

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: P484396

Luminaire Tested: **IFLD-S-SA3A-740-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484396
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-740-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

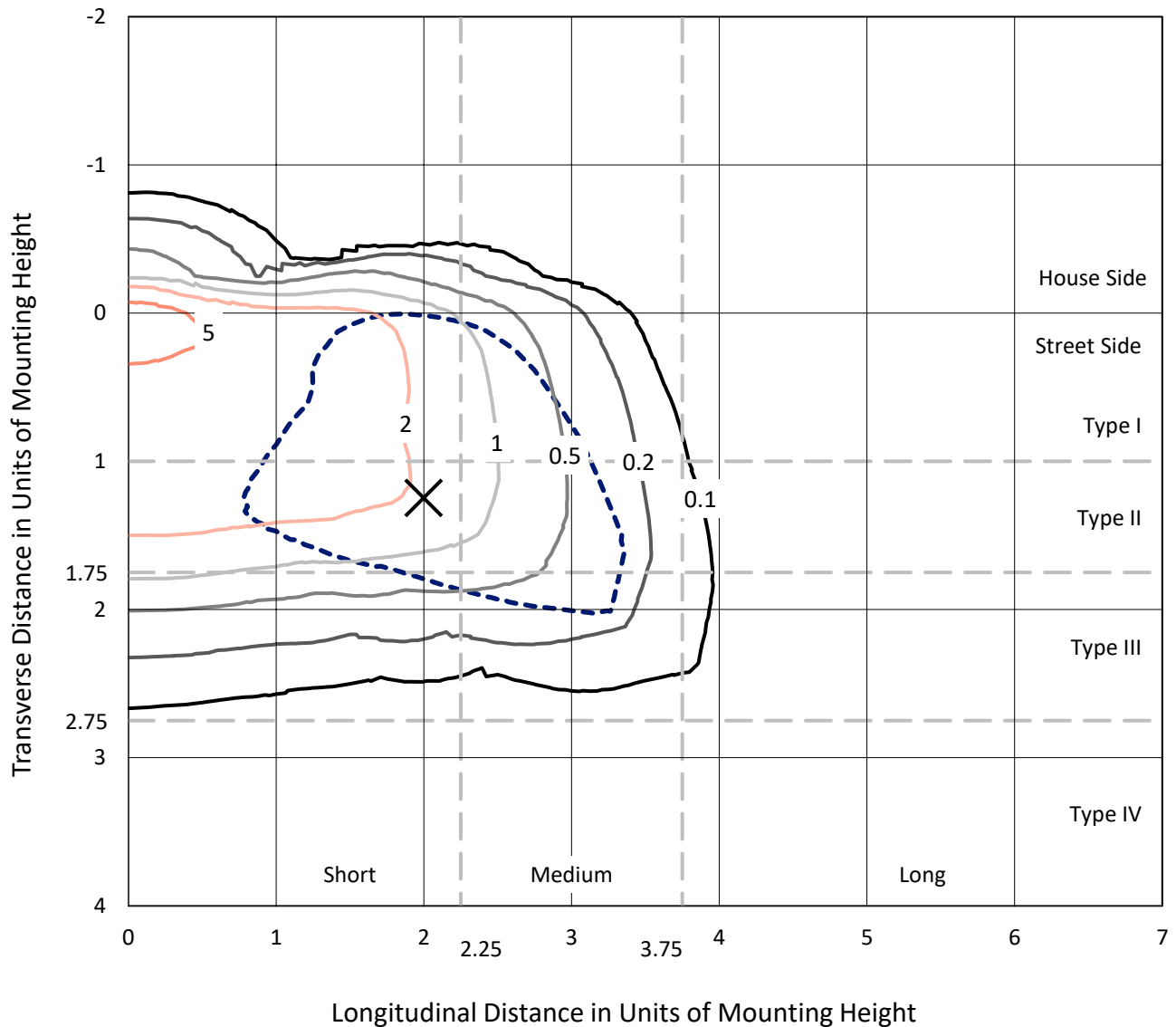
Lumens per Lamp: N/A
Luminaire Lumens: 11506.2 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8
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

