

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: P483335

Luminaire Tested: **IFLD-L-SA8B-760-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483335
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-760-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (128) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

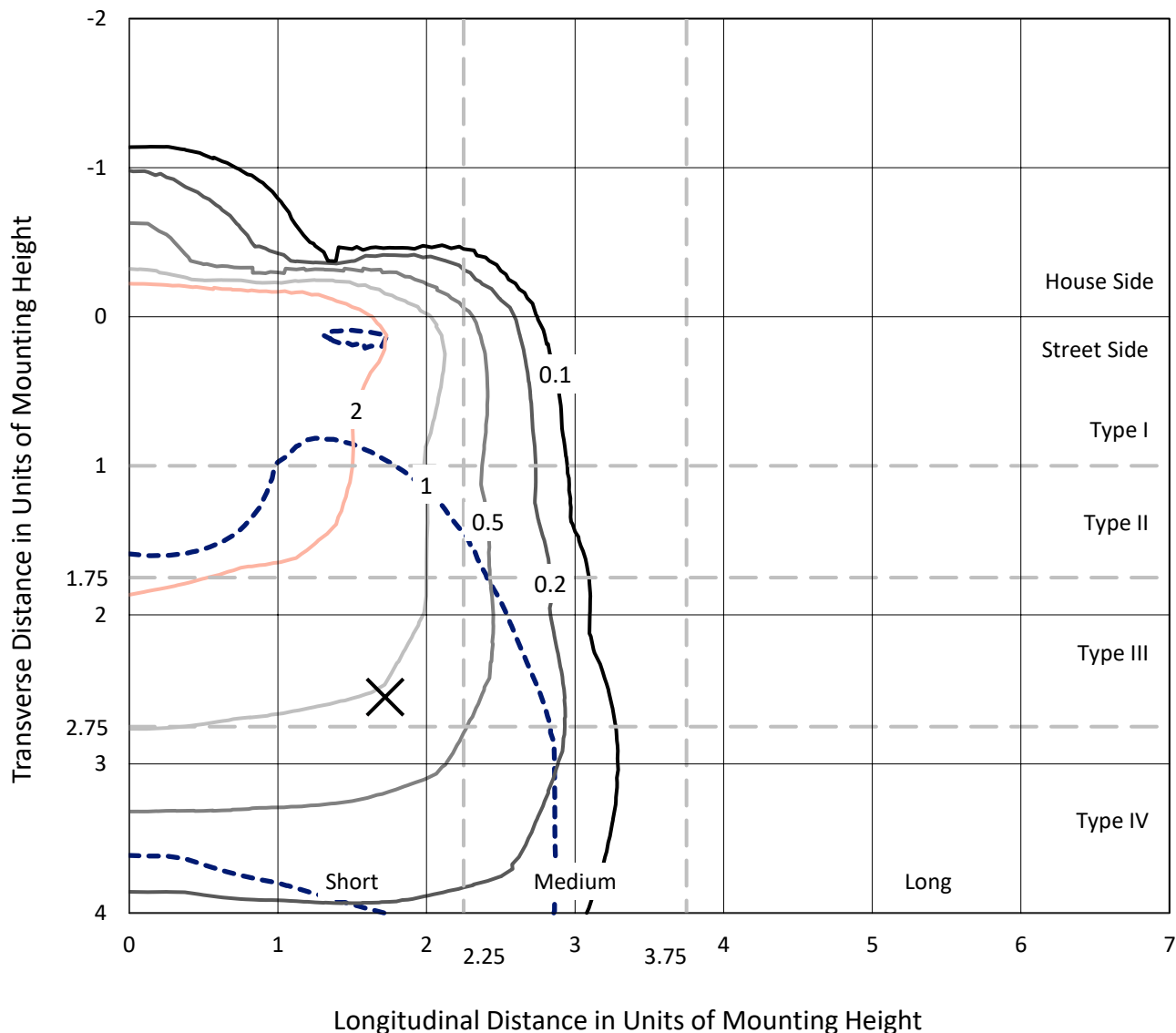
Lumens per Lamp: N/A
Luminaire Lumens: 30102.7 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 320
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

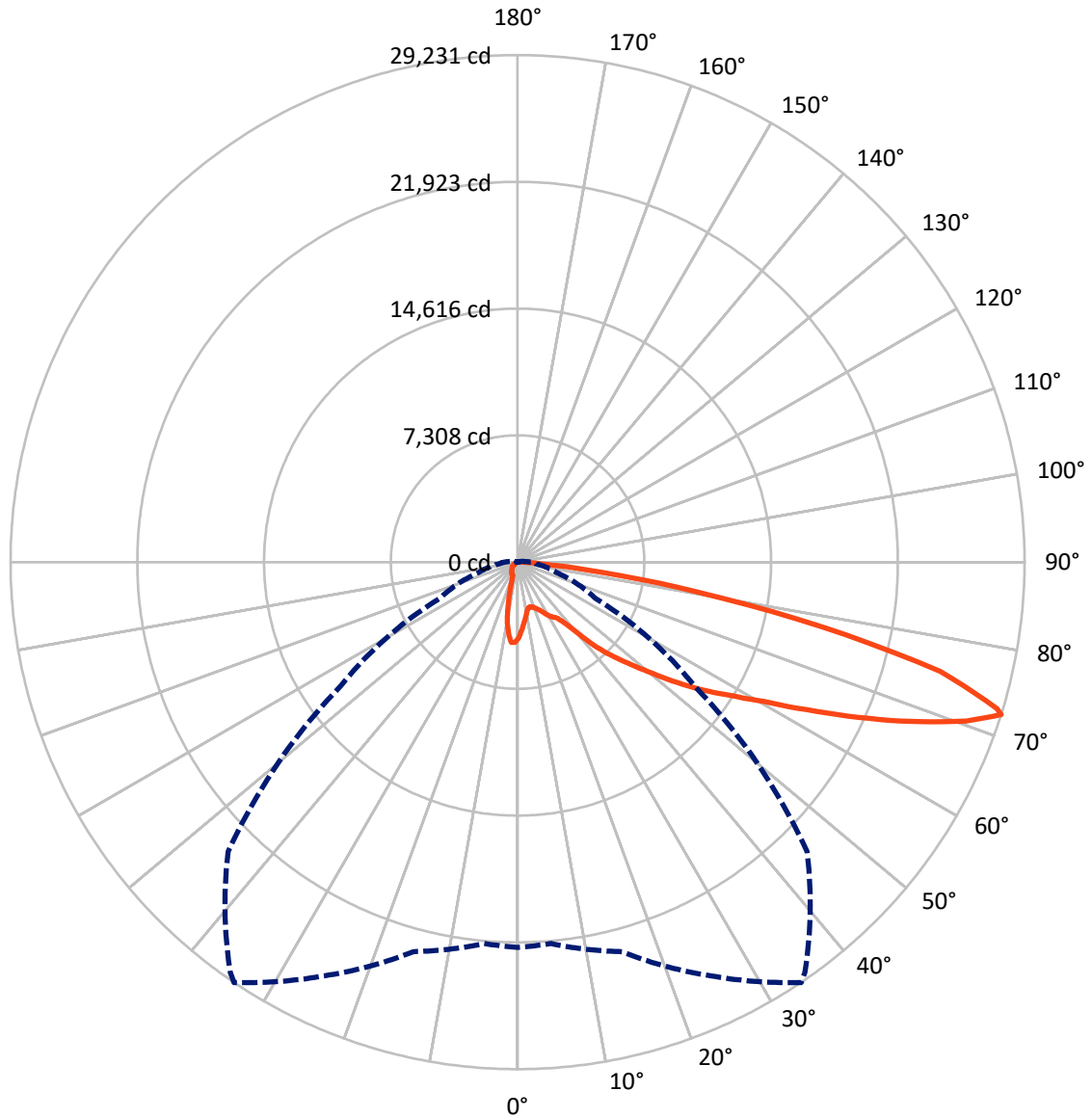
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3081.8	0.0	3081.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	27020.8	0.0	27020.8
	% Fixture	89.8	0.0	89.8
Total	Lumens	30102.7	0.0	30102.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.3	1.3
10°-20°	865.5	2.9
20°-30°	1306.4	4.3
30°-40°	2120.1	7.0
40°-50°	3986.7	13.2
50°-60°	6518.4	21.7
60°-70°	8665.3	28.8
70°-80°	5803.1	19.3
80°-90°	454.8	1.5
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°	30102.7	100.0
0°-180°	30102.7	100.0



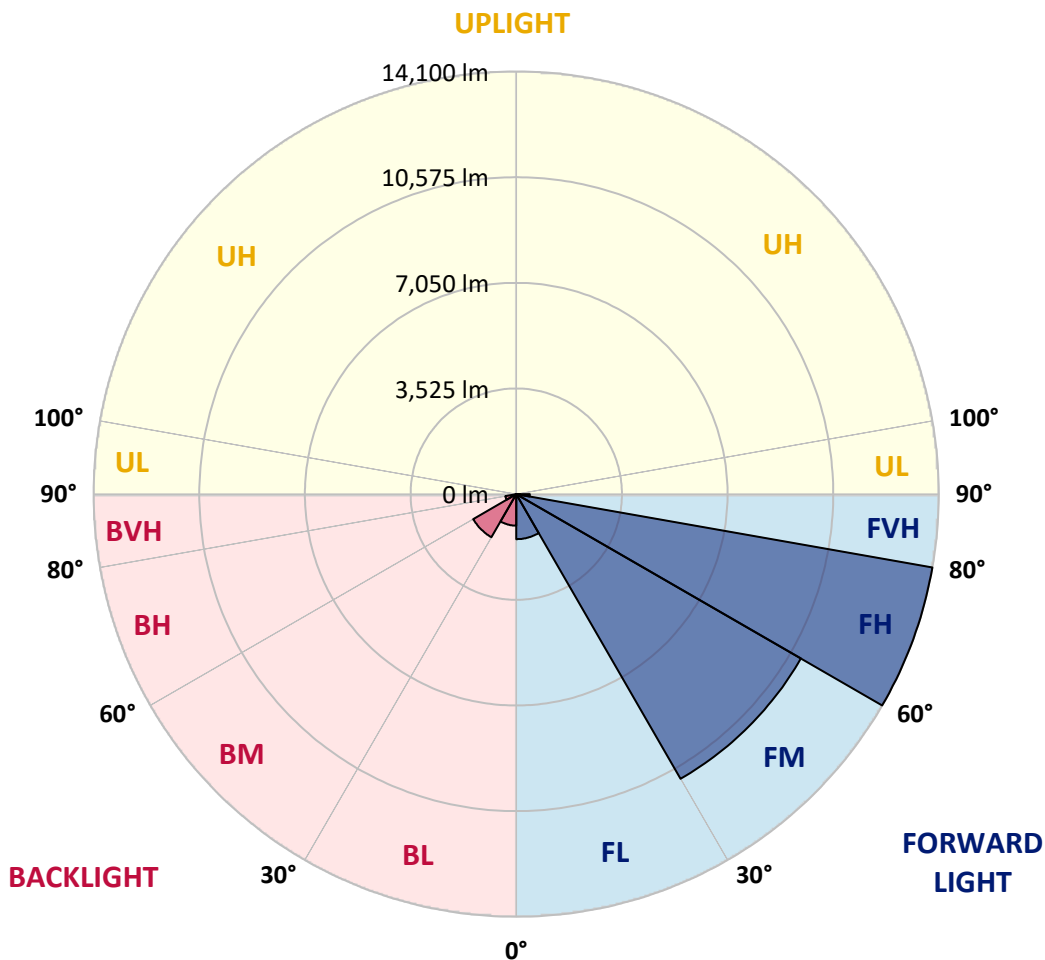
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1502.8	5.0			
FM (30°-60°)	10966.3	36.4			
FH (60°-80°)	14099.8	46.8			G5
FVH (80°-90°)	451.9	1.5			G3/500
BL (0°-30°)	1051.5	3.5	B3/2500		
BM (30°-60°)	1658.9	5.5	B2/2500		
BH (60°-80°)	368.5	1.2	B1/500		G1/500
BVH (80°-90°)	2.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0
