

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: P482424

Luminaire Tested: **IFLD-S-SA6C-735-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482424
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-735-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

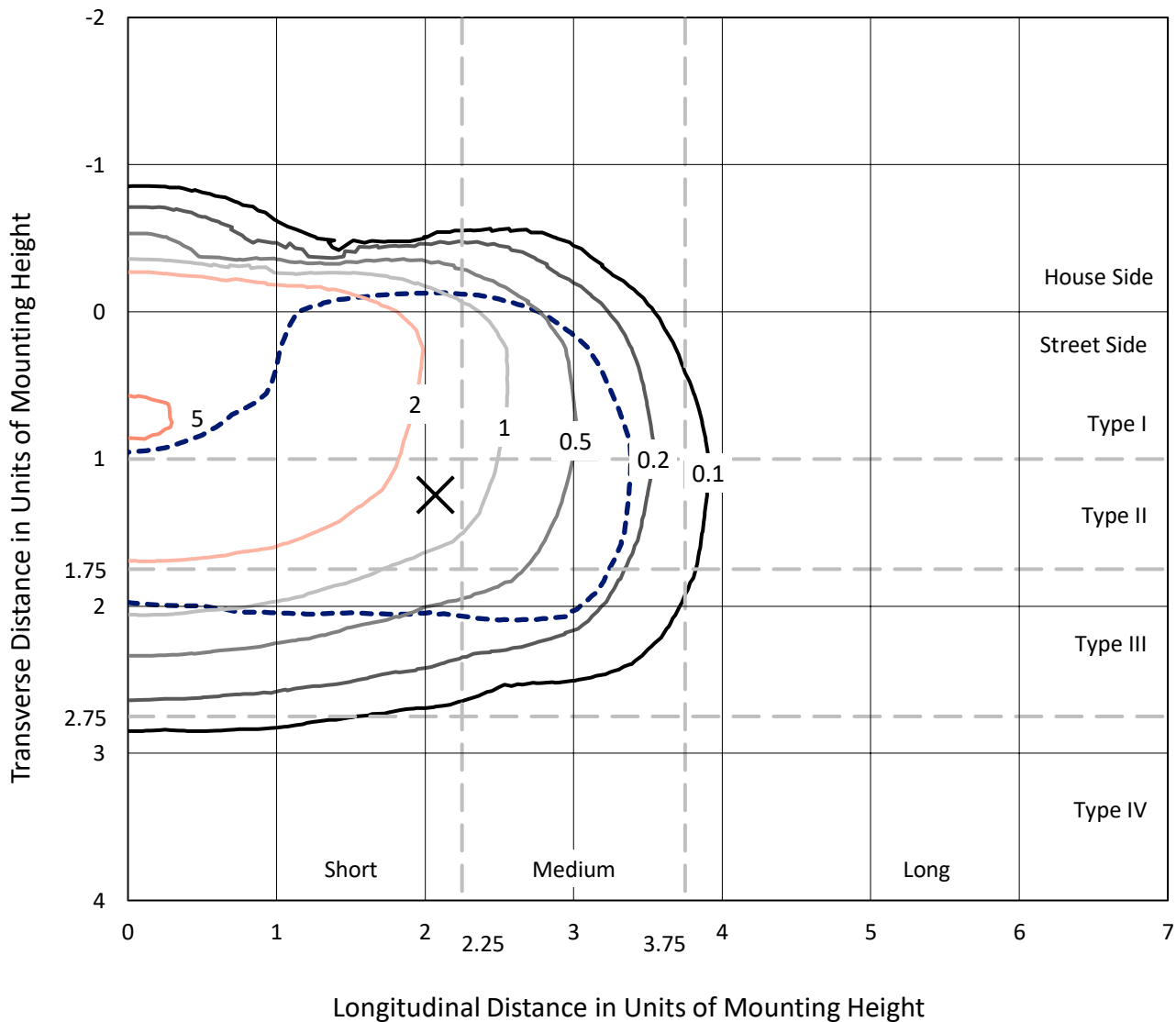
Lumens per Lamp: N/A
Luminaire Lumens: 30410 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

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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Iso-Footcandle Lines of Horizontal Illumination

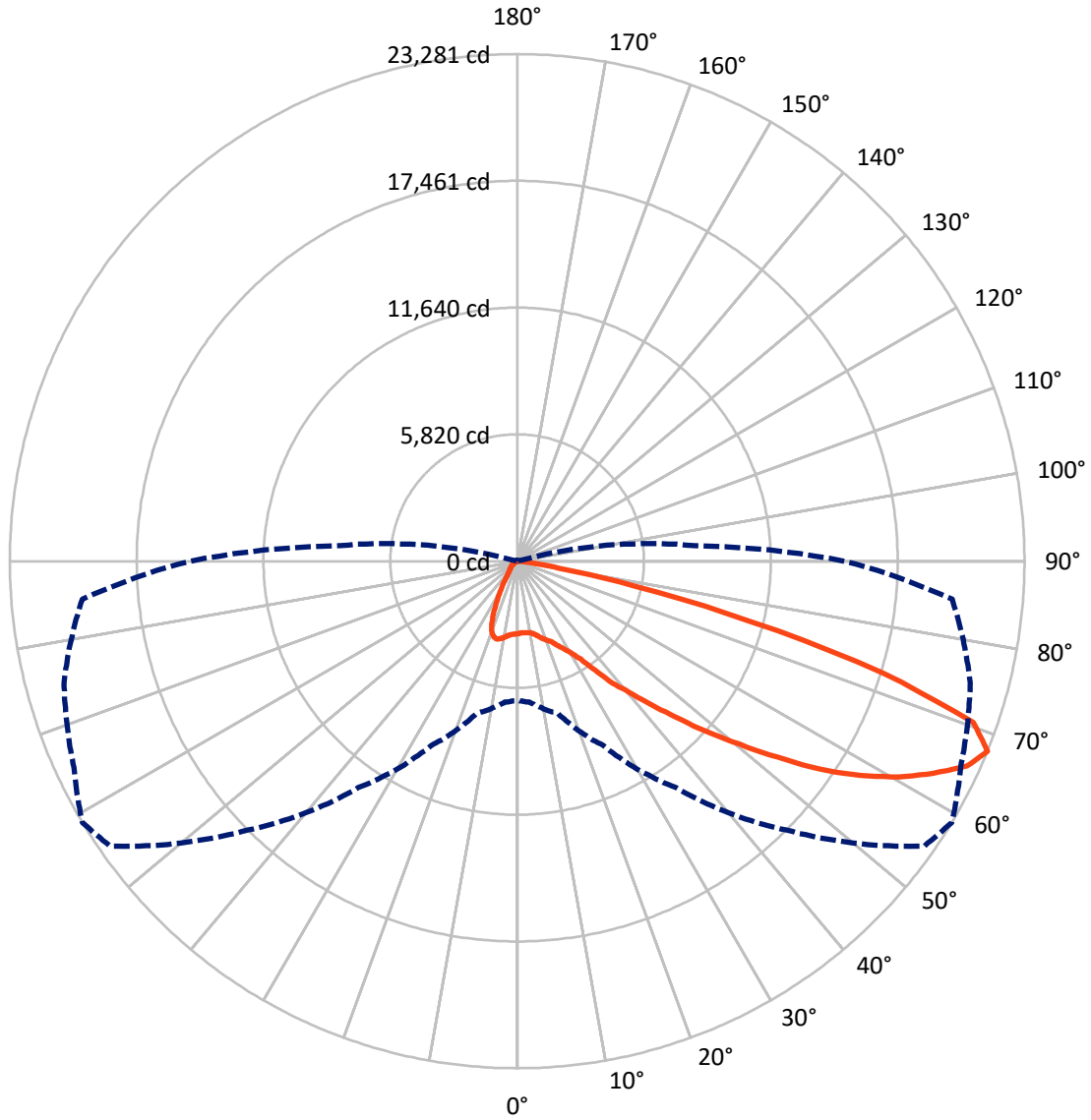
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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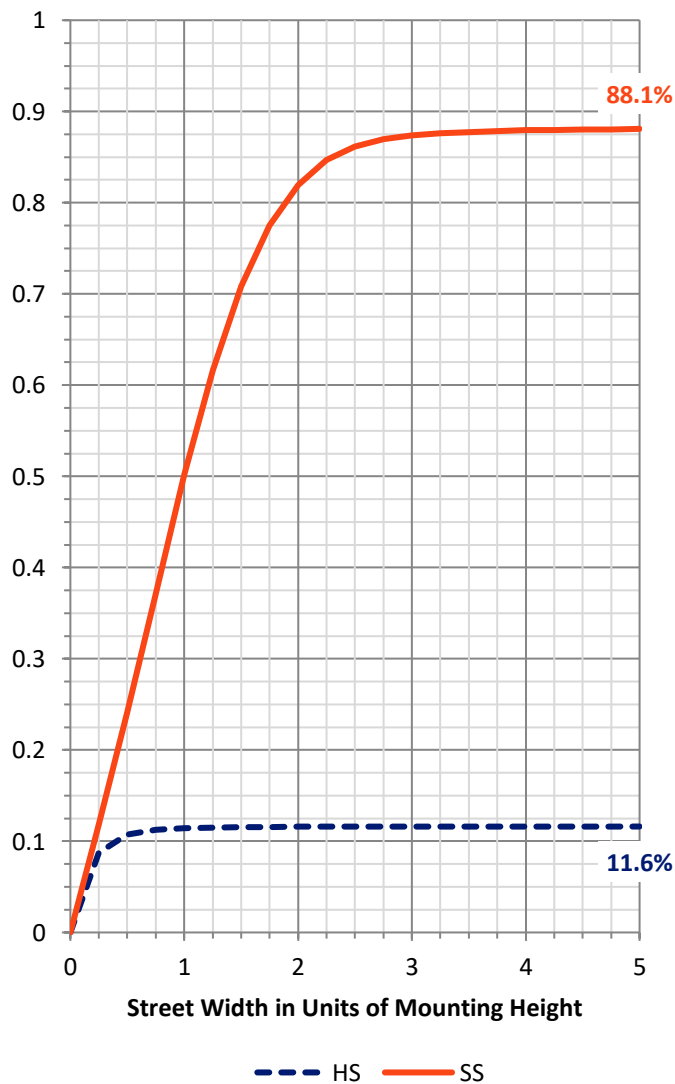
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3572.2	0.0	3572.2
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	26837.9	0.0	26837.9
	% Fixture	88.3	0.0	88.3
Total	Lumens	30410.0	0.0	30410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.8	1.0
10°-20°	915.2	3.0
20°-30°	1599.5	5.3
30°-40°	2816.2	9.3
40°-50°	4978.1	16.4
50°-60°	7882.1	25.9
60°-70°	8743.4	28.8
70°-80°	3033.8	10.0
80°-90°	124.9	0.4
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°	30410.0	100.0