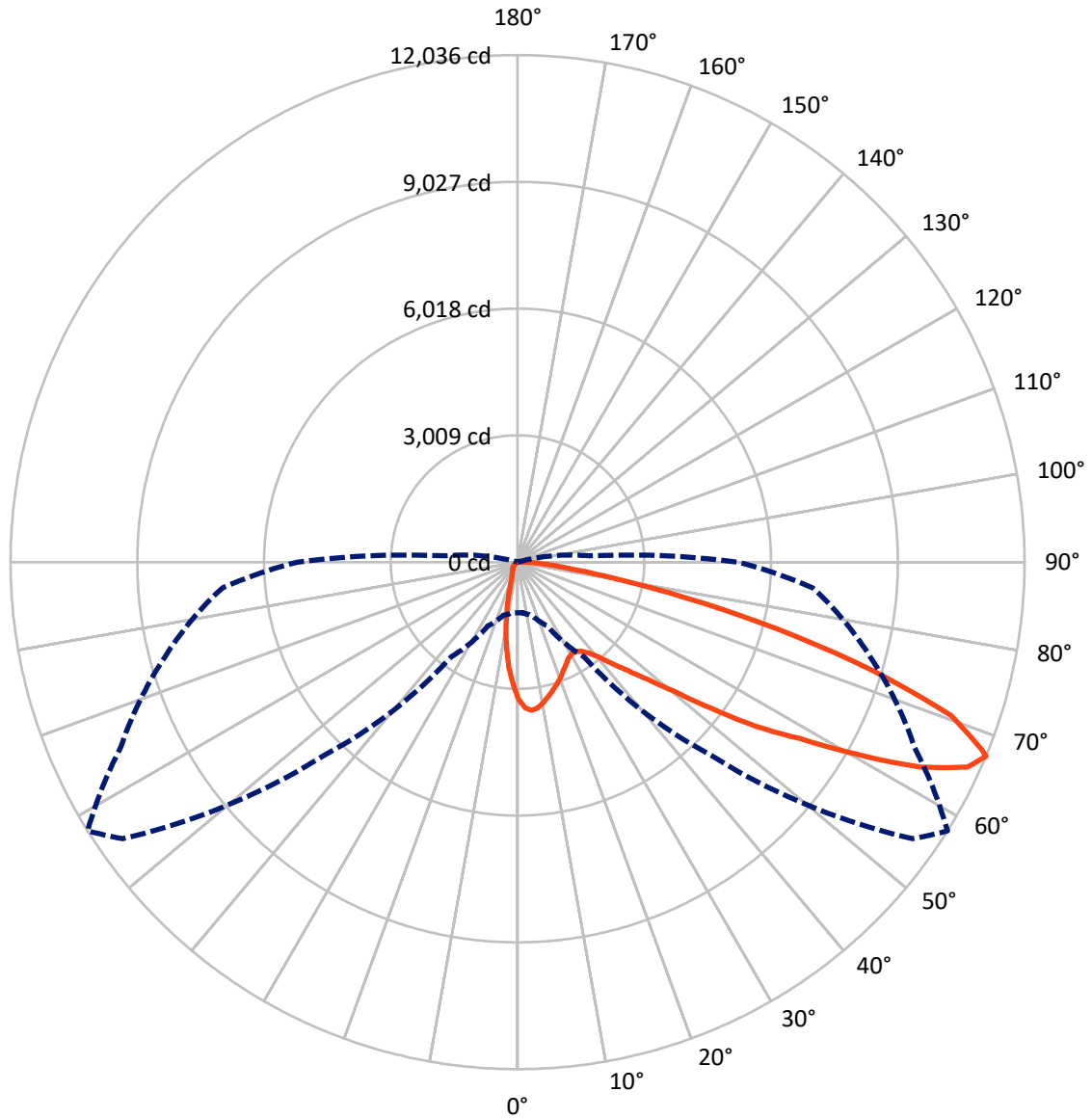
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 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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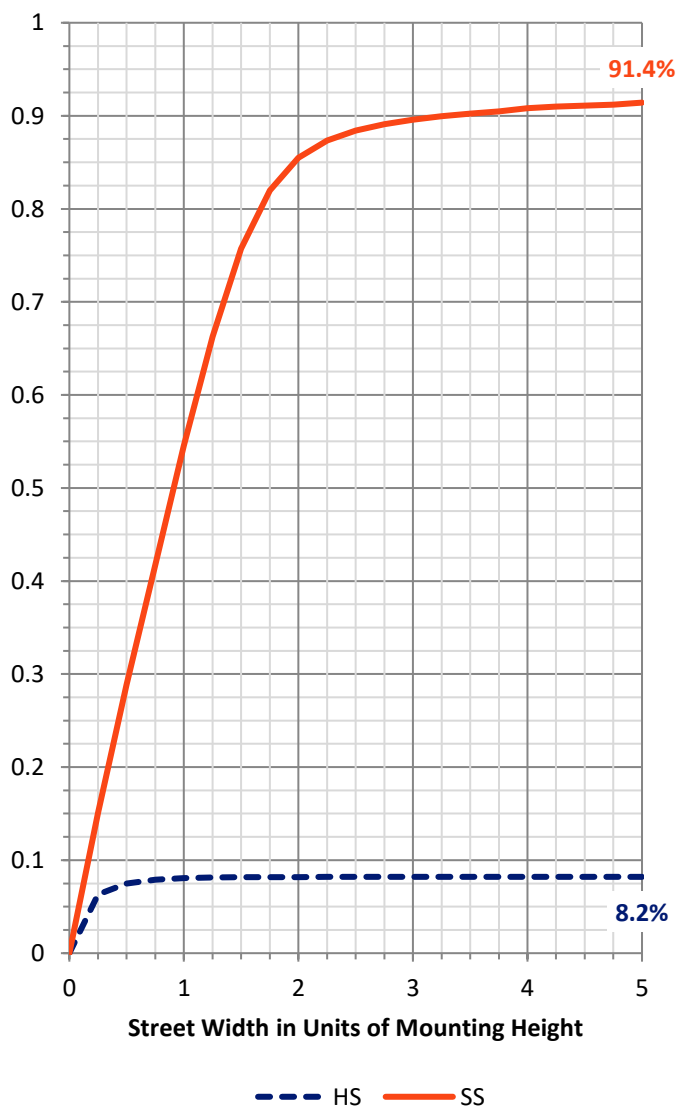
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	951.1	0.0	951.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	10555.1	0.0	10555.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	11506.2	0.0	11506.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	2.2
10°-20°	536.5	4.7
20°-30°	711.8	6.2
30°-40°	986.4	8.6
40°-50°	1609.4	14.0
50°-60°	2828.9	24.6
60°-70°	3133.2	27.2
70°-80°	1298.4	11.3
80°-90°	142.9	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°	11506.2	100.0
0°-180°	11506.2	100.0

