

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: P484462

Luminaire Tested: **IFLD-L-SA7C-750-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484462
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-750-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

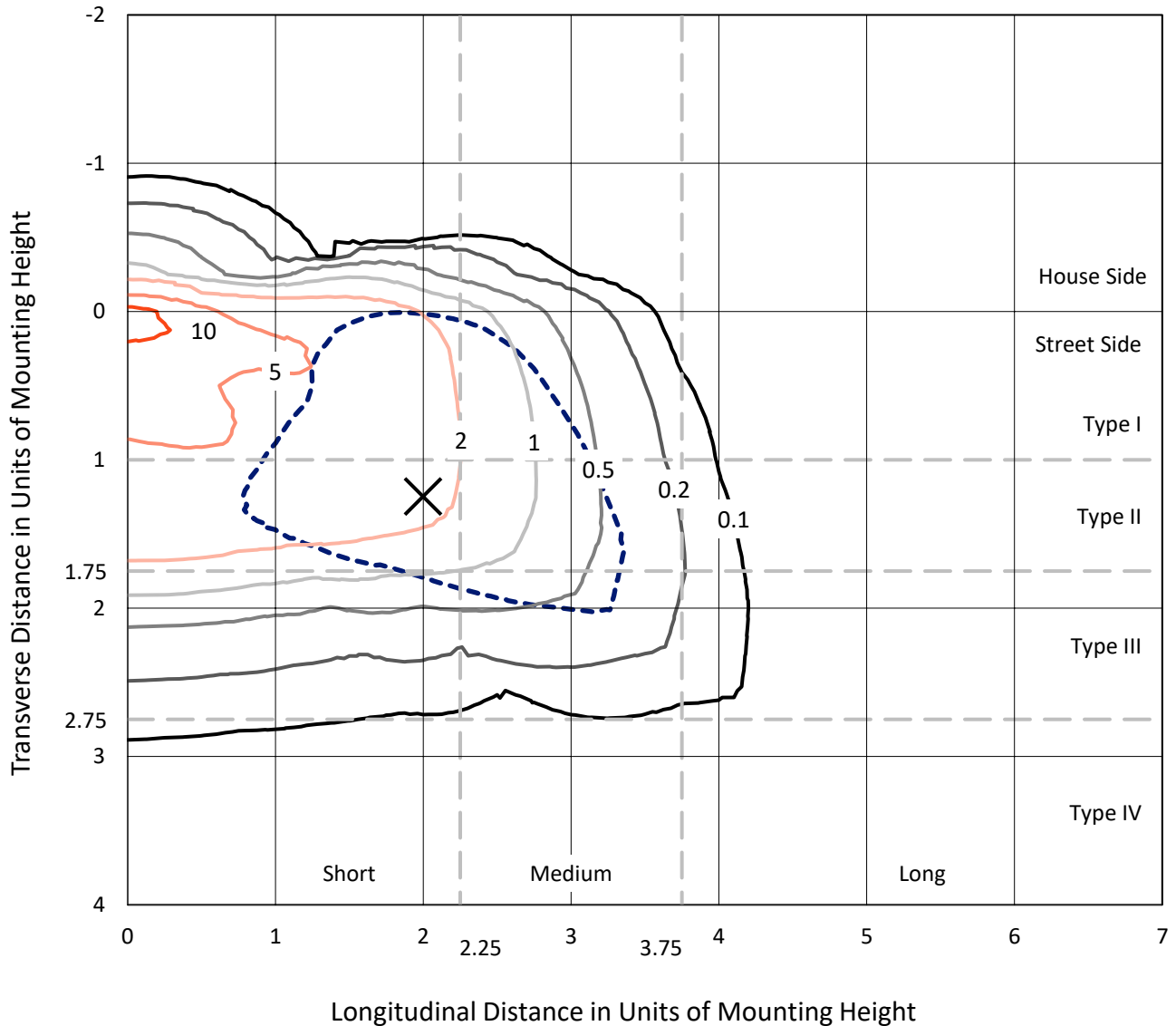
Lumens per Lamp: N/A
Luminaire Lumens: 37922.7 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 369
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

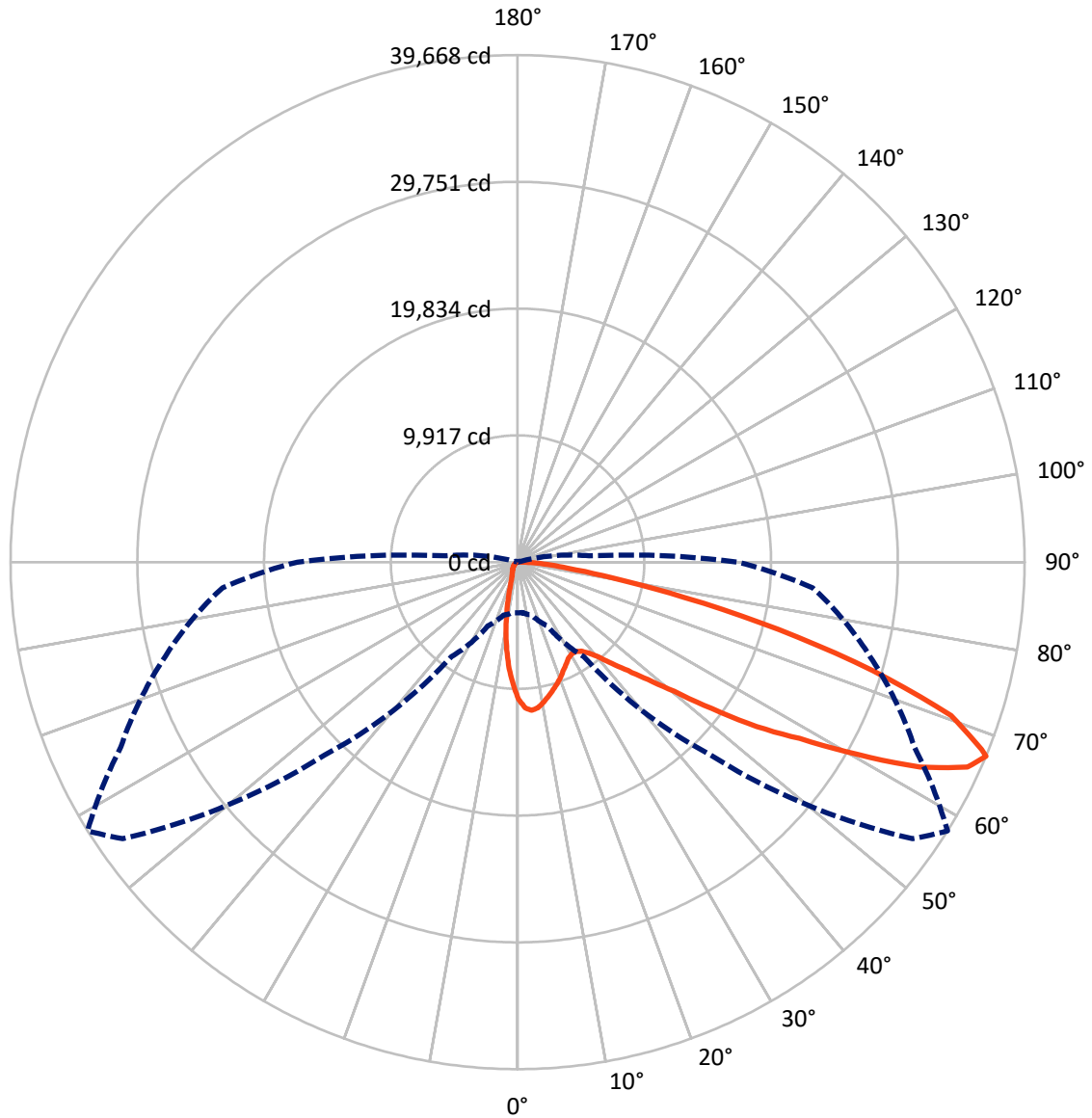
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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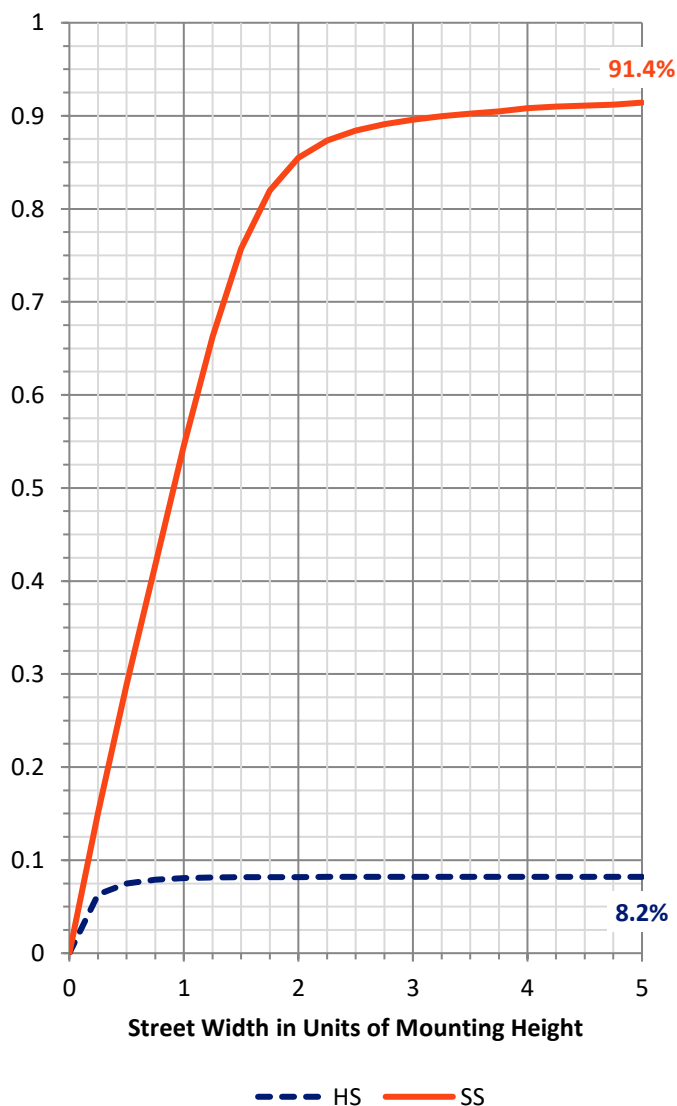
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3134.6	0.0	3134.6
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	34788.1	0.0	34788.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	37922.7	0.0	37922.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.5	2.2
10°-20°	1768.2	4.7
20°-30°	2346.0	6.2
30°-40°	3250.9	8.6
40°-50°	5304.5	14.0
50°-60°	9323.6	24.6
60°-70°	10326.6	27.2
70°-80°	4279.3	11.3
80°-90°	471.1	1.2
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°	37922.7	100.0
0°-180°	37922.7	100.0

Coefficient of Utilization



