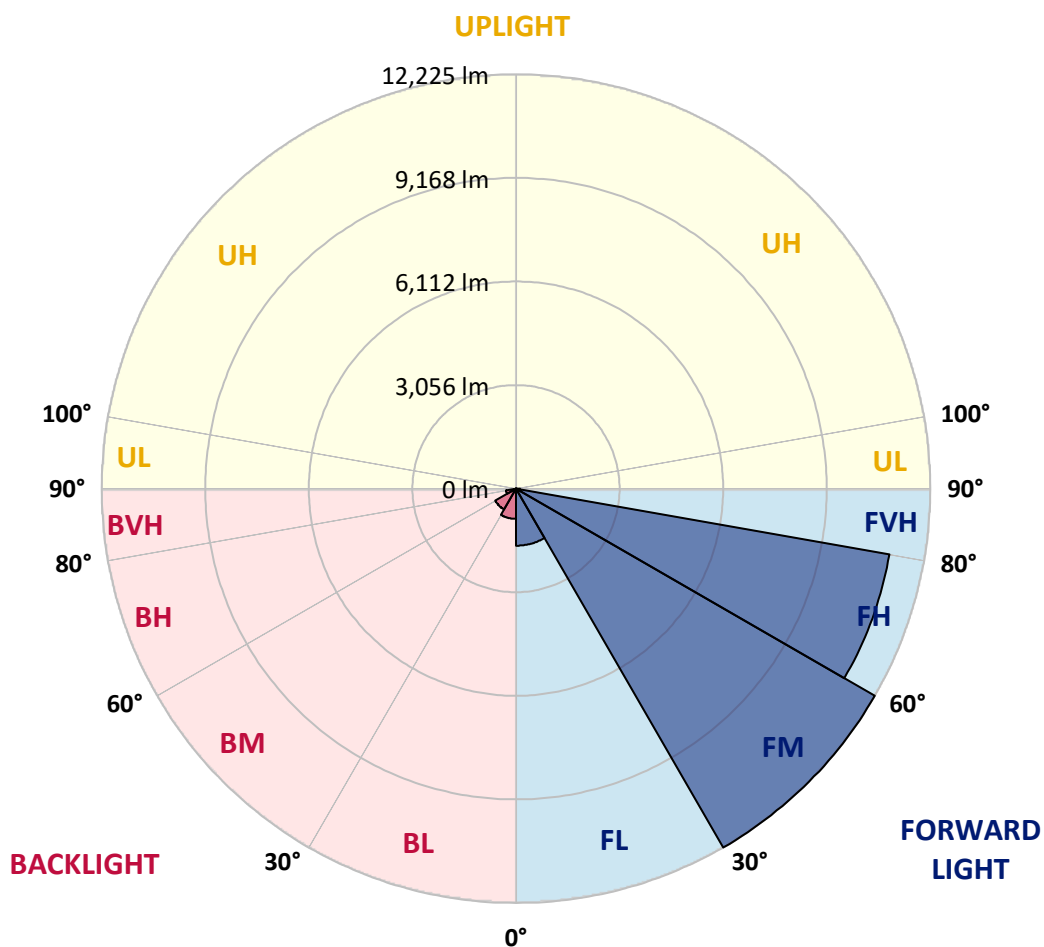


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1683.8	6.2			
FM (30°-60°)	12224.6	45.1			
FH (60°-80°)	11189.0	41.3			G4/12000
FVH (80°-90°)	118.2	0.4			G2/225
BL (0°-30°)	893.0	3.3	B2/1000		
BM (30°-60°)	706.7	2.6	B1/1000		
BH (60°-80°)	302.1	1.1	B1/500		G1/500
BVH (80°-90°)	4.9	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°	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1
2.5°	3995.8	3958.9	3995.8	4049.0	4077.7	4102.3	4188.4	4262.2	4340.0	4393.3	4376.9
5°	3704.8	3774.5	3782.7	3799.1	3844.1	3991.7	4040.9	4167.9	4360.5	4376.9	4450.7
7.5°	3475.3	3454.8	3508.1	3614.6	3729.4	3815.4	3958.9	4180.2	4381.0	4450.7	4594.1
10°	3143.3	3184.3	3241.7	3348.3	3487.6	3700.7	3954.8	4200.7	4487.6	4512.1	4778.5
12.5°	2963.0	2922.0	3012.2	3122.8	3360.5	3557.3	3868.7	4163.8	4553.1	4688.4	4995.7
15°	2815.5	2836.0	2922.0	2995.8	3192.5	3442.5	3807.3	4254.0	4663.8	4758.0	5225.2
17.5°	2754.0	2741.7	2807.3	2881.1	3122.8	3405.6	3782.7	4258.1	4762.1	4885.1	5381.0
20°	2782.7	2807.3	2786.8	2856.5	3008.1	3295.0	3819.5	4335.9	4835.9	5003.9	5549.0
22.5°	3233.5	3200.7	3036.8	2905.6	2913.8	3249.9	3790.9	4385.1	4901.5	5036.7	5663.7
25°	4409.7	4233.5	3827.7	3323.7	2991.7	3126.9	3758.1	4368.7	4889.2	5057.2	5733.4
27.5°	5594.1	5442.4	5044.9	4262.2	3307.3	3077.8	3643.3	4381.0	4827.7	4983.4	5618.7
30°	6844.0	6926.0	6335.9	5405.6	4135.1	3348.3	3569.6	4315.4	4786.7	4917.9	5643.3
32.5°	8126.8	8094.0	7737.5	6729.3	5319.5	3946.6	3688.4	4381.0	4840.0	4967.1	5786.7
35°	9130.8	9016.1	8655.5	7745.6	6299.0	4848.2	4098.2	4692.5	5073.6	5225.2	5991.6
37.5°	9626.7	9675.9	9466.9	8675.9	7372.7	5684.2	4610.5	4692.5	5147.4	5323.6	6323.6
40°	10012.0	10159.5	10081.6	9827.5	8438.2	6626.8	5176.1	4983.4	5520.3	5852.3	6946.5
42.5°	10475.1	10405.4	10864.4	10630.8	9831.6	7815.3	6167.8	5676.0	6401.4	6721.1	7880.9
45°	10721.0	10987.3	11335.7	11634.9	11122.6	9298.9	7462.9	6901.4	7749.7	8155.5	9270.2
47.5°	11352.1	11458.6	12024.2	12401.2	12171.7	10995.5	9430.0	8692.3	9446.4	10085.7	10860.3
50°	11720.9	11577.5	12368.4	12942.2	13073.3	12401.2	11192.3	10618.5	11462.7	12278.3	12348.0
52.5°	11397.2	11807.0	12597.9	13626.6	13991.3	13655.3	13261.9	13011.9	13606.1	14360.2	14024.1
55°	10262.0	10540.6	12466.8	14376.6	15552.8	15397.0	15761.8	15597.9	16196.2	16995.3	15983.1
57.5°	9348.1	9696.4	11389.0	14765.9	17007.6	17466.6	17925.6	17823.2	18544.5	19466.6	17642.9
60°	8778.4	8979.2	10610.3	14667.6	17868.3	19605.9	20642.8	19921.5	21097.7	21802.6	18942.0
62.5°	7790.7	7917.8	9475.1	13364.3	18126.5	21118.2	22876.3	21896.8	22917.3	23777.9	19876.4
65°	6245.7	6589.9	7876.8	11413.6	16421.6	21396.8	24269.7	23118.1	24105.8	24671.3	20159.2
66°	5684.2	5934.2	7114.5	10380.8	15450.3	20933.7	24036.1	23372.2	24277.9	24794.3	19724.8
67.5°	4717.1	4934.3	5872.8	8909.5	13462.7	19913.3	24200.0	23200.1	24409.0	24093.5	19142.8
70°	3122.8	3262.2	4016.3	6024.4	9376.7	16290.5	22446.0	21855.8	21458.3	20273.9	14966.7
72.5°	1459.0	1659.8	2508.1	3651.5	5499.8	11397.2	18302.7	17511.7	15048.7	13155.3	9442.3
75°	659.8	750.0	1377.0	2094.2	2467.1	5905.5	11807.0	10663.6	7491.6	6221.1	4135.1