0°-180°	30410.0	100.0

Coefficient of Utilization

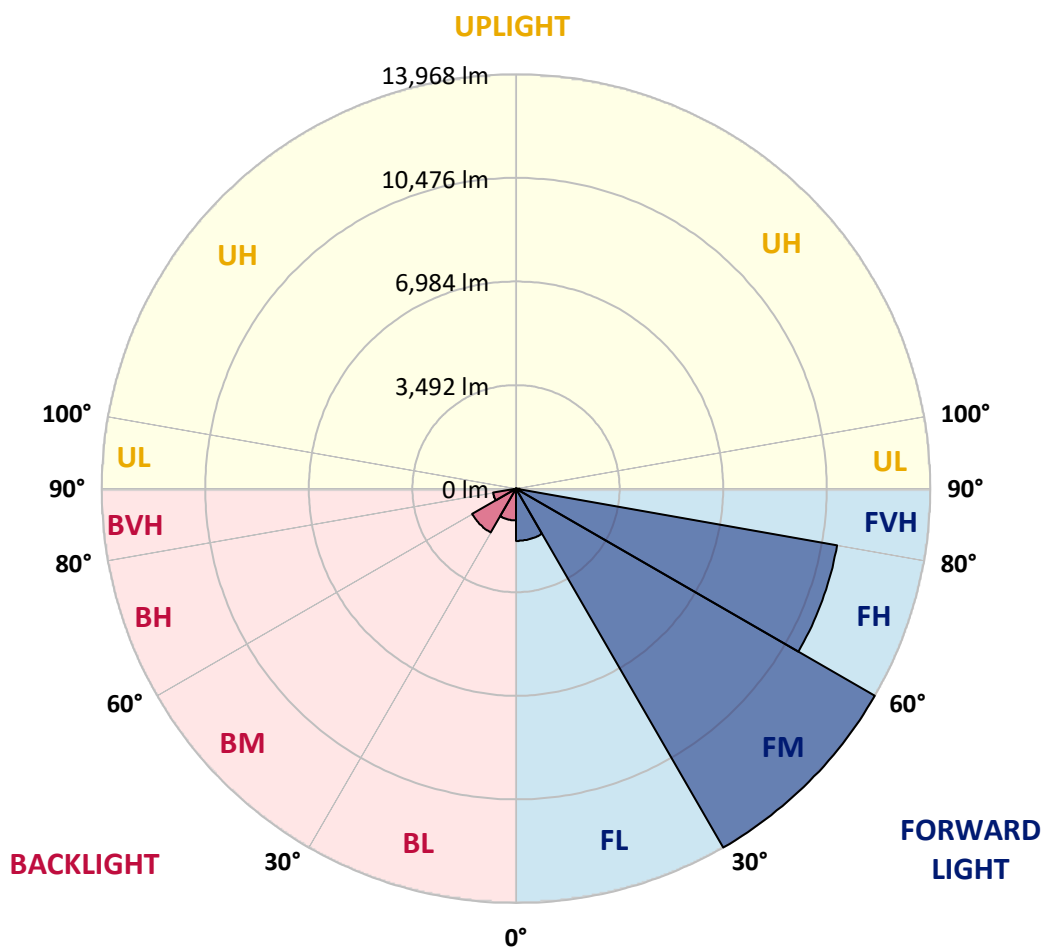


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1761.0	5.8			
FM (30°-60°)	13968.5	45.9			
FH (60°-80°)	10991.6	36.1			G4/12000
FVH (80°-90°)	116.8	0.4			G2/225
BL (0°-30°)	1070.6	3.5	B3/2500		
BM (30°-60°)	1707.9	5.6	B2/2500		
BH (60°-80°)	785.6	2.6	B2/1000		G2/1000
BVH (80°-90°)	8.1	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-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4
2.5°	3238.8	3192.6	3234.6	3238.8	3243.0	3280.8	3322.8	3293.4	3289.2	3322.8	3352.2
5°	3108.6	3087.6	3138.0	3163.2	3205.2	3238.8	3306.0	3310.2	3314.4	3352.2	3402.6
7.5°	3054.0	3003.6	3062.4	3091.8	3121.2	3201.0	3280.8	3322.8	3381.6	3427.9	3478.3
10°	2944.8	2982.6	2999.4	3049.8	3133.8	3226.2	3322.8	3343.8	3474.1	3511.9	3633.7
12.5°	2982.6	3007.8	3041.4	3054.0	3146.4	3285.0	3415.3	3423.7	3558.1	3721.9	3784.9
15°	3079.2	3062.4	3075.0	3091.8	3201.0	3314.4	3524.5	3562.3	3688.3	3873.1	4028.6
17.5°	3285.0	3255.6	3234.6	3230.4	3255.6	3360.6	3608.5	3721.9	3839.5	4091.6	4171.4
20°	3801.7	3776.5	3692.5	3474.1	3398.4	3440.5	3709.3	3868.9	4032.8	4314.2	4444.4
22.5°	4587.3	4612.5	4415.0	4108.4	3793.3	3629.5	3868.9	4007.6	4268.0	4625.1	4742.7