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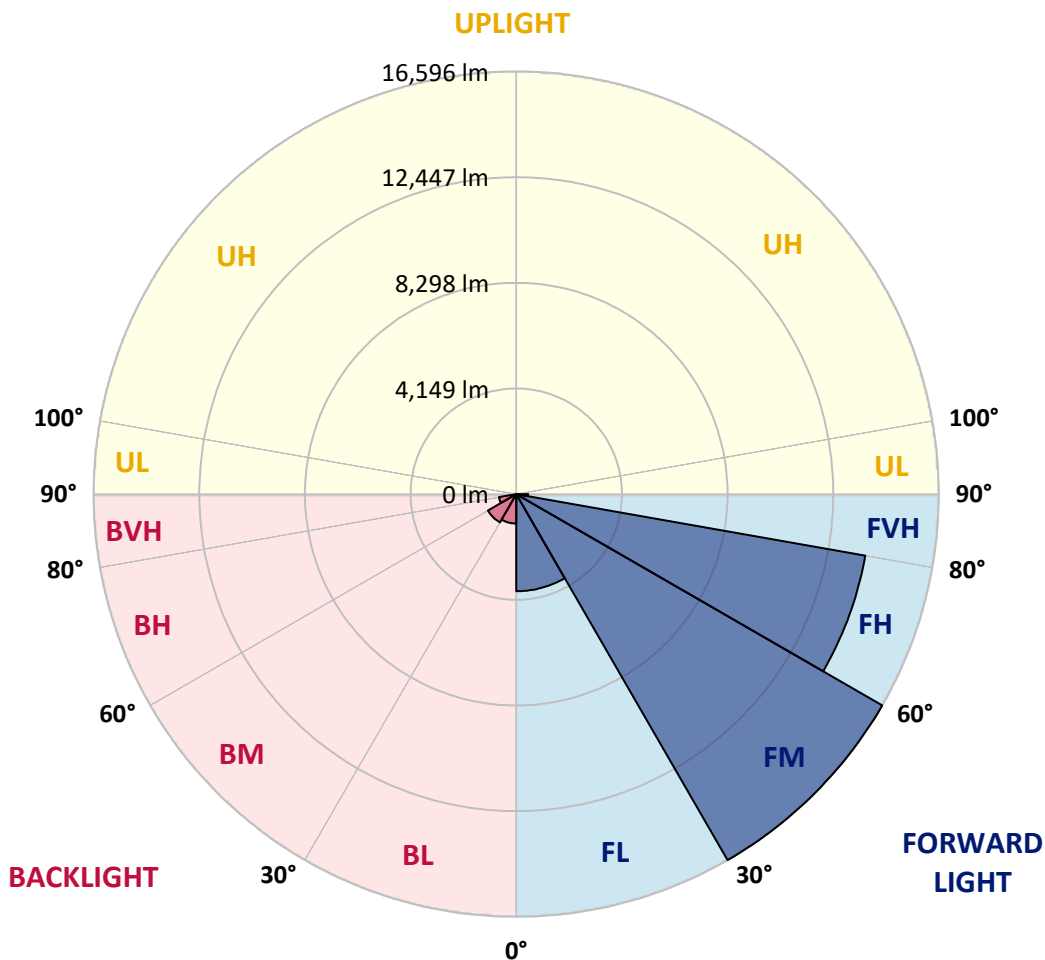
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3812.3	10.1			
FM (30°-60°)	16595.7	43.8			
FH (60°-80°)	13916.8	36.7			G5
FVH (80°-90°)	463.3	1.2			G3/500
BL (0°-30°)	1154.5	3.0	B3/2500		
BM (30°-60°)	1283.2	3.4	B2/2500		
BH (60°-80°)	689.2	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0
2.5°	11690.5	11730.8	11766.1	11700.6	11756.0	11675.4	11469.0	11423.7	11388.4	11081.3	10905.1
5°	11685.5	11640.2	11675.4	11705.6	11630.1	11690.5	11640.2	11645.2	11509.3	11232.4	10739.0
7.5°	10905.1	10885.0	10905.1	11051.1	11217.3	11348.2	11423.7	11499.2	11408.6	10995.7	10517.4
10°	9852.9	9953.6	10008.9	10270.7	10527.5	10769.2	11005.8	11146.8	11121.6	10955.5	10275.8
12.5°	9117.8	9087.6	9289.0	9460.2	9716.9	10205.3	10618.1	10749.0	10900.1	10668.5	9958.6
15°	8438.1	8357.6	8478.4	8775.4	9213.5	9601.1	10180.1	10376.5	10567.8	10628.2	9787.4
17.5°	7788.7	7828.9	7954.8	8221.6	8634.5	9178.2	9722.0	10003.9	10462.1	10381.5	9530.7
20°	7476.5	7562.1	7607.4	7743.3	8030.3	8574.1	9384.6	9611.2	10099.6	10376.5	9278.9
22.5°	7491.6	7491.6	7385.9	7466.4	7728.2	8151.1	8926.5	9178.2	9953.6	10114.7	9052.4
25°	7652.7	7552.0	7557.1	7461.4	7572.2	7803.8	8513.6	8820.8	9656.5	10139.8	8931.5