2.5°	3894.9	3886.2	3912.3	3955.8	3999.3	3981.9	4064.6	4151.6	4212.6	4295.2	4395.3
5°	3403.1	3424.9	3451.0	3538.0	3594.6	3607.7	3760.0	3873.1	4060.2	4251.7	4430.1
7.5°	2954.9	2981.0	3033.2	3129.0	3246.5	3276.9	3429.2	3655.5	3899.2	4151.6	4443.2
10°	2628.5	2654.6	2711.2	2772.1	2928.8	2928.8	3137.7	3451.0	3768.7	4064.6	4447.6
12.5°	2558.9	2571.9	2567.6	2615.4	2715.5	2737.3	2941.8	3285.6	3655.5	4034.1	4517.2
15°	2641.6	2650.3	2606.7	2580.6	2667.7	2689.4	2880.9	3185.5	3581.5	4051.5	4630.3
17.5°	2806.9	2776.5	2689.4	2650.3	2724.2	2737.3	2915.7	3181.2	3572.8	4099.4	4760.9
20°	2902.7	2937.5	2785.2	2711.2	2815.6	2833.0	3024.5	3250.8	3616.4	4182.1	4943.7
22.5°	3072.4	3089.8	2885.3	2837.4	2937.5	2937.5	3155.1	3390.1	3720.8	4317.0	5161.3
25°	3311.7	3290.0	3050.6	3002.8	3098.5	3137.7	3355.3	3612.0	3881.8	4443.2	5361.4
27.5°	3498.9	3511.9	3316.1	3189.9	3350.9	3377.0	3612.0	3851.4	4003.7	4547.6	5605.1
30°	3777.4	3751.3	3542.4	3398.8	3599.0	3603.3	3829.6	4077.7	4238.7	4734.8	5970.7
32.5°	4108.1	4055.9	3816.5	3612.0	3773.0	3812.2	4042.8	4404.0	4604.2	5087.3	6536.4
35°	4808.8	4682.6	4290.9	3973.2	3986.3	4003.7	4360.5	4878.4	5109.0	5535.5	7293.6
37.5°	5831.4	5779.2	5335.3	4730.4	4499.8	4447.6	4847.9	5505.0	5792.3	6127.4	8277.2
40°	6845.4	6771.4	6358.0	5901.1	5483.3	5378.8	5579.0	6336.2	6597.4	6949.9	9286.8
42.5°	7972.5	7842.0	7354.6	6984.7	6723.6	6610.4	6532.1	7380.7	7676.6	7916.0	10274.6