25°	5515.7	5465.2	5225.8	4868.7	4373.0	3986.6	4125.2	4280.6	4599.9	4893.9	4940.1
27.5°	6242.4	6183.6	5998.7	5566.1	5137.6	4511.7	4461.3	4557.9	4935.9	5200.6	5150.2
30°	6960.7	6981.7	6855.7	6343.2	5813.9	5154.4	4835.1	4877.1	5167.0	5507.3	5393.8
32.5°	7876.5	7826.1	7754.7	7305.2	6679.3	5973.5	5427.4	5360.2	5486.2	5935.7	5801.3
35°	8729.3	8699.9	8603.2	8149.6	7603.5	6834.7	6301.2	6150.0	6120.6	6620.5	6385.2
37.5°	9472.8	9422.4	9275.4	8985.5	8456.2	7809.3	7225.4	7091.0	7086.8	7431.2	6977.5
40°	10098.7	10136.5	10119.7	9800.5	9510.6	8993.9	8099.1	7884.9	7868.1	8052.9	7788.3
42.5°	10909.5	10997.7	10951.5	10888.5	10539.8	10338.2	9325.8	8998.1	8851.1	9229.2	8989.7
45°	12136.1	12169.7	12199.1	12043.7	11695.0	11737.0	10594.4	10203.7	10165.9	10728.8	10191.1
47.5°	13282.9	13194.7	13400.6	13409.0	13392.2	13198.9	11963.9	11674.0	11724.4	12152.9	11598.4
50°	13568.6	13795.4	14362.5	14467.6	14740.6	14917.0	13484.6	13194.7	13278.7	13766.0	13131.7
52.5°	13791.2	14135.7	14702.8	15471.6	16206.7	16626.8	15185.9	14950.7	14946.5	15244.7	14370.9
55°	14181.9	14391.9	14883.4	15942.0	17340.9	18029.8	17235.9	16857.8	16517.6	16727.6	15656.4
57.5°	14144.1	14223.9	14988.5	16294.9	18239.9	19491.7	18920.4	18559.1	18122.3	18000.4	17135.1
