

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: P482785

Luminaire Tested: **IFLD-L-SA7C-730-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482785
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-730-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

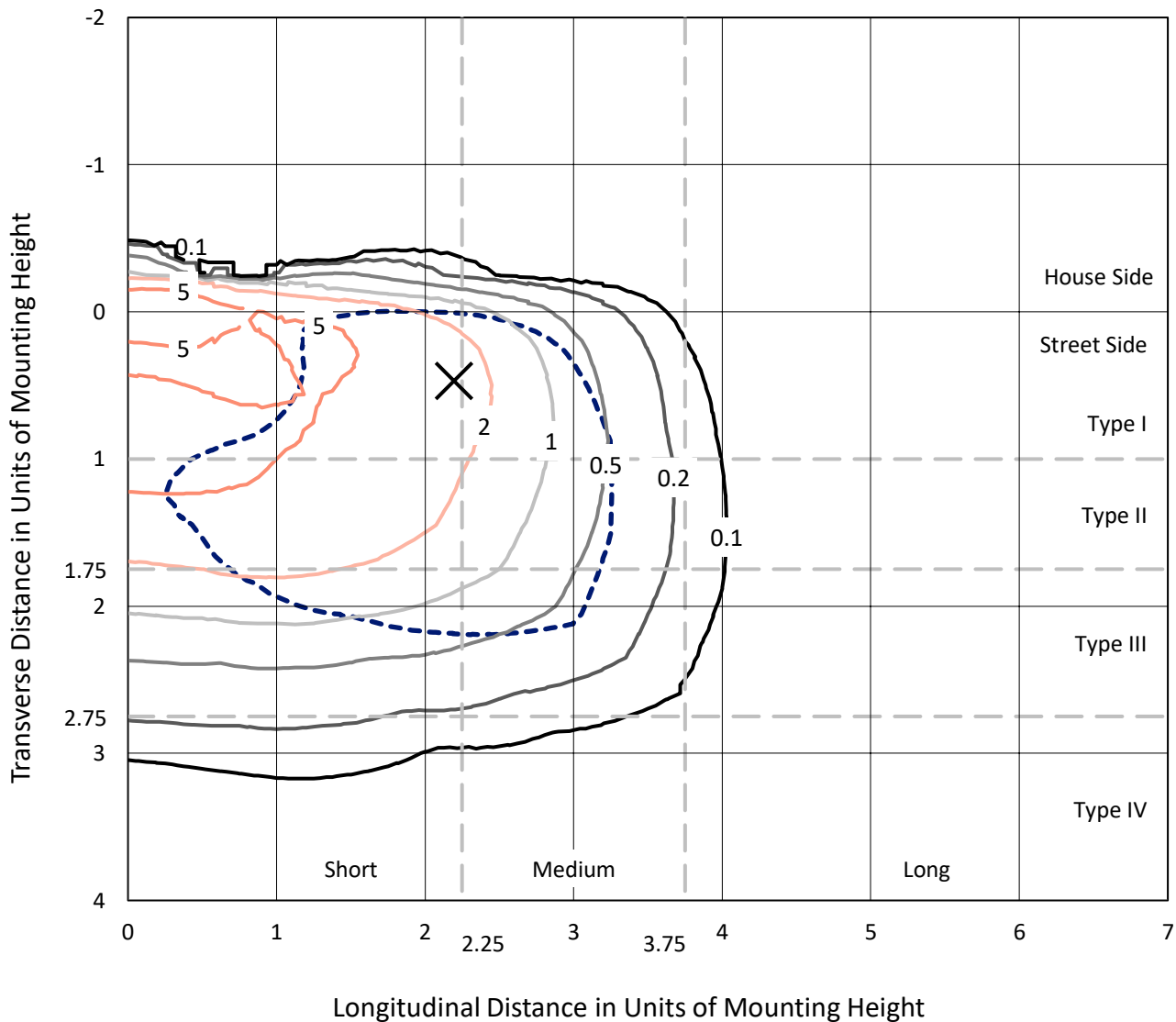
Lumens per Lamp: N/A
Luminaire Lumens: 28936.3 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 369
Input Voltage (V): 120
Input Current (A_{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

REPORT NUMBER: P482785
 CATALOG NUMBER: IFLD-L-SA7C-730-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