27.5°	7773.5	7753.4	7723.2	7698.0	7557.1	7592.3	8241.8	8493.5	9540.7	10109.6	8745.2
30°	8211.6	8120.9	8090.7	8035.4	7849.1	7677.9	8025.3	8342.5	9450.1	10180.1	8639.5
32.5°	8579.1	8594.2	8619.4	8458.3	8297.2	7874.2	8085.7	8337.4	9384.6	10341.2	8745.2
35°	9042.3	9107.7	9117.8	9067.5	8896.3	8478.4	8337.4	8553.9	9495.4	10628.2	8755.3
37.5°	9747.1	9676.7	9868.0	9888.1	9767.3	9213.5	8921.5	9007.0	9822.7	11086.4	9137.9
40°	10205.3	10290.9	10648.4	10869.9	10663.5	10160.0	9767.3	9752.2	10295.9	11806.3	9611.2
42.5°	10713.8	10905.1	11297.8	11776.1	11750.9	11282.7	10885.0	10819.5	11136.7	12848.5	10361.4
45°	11408.6	11579.8	12128.5	12848.5	13241.2	12843.5	12244.3	12113.4	12158.8	14268.3	11640.2
47.5°	12561.5	12516.2	13306.7	14016.6	14661.0	14353.9	14097.1	13714.5	13679.2	15939.8	13407.4
50°	13865.5	13855.4	14560.3	15365.8	16111.0	16710.1	16282.2	15864.3	15874.4	18210.4	15486.7
52.5°	15104.0	15300.4	16060.6	16861.1	18140.0	18784.4	19197.2	19031.1	18230.6	20239.4	17712.0
55°	15758.6	15929.7	16684.9	18064.4	20083.3	21739.8	22857.5	22716.5	21170.8	22525.2	19907.1
57.5°	15139.3	15255.1	16277.1	18084.6	21442.7	25138.2	26210.6	26034.3	24211.8	24272.2	22560.4
60°	12546.4	12727.7	14248.1	16367.7	20914.1	27756.2	30827.4	30560.5	26980.9	26482.4	24267.2