60°	13480.4	13669.4	14526.4	16055.5	18794.4	20630.1	20491.5	20121.8	19369.9	19084.2	18269.3
62.5°	12165.5	12417.6	13089.7	15215.3	17987.8	20688.9	21575.3	21436.7	20596.5	20084.0	19748.0
65°	9859.3	9976.9	10749.9	13081.3	16164.7	19785.8	22856.6	22684.3	21911.4	21146.8	20508.3
67.5°	6385.2	6498.6	7242.2	9338.4	12694.8	17454.3	22806.2	23280.8	22444.9	21524.9	20033.6
70°	3016.2	2986.8	3679.9	5188.0	8132.8	13329.1	21264.5	22201.2	21491.3	19512.7	16639.4
72.5°	920.0	999.8	1529.1	2297.8	4175.6	8313.4	16668.8	17546.7	17324.1	15589.2	11106.9
75°	407.5	441.1	600.7	941.0	1692.9	3411.1	10296.2	11077.5	10980.9	9195.6	5070.4
77.5°	260.4	285.7	378.1	537.7	768.7	1083.8	4742.7	5503.1	5335.0	3230.4	1327.5
80°	184.8	197.4	268.9	369.7	483.1	445.3	1634.1	1940.8	1861.0	878.0	357.1
82.5°	100.8	109.2	197.4	273.1	323.5	226.8	457.9	571.3	596.5	390.7	172.2
85°	37.8	46.2	121.8	193.2	168.0	105.0	134.4	163.8	214.2	214.2	79.8
87.5°	0.0	4.2	50.4	84.0	42.0	29.4	37.8	46.2	58.8	100.8	29.4
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°	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4	3335.4
2.5°	3373.2	3343.8	3356.4	3377.4	3331.2	3356.4	3306.0	3343.8	3356.4	3306.0	3331.2