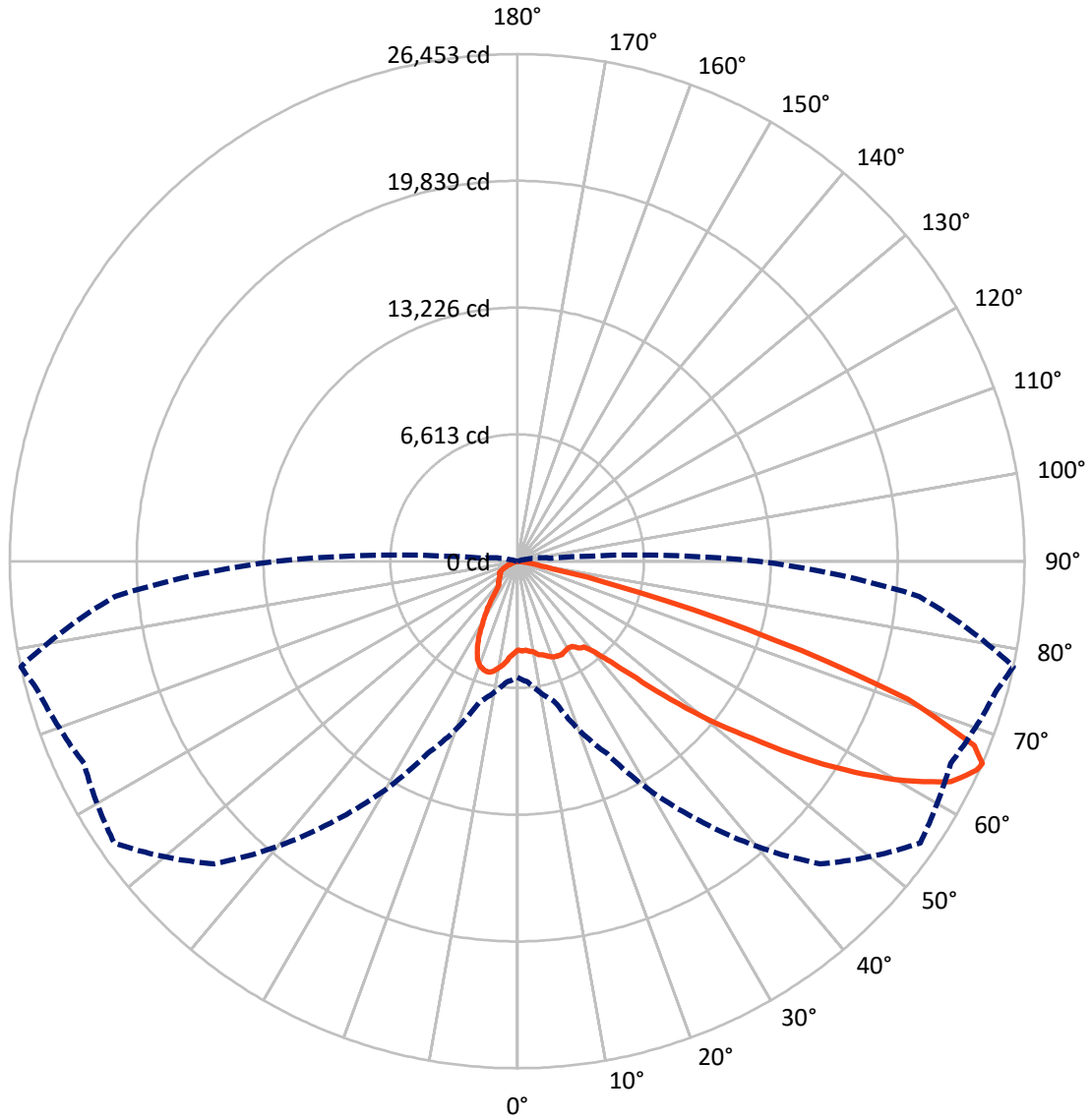
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

REPORT NUMBER: P482785
CATALOG NUMBER: IFLD-L-SA7C-730-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P482785
 CATALOG NUMBER: IFLD-L-SA7C-730-U-T3R-HSS