45°	9112.7	8899.5	8194.5	7911.6	7772.3	7711.4	7702.7	8694.9	8873.4	8921.2	11371.3
47.5°	10113.6	9883.0	9243.3	8925.6	8821.1	8803.7	9291.1	10209.4	10070.1	9943.9	12594.2
50°	10883.9	10735.9	10274.6	10161.5	10083.2	10052.7	11192.9	11767.3	11123.2	10901.3	13669.1
52.5°	12076.3	11745.6	11223.3	11262.5	11536.7	11541.0	13120.7	13246.9	11998.0	11558.4	14683.0
55°	13029.3	12811.7	12385.3	12328.7	13051.1	13129.4	14848.4	14369.7	12485.4	12185.1	15057.3
57.5°	14152.1	14052.0	13743.0	13751.7	14509.0	14674.3	16384.6	15318.4	12890.1	12589.8	15113.9
60°	15775.3	15488.1	15327.1	15401.1	16293.2	16454.2	17872.9	16001.6	13085.9	12855.3	14974.6
62.5°	17568.3	17233.2	17059.1	17437.7	18738.9	18765.0	19004.4	16606.5	12964.1	12924.9	14078.1
65°	19726.8	19396.0	19256.8	20018.4	21563.3	21467.5	20592.8	16863.3	12576.8	12224.3	11723.8
67.5°	21876.6	21676.4	21389.2	22603.3	24526.8	24526.8	22242.1	16767.6	11562.8	9813.3	7667.9
70°	22894.9	23034.2	23491.1	25397.2	27438.2	27229.3	23869.7	15666.5	8607.9	5270.1	3015.8
72°	22216.0	22072.4	23251.8	26311.1	29231.2	28887.4	23595.6	12454.9	4974.1	2310.8	1048.8
72.5°	21049.7	21184.6	22807.9	26184.9	28896.1	29178.9	22925.4	11488.8	4090.7	1840.8	792.0
75°	12907.5	13138.1	17024.3	22233.4	25179.6	24861.9	17733.7	5474.6	1571.0	783.3	282.9
77.5°	4713.0	4904.5	8259.7	13991.1	17907.7	17707.5	10261.6	1945.3	853.0	583.1	143.6
80°	1227.2	1327.3	2806.9	6453.7	10531.4	10544.5	4295.2	779.0	578.8	478.7	87.0