62.5°	8689.9	8810.7	10059.3	12697.5	18406.8	28667.5	35187.4	35333.4	29901.0	28204.3	24775.7
65°	5628.8	5618.7	6333.6	8120.9	13044.9	25908.5	37765.1	38671.4	32720.4	28466.1	24619.6
67°	3977.4	3962.3	4299.6	5507.9	9032.2	21347.0	37719.8	39668.3	34250.9	28541.6	23174.6
67.5°	3670.3	3655.2	3977.4	5064.9	8151.1	19851.7	37155.9	39154.7	34789.6	28435.9	22540.3
70°	2849.6	2809.4	2930.2	3489.0	4747.7	12838.4	31799.0	35967.8	33671.9	25797.7	17999.0
72.5°	2059.2	2104.5	2295.8	2864.7	3725.7	6907.6	24237.0	29085.4	28123.7	19443.9	11438.8
75°	1434.9	1475.2	1782.3	2336.1	3418.5	4188.9	16387.9	21095.3	19589.9	10733.9	4873.6
77.5°	750.2	800.5	1137.8	1867.9	3106.4	3242.3	9792.5	13377.1	10381.5	3821.3	1344.3
80°	347.4	372.6	568.9	1324.1	2597.9	2849.6	5709.3	7441.3	4153.6	855.9	463.2
82.5°	151.0	166.1	261.8	760.2	1842.7	2492.2	3534.3	3901.9	1505.4	276.9	287.0
85°	30.2	35.2	100.7	402.8	891.1	1510.4	2482.1	2316.0	755.2	135.9	226.6
87.5°	0.0	0.0	25.2	115.8	241.7	448.1	1052.2	1052.2	231.6	70.5	85.6
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°	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0	10744.0
2.5°	10749.0	10567.8	10170.1	9802.5	9540.7	9243.7	8851.0	8674.8	8609.3	8518.7	8382.7