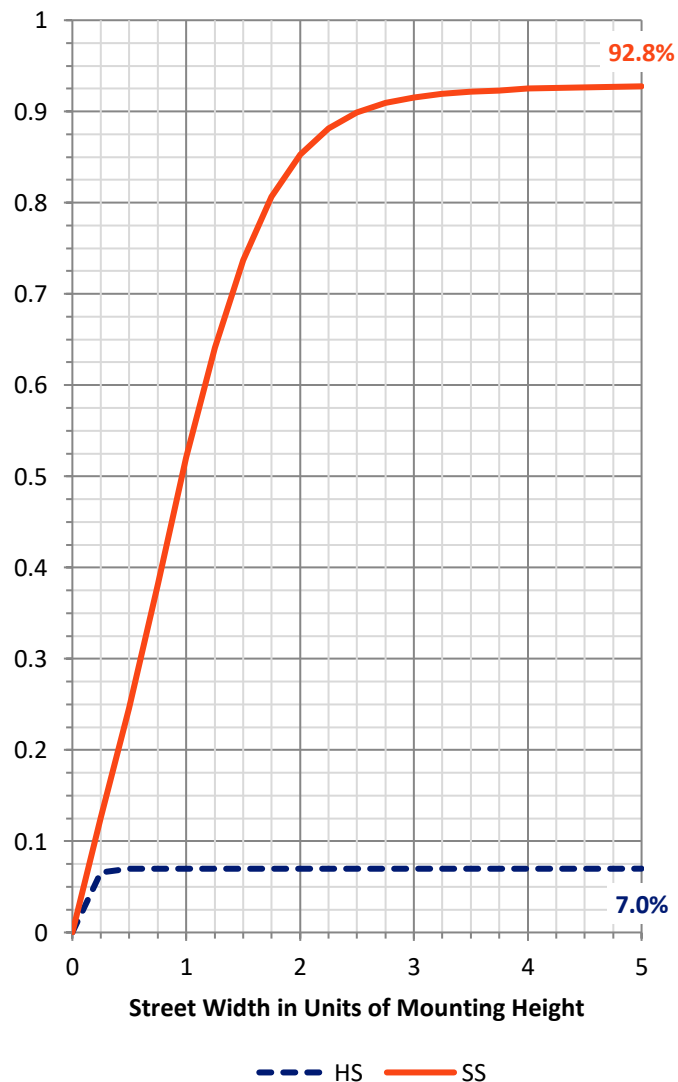
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2034.4	0.0	2034.4
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	26902.0	0.0	26902.0
	% Fixture	93.0	0.0	93.0
Total	Lumens	28936.3	0.0	28936.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.0	1.5
10°-20°	957.1	3.3
20°-30°	1368.0	4.7
30°-40°	2341.7	8.1
40°-50°	4226.5	14.6
50°-60°	7227.9	25.0
60°-70°	8896.3	30.7
70°-80°	3363.3	11.6
80°-90°	131.4	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°	28936.3	100.0
0°-180°	28936.3	100.0