77.5°	356.5	405.7	672.1	995.9	897.5	2069.6	5844.1	4860.5	2360.6	1729.5	1200.8
80°	274.6	323.8	561.5	569.7	332.0	536.9	2172.1	1504.0	590.1	446.7	286.9
82.5°	143.4	204.9	442.6	368.8	168.0	217.2	672.1	418.0	184.4	147.5	122.9
85°	57.4	90.2	250.0	245.9	98.4	73.8	188.5	127.0	73.8	61.5	57.4
87.5°	4.1	4.1	135.2	94.3	61.5	20.5	28.7	28.7	36.9	32.8	41.0
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°	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1
2.5°	4450.7	4499.9	4508.0	4643.3	4672.0	4643.3	4717.1	4704.8	4737.6	4713.0	4667.9
5°	4553.1	4622.8	4758.0	4860.5	4860.5	4778.5	4713.0	4626.9	4499.9	4467.1	4442.5
7.5°	4729.4	4950.7	5073.6	5008.0	4876.9	4569.5	4143.3	3831.8	3569.6	3471.2	3426.1
10°	5040.8	5163.8	5307.2	5040.8	4495.8	3844.1	3126.9	2655.7	2286.8	2204.8	2143.4
12.5°	5241.6	5438.3	5520.3	4860.5	3790.9	2819.6	2040.9	1508.1	1250.0	1053.2	1020.5
15°	5503.9	5729.3	5561.3	4372.8	2987.6	1848.3	1057.3	659.8	536.9	504.1	504.1
17.5°	5684.2	5930.1	5393.3	3766.3	2118.8	983.6	524.6	454.9	446.7	450.8	442.6
20°	5999.8	6147.3	5139.2	3061.4	1266.4	504.1	422.1	405.7	397.5	409.8	401.6
22.5°	6118.7	6253.9	4725.3	2217.1	569.7	336.1	315.6	303.3	311.5	307.4	303.3
25°	6110.5	6180.1	4044.9	1270.5	168.0	131.1	118.8	118.8	110.7	114.8	110.7
27.5°	6171.9	5999.8	3282.7	377.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	6204.7	5708.8	2336.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6221.1	5557.2	1504.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6348.2	5253.9	643.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6434.2	4864.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6790.8	4741.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7253.9	4512.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	7897.3	4172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8749.7	3971.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	9384.9	3655.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	10192.3	3467.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11151.3	3475.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	12024.2	3417.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	12470.9	2922.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	12376.6	2364.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	12048.8	1856.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	11823.4	1643.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	11139.0	1315.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	8864.5	901.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	5639.2	553.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2598.3	254.1	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	815.5	155.7	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	213.1	98.4	32.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	110.7	69.7	28.7	12.3	8.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	69.7	28.7	12.3	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	61.5	16.4	8.2	8.2	4.1	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)