5°	10467.1	10245.6	9565.9	8881.2	8131.0	7562.1	6957.9	6605.5	6338.7	6172.5	6117.1
7.5°	10069.4	9616.2	8699.9	7602.4	6630.7	5784.8	4868.5	4249.3	3851.5	3690.4	3539.4
10°	9752.2	9163.1	7768.5	6404.1	5110.2	3871.7	2839.6	2295.8	1883.0	1726.9	1706.8
12.5°	9339.3	8634.5	6897.5	5180.7	3554.5	2305.9	1570.8	1364.4	1248.6	1228.5	1213.4
15°	8997.0	8156.2	6071.8	4012.6	2300.8	1439.9	1223.4	1173.1	1142.9	1132.8	1137.8
17.5°	8765.4	7642.6	5226.0	2920.1	1515.4	1178.1	1127.8	1097.6	1082.5	1077.4	1062.3
20°	8307.2	7209.7	4390.2	2044.1	1183.2	1087.5	1047.2	1022.0	1006.9	1001.9	996.9
22.5°	8045.4	6660.9	3554.5	1424.8	1052.2	986.8	956.6	936.5	911.3	896.2	891.1
25°	7783.6	6258.1	2809.4	1107.6	956.6	911.3	866.0	840.8	800.5	780.4	775.3
27.5°	7476.5	5860.4	2164.9	961.6	860.9	815.6	770.3	730.0	679.7	659.5	649.5
30°	7300.3	5472.7	1631.2	860.9	790.4	730.0	674.6	624.3	568.9	533.7	523.6
32.5°	7209.7	5120.3	1223.4	785.4	714.9	649.5	579.0	518.6	468.2	438.0	433.0
35°	7098.9	4777.9	961.6	714.9	644.4	574.0	503.5	443.1	392.7	367.5	357.5
37.5°	7214.7	4576.5	800.5	659.5	589.1	508.5	433.0	372.6	332.3	307.1	302.1
40°	7531.9	4410.4	694.8	609.2	533.7	448.1	377.6	317.2	281.9	261.8	251.7
42.5°	8020.2	4410.4	629.3	558.8	483.3	392.7	322.2	276.9	241.7	221.5	216.5
45°	8906.4	4546.3	574.0	508.5	422.9	337.3	276.9	231.6	196.4	176.2	171.2