5°	3415.3	3444.7	3427.9	3394.2	3364.8	3373.2	3360.6	3331.2	3356.4	3364.8	3348.0
7.5°	3537.1	3503.5	3511.9	3474.1	3415.3	3411.1	3331.2	3310.2	3318.6	3327.0	3297.6
10°	3650.5	3671.5	3629.5	3600.1	3503.5	3440.5	3331.2	3213.6	3201.0	3150.6	3192.6
12.5°	3852.1	3801.7	3784.9	3688.3	3591.7	3381.6	3146.4	2965.8	2814.5	2759.9	2705.3
15°	4020.2	4011.8	3982.4	3835.3	3612.7	3230.4	2785.1	2365.1	2075.2	1894.6	1869.4
17.5°	4251.2	4213.4	4158.8	3927.7	3457.3	2835.5	2075.2	1545.9	1256.0	1142.6	1100.6
20°	4427.6	4398.2	4322.6	3906.7	3175.8	2113.0	1285.4	983.0	911.6	890.6	894.8
22.5°	4683.9	4591.5	4448.6	3801.7	2663.3	1407.3	924.2	878.0	865.4	848.6	852.8
25°	4906.5	4822.5	4524.3	3621.1	1898.8	932.6	857.0	831.8	810.8	789.8	785.5
27.5°	5104.0	4999.0	4604.1	3251.4	1188.8	802.4	794.0	764.5	722.5	688.9	676.3
30°	5297.2	5175.4	4625.1	2558.3	802.4	726.7	705.7	659.5	604.9	558.7	550.3
32.5°	5620.7	5473.6	4595.7	1827.3	693.1	646.9	600.7	546.1	466.3	428.5	420.1
35°	6124.8	5902.1	4557.9	1075.4	621.7	571.3	499.9	428.5	369.7	331.9	323.5
37.5°	6704.5	6318.0	4448.6	718.3	571.3	504.1	411.7	340.3	289.9	260.4	252.0
40°	7565.6	6927.1	4028.6	588.1	508.3	428.5	331.9	268.9	231.0	210.0	201.6
42.5°	8515.0	7624.5	3381.6	529.3	449.5	365.5	264.7	218.4	189.0	168.0	168.0