Coefficient of Utilization

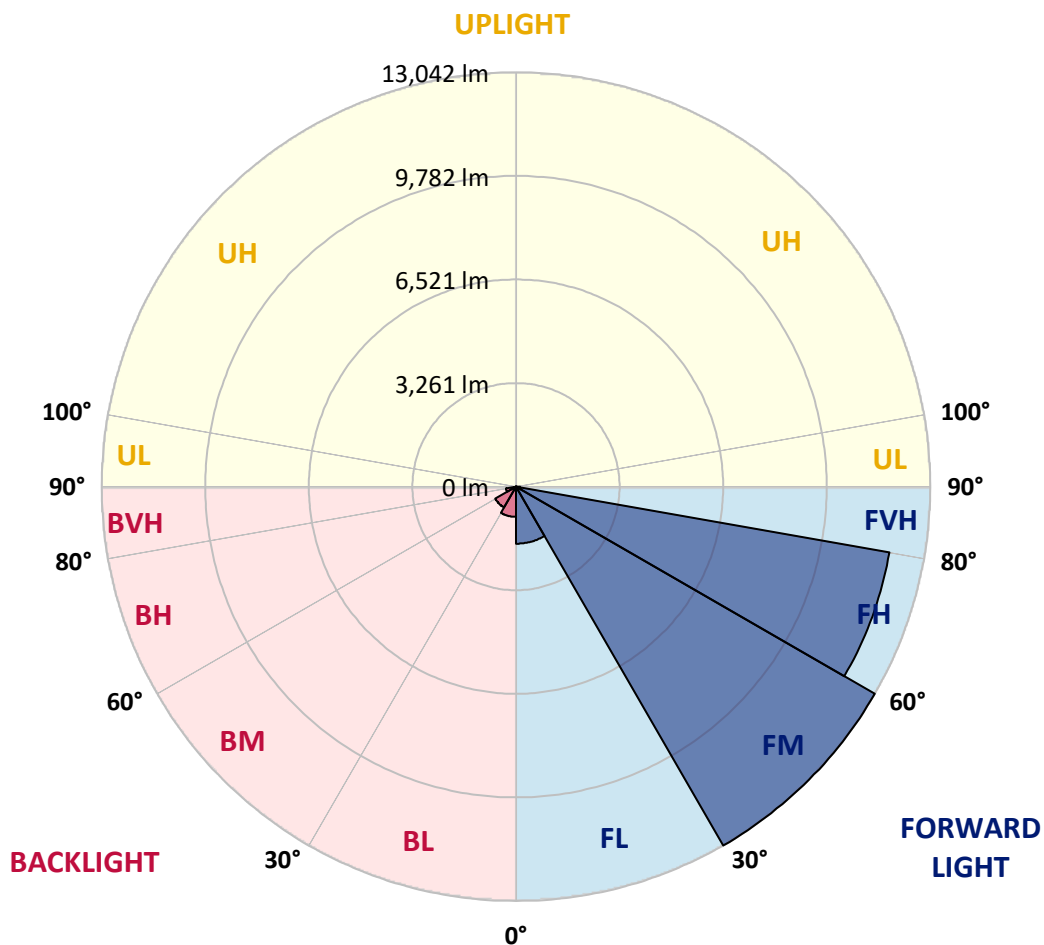


REPORT NUMBER: P482785
 CATALOG NUMBER: IFLD-L-SA7C-730-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1796.4	6.2			
FM (30°-60°)	13042.2	45.1			
FH (60°-80°)	11937.3	41.3			G4/12000
FVH (80°-90°)	126.1	0.4			G2/225
BL (0°-30°)	952.8	3.3	B2/1000		
BM (30°-60°)	754.0	2.6	B1/1000		
BH (60°-80°)	322.3	1.1	B1/500		G1/500
BVH (80°-90°)	5.3	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