47.5°	10149.9	4858.5	528.6	463.2	377.6	297.0	241.7	196.4	161.1	141.0	135.9
50°	11821.4	5568.4	483.3	407.8	337.3	256.8	201.4	156.1	125.9	105.7	100.7
52.5°	13905.8	6575.3	438.0	377.6	287.0	216.5	161.1	125.9	95.7	80.6	75.5
55°	16111.0	7808.8	382.6	337.3	246.7	181.2	130.9	95.7	70.5	60.4	55.4
57.5°	18331.3	8760.3	337.3	292.0	201.4	146.0	105.7	75.5	50.3	40.3	35.2
60°	19509.4	8851.0	292.0	241.7	161.1	115.8	80.6	55.4	35.2	25.2	20.1
62.5°	19690.6	8045.4	251.7	196.4	130.9	90.6	55.4	40.3	20.1	10.1	10.1
65°	18759.2	6706.2	216.5	156.1	100.7	65.5	40.3	25.2	10.1	5.0	0.0
67°	17248.8	5618.7	186.3	130.9	80.6	50.3	30.2	15.1	5.0	0.0	0.0
67.5°	16664.8	5316.6	176.2	120.8	75.5	45.3	25.2	15.1	5.0	0.0	0.0
70°	12934.1	3796.1	130.9	85.6	55.4	35.2	20.1	10.1	0.0	0.0	0.0
72.5°	7924.6	2220.3	100.7	60.4	40.3	25.2	15.1	5.0	0.0	0.0	0.0
75°	3322.9	765.3	85.6	45.3	30.2	15.1	10.1	5.0	0.0	0.0	0.0
77.5°	866.0	287.0	60.4	30.2	20.1	15.1	10.1	5.0	0.0	0.0	0.0
80°	352.4	130.9	40.3	20.1	20.1	15.1	10.1	5.0	0.0	0.0	0.0
82.5°	231.6	60.4	25.2	20.1	15.1	10.1	5.0	0.0	0.0	0.0	0.0
85°	176.2	35.2	15.1	15.1	10.1	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	75.5	20.1	15.1	10.1	10.1	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)