82.5°	243.7	269.8	861.7	2511.0	4921.9	4856.6	1357.8	417.8	435.2	391.7	60.9
85°	30.5	39.2	182.8	853.0	1592.8	1427.4	335.1	208.9	322.0	304.6	39.2
87.5°	4.4	4.4	43.5	195.8	335.1	326.4	69.6	65.3	143.6	187.1	21.8
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°	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0	4404.0
2.5°	4451.9	4469.3	4530.2	4582.5	4643.4	4660.8	4634.7	4678.2	4617.3	4652.1	4660.8
5°	4460.6	4560.7	4673.9	4747.8	4730.4	4686.9	4652.1	4534.6	4451.9	4421.4	4486.7
7.5°	4521.5	4634.7	4756.5	4756.5	4660.8	4434.5	4216.9	4008.0	3834.0	3746.9	3820.9
10°	4599.9	4717.4	4843.6	4678.2	4321.4	3907.9	3599.0	3207.3	2941.8	2802.6	2815.6
12.5°	4704.3	4869.7	4913.2	4530.2	3938.4	3324.8	2763.4	2219.4	1967.0	1766.8	1771.2
15°	4839.2	5000.2	4869.7	4208.2	3451.0	2545.8	1871.3	1353.4	1153.2	1048.8	1048.8
17.5°	5017.6	5139.5	4856.6	3912.3	2793.9	1740.7	1148.9	913.9	870.4	853.0	853.0
20°	5226.5	5317.9	4730.4	3451.0	2075.8	1118.4	844.3	818.1	822.5	813.8	813.8
22.5°	5461.5	5492.0	4586.8	2915.7	1405.6	826.8	787.7	792.0	796.4	787.7	792.0
25°	5709.6	5626.9	4377.9	2289.1	935.6	752.9	761.6	770.3	774.6	779.0	779.0
27.5°	5988.1	5822.7	4086.4	1675.4	731.1	709.3	735.5	761.6	765.9	765.9	761.6
30°	6397.2	6123.0	3803.5	1135.8	644.1	661.5	705.0	735.5	757.2	757.2	752.9
32.5°	6915.0	6436.3	3407.5	774.6	596.2	604.9	639.7	700.6	748.5	752.9	739.8
35°	7633.1	6814.9	2994.1	618.0	561.4	565.7	587.5	635.4	718.0	744.2	739.8
37.5°	8390.3	7245.8	2480.5	557.0	535.3	530.9	544.0	583.1	657.1	722.4	726.8