45°	9653.4	8351.2	2608.7	483.1	399.1	302.5	218.4	176.4	151.2	134.4	126.0
47.5°	10922.1	9010.7	1760.1	436.9	336.1	247.8	180.6	134.4	109.2	96.6	96.6
50°	12056.3	9594.6	1121.6	382.3	294.1	205.8	147.0	109.2	88.2	71.4	67.2
52.5°	13085.5	10039.9	772.9	336.1	252.0	168.0	121.8	88.2	67.2	54.6	54.6
55°	14139.9	10266.8	571.3	289.9	218.4	142.8	100.8	79.8	58.8	46.2	42.0
57.5°	15005.3	10363.4	436.9	252.0	184.8	113.4	88.2	67.2	50.4	37.8	33.6
60°	15744.6	10317.2	340.3	210.0	147.0	96.6	75.6	54.6	42.0	29.4	25.2
62.5°	16177.3	10039.9	268.9	180.6	117.6	84.0	63.0	46.2	29.4	21.0	16.8
65°	16185.7	9451.8	210.0	134.4	88.2	71.4	54.6	37.8	21.0	8.4	4.2
67.5°	15026.3	8179.0	168.0	105.0	71.4	54.6	42.0	29.4	8.4	0.0	0.0
70°	11753.8	6187.8	138.6	84.0	58.8	46.2	29.4	16.8	4.2	0.0	0.0
72.5°	7490.0	3705.1	113.4	67.2	50.4	33.6	21.0	12.6	0.0	0.0	0.0
75°	3133.8	1142.6	88.2	58.8	37.8	25.2	16.8	4.2	0.0	0.0	0.0
77.5°	806.6	361.3	71.4	50.4	37.8	21.0	12.6	4.2	0.0	0.0	0.0
80°	239.4	134.4	58.8	42.0	29.4	16.8	8.4	4.2	0.0	0.0	0.0
82.5°	109.2	79.8	50.4	37.8	25.2	16.8	8.4	0.0	0.0	0.0	0.0
85°	42.0	25.2	25.2	21.0	21.0	12.6	4.2	0.0	0.0	0.0	0.0
87.5°	16.8	8.4	8.4	8.4	4.2	4.2	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)