REPORT NUMBER: P482785

CATALOG NUMBER: IFLD-L-SA7C-730-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7
2.5°	4263.0	4223.7	4263.0	4319.9	4350.5	4376.7	4468.5	4547.2	4630.3	4687.1	4669.6
5°	3952.6	4026.9	4035.7	4053.1	4101.2	4258.6	4311.1	4446.7	4652.1	4669.6	4748.3
7.5°	3707.7	3685.9	3742.7	3856.4	3978.8	4070.6	4223.7	4459.8	4674.0	4748.3	4901.4
10°	3353.6	3397.3	3458.5	3572.2	3720.8	3948.2	4219.3	4481.6	4787.7	4813.9	5098.1
12.5°	3161.2	3117.5	3213.7	3331.7	3585.3	3795.2	4127.5	4442.3	4857.6	5001.9	5329.9
15°	3003.8	3025.6	3117.5	3196.2	3406.0	3672.7	4061.9	4538.5	4975.7	5076.3	5574.7
17.5°	2938.2	2925.1	2995.0	3073.7	3331.7	3633.4	4035.7	4542.8	5080.6	5211.8	5740.9
20°	2968.8	2995.0	2973.2	3047.5	3209.3	3515.3	4075.0	4625.9	5159.3	5338.6	5920.1
22.5°	3449.8	3414.8	3239.9	3100.0	3108.7	3467.3	4044.4	4678.4	5229.3	5373.6	6042.5
25°	4704.6	4516.6	4083.7	3546.0	3191.8	3336.1	4009.4	4660.9	5216.2	5395.4	6116.9
27.5°	5968.2	5806.4	5382.3	4547.2	3528.5	3283.6	3887.0	4674.0	5150.6	5316.7	5994.5
30°	7301.8	7389.2	6759.6	5767.1	4411.7	3572.2	3808.3	4604.1	5106.9	5246.8	6020.7
32.5°	8670.3	8635.3	8254.9	7179.4	5675.3	4210.5	3935.1	4674.0	5163.7	5299.3	6173.7
35°	9741.5	9619.1	9234.3	8263.7	6720.3	5172.5	4372.3	5006.3	5412.9	5574.7	6392.3
37.5°	10270.6	10323.1	10100.1	9256.2	7865.8	6064.4	4918.9	5006.3	5491.6	5679.6	6746.5
40°	10681.6	10839.0	10755.9	10484.8	9002.6	7070.0	5522.2	5316.7	5889.5	6243.7	7411.1
42.5°	11175.7	11101.3	11591.0	11341.8	10489.2	8338.0	6580.3	6055.7	6829.6	7170.6	8408.0
45°	11438.0	11722.2	12093.8	12413.0	11866.5	9920.8	7962.0	7363.0	8268.1	8700.9	9890.2
47.5°	12111.3	12225.0	12828.4	13230.6	12985.8	11730.9	10060.7	9273.7	10078.2	10760.3	11586.7
50°	12504.8	12351.8	13195.7	13807.8	13947.7	13230.6	11940.8	11328.7	12229.4	13099.5	13173.8
52.5°	12159.4	12596.7	13440.5	14538.0	14927.1	14568.6	14148.8	13882.1	14516.1	15320.6	14962.1
55°	10948.3	11245.6	13300.6	15338.1	16593.0	16426.8	16815.9	16641.1	17279.4	18132.0	17052.1
57.5°	9973.3	10344.9	12150.7	15753.5	18145.1	18634.8	19124.5	19015.2	19784.8	20768.5	18822.8
60°	9365.5	9579.8	11319.9	15648.5	19063.3	20917.2	22023.4	21253.9	22508.7	23260.7	20208.9
62.5°	8311.8	8447.3	10108.8	14258.1	19338.8	22530.6	24406.3	23361.3	24450.0	25368.2	21205.8
65°	6663.4	7030.7	8403.6	12176.9	17519.9	22827.9	25892.9	24664.3	25718.0	26321.4	21507.4
66°	6064.4	6331.1	7590.3	11075.1	16483.7	22333.8	25643.7	24935.3	25901.6	26452.5	21044.0
67.5°	5032.5	5264.3	6265.5	9505.4	14363.1	21245.1	25818.6	24751.7	26041.5	25704.9	20423.1
70°	3331.7	3480.4	4284.9	6427.3	10003.9	17380.0	23947.2	23317.6	22893.5	21629.9	15967.7
72.5°	1556.5	1770.8	2675.9	3895.7	5867.7	12159.4	19526.8	18682.9	16055.2	14035.2	10073.8
75°	703.9	800.1	1469.1	2234.3	2632.1	6300.5	12596.7	11376.8	7992.6	6637.2	4411.7
77.5°	380.4	432.9	717.1	1062.5	957.5	2208.0	6234.9	5185.6	2518.5	1845.1	1281.1
80°	292.9	345.4	599.0	607.8	354.2	572.8	2317.3	1604.6	629.6	476.6	306.1
82.5°	153.0	218.6	472.2	393.5	179.3	231.7	717.1	446.0	196.8	157.4	131.2
85°	61.2	96.2	266.7	262.3	104.9	78.7	201.1	135.5	78.7	65.6	61.2
87.5°	4.4	4.4	144.3	100.6	65.6	21.9	30.6	30.6	39.4	35.0	43.7
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: P482785
 CATALOG NUMBER: IFLD-L-SA7C-730-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7	4634.7
2.5°	4748.3	4800.8	4809.6	4953.8	4984.4	4953.8	5032.5	5019.4	5054.4	5028.2	4980.1
5°	4857.6	4932.0	5076.3	5185.6	5185.6	5098.1	5028.2	4936.4	4800.8	4765.8	4739.6
7.5°	5045.7	5281.8	5412.9	5343.0	5203.1	4875.1	4420.4	4088.1	3808.3	3703.4	3655.3
10°	5378.0	5509.1	5662.2	5378.0	4796.4	4101.2	3336.1	2833.3	2439.8	2352.3	2286.7
12.5°	5592.2	5802.1	5889.5	5185.6	4044.4	3008.2	2177.4	1609.0	1333.6	1123.7	1088.7
15°	5872.0	6112.5	5933.2	4665.3	3187.4	1971.9	1128.1	703.9	572.8	537.8	537.8
17.5°	6064.4	6326.7	5754.0	4018.2	2260.5	1049.4	559.7	485.3	476.6	481.0	472.2
20°	6401.1	6558.5	5482.9	3266.1	1351.0	537.8	450.3	432.9	424.1	437.2	428.5
22.5°	6527.9	6672.2	5041.3	2365.4	607.8	358.5	336.7	323.6	332.3	327.9	323.6
25°	6519.1	6593.5	4315.5	1355.4	179.3	139.9	126.8	126.8	118.1	122.4	118.1
27.5°	6584.7	6401.1	3502.2	402.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	6619.7	6090.6	2492.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6637.2	5928.9	1604.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6772.7	5605.3	686.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6864.5	5189.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7244.9	5058.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7739.0	4813.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	8425.5	4451.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9334.9	4236.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	10012.6	3900.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	10874.0	3699.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11897.1	3707.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	12828.4	3646.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13305.0	3117.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	13204.4	2522.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	12854.6	1980.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	12614.1	1753.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	11884.0	1403.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	9457.3	961.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6016.3	590.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2772.1	271.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	870.1	166.1	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	227.4	104.9	35.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	118.1	74.3	30.6	13.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	74.3	30.6	13.1	8.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	65.6	17.5	8.7	8.7	4.4	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)