40°	9195.4	7698.4	1940.9	526.6	513.5	504.8	509.2	526.6	583.1	665.8	683.2
42.5°	9952.6	8107.4	1457.9	496.1	491.8	483.1	483.1	487.4	517.9	574.4	583.1
45°	10770.7	8442.5	1109.7	474.3	461.3	465.6	448.2	439.5	461.3	465.6	461.3
47.5°	11536.7	8777.6	887.8	448.2	435.2	435.2	413.4	396.0	396.0	356.8	352.5
50°	12254.7	8960.4	709.3	413.4	409.1	404.7	374.3	343.8	317.7	269.8	261.1
52.5°	12850.9	8951.7	548.3	369.9	383.0	369.9	322.0	278.5	239.3	195.8	187.1
55°	13029.3	8533.9	413.4	304.6	326.4	309.0	256.8	217.6	174.1	139.3	134.9
57.5°	12877.0	7898.5	313.3	235.0	252.4	235.0	195.8	161.0	121.9	95.7	87.0
60°	12367.9	7154.4	243.7	182.8	191.5	178.4	148.0	121.9	87.0	60.9	52.2
62.5°	11401.8	6223.1	187.1	143.6	139.3	139.3	113.1	91.4	60.9	34.8	30.5
65°	9356.4	4852.3	143.6	100.1	100.1	100.1	87.0	65.3	39.2	17.4	8.7
67.5°	5875.0	2824.3	117.5	78.3	74.0	74.0	60.9	43.5	21.8	4.4	0.0
70°	2210.7	1035.7	91.4	60.9	56.6	56.6	43.5	26.1	13.1	0.0	0.0
72°	761.6	396.0	74.0	43.5	43.5	39.2	30.5	21.8	8.7	0.0	0.0
72.5°	626.7	317.7	69.6	43.5	39.2	39.2	30.5	21.8	8.7	0.0	0.0
75°	226.3	130.6	47.9	30.5	26.1	26.1	21.8	13.1	4.4	0.0	0.0
77.5°	113.1	82.7	39.2	26.1	21.8	13.1	13.1	8.7	4.4	0.0	0.0
80°	69.6	52.2	21.8	17.4	13.1	8.7	4.4	4.4	0.0	0.0	0.0
82.5°	47.9	30.5	13.1	13.1	8.7	4.4	0.0	0.0	0.0	0.0	0.0
85°	30.5	13.1	8.7	8.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.1	8.7	4.4	0.0	0.0	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)