Coefficient of Utilization

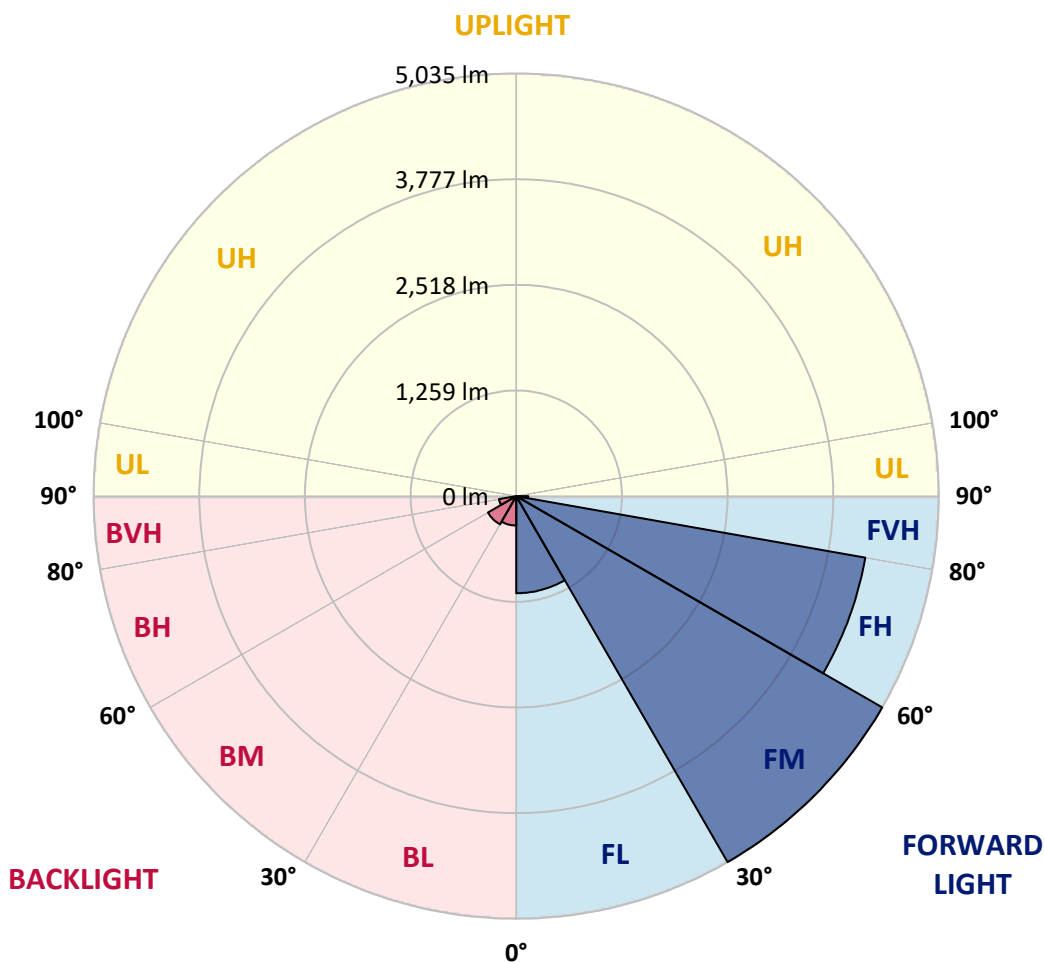


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1156.7	10.1			
FM (30°-60°)	5035.3	43.8			
FH (60°-80°)	4222.5	36.7			G2/5000
FVH (80°-90°)	140.6	1.2			G2/225
BL (0°-30°)	350.3	3.0	B1/500		
BM (30°-60°)	389.3	3.4	B1/1000		
BH (60°-80°)	209.1	1.8	B1/500		G1/500
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9
2.5°	3547.0	3559.3	3570.0	3550.1	3566.9	3542.5	3479.8	3466.1	3455.4	3362.2	3308.7
5°	3545.5	3531.8	3542.5	3551.6	3528.7	3547.0	3531.8	3533.3	3492.1	3408.0	3258.3
7.5°	3308.7	3302.6	3308.7	3353.0	3403.5	3443.2	3466.1	3489.0	3461.5	3336.2	3191.1
10°	2989.5	3020.0	3036.8	3116.3	3194.2	3267.5	3339.3	3382.1	3374.4	3324.0	3117.8
12.5°	2766.5	2757.3	2818.4	2870.3	2948.2	3096.4	3221.7	3261.4	3307.2	3236.9	3021.6
15°	2560.2	2535.8	2572.4	2662.6	2795.5	2913.1	3088.8	3148.3	3206.4	3224.7	2969.6
17.5°	2363.2	2375.4	2413.6	2494.5	2619.8	2784.8	2949.8	3035.3	3174.3	3149.9	2891.7
20°	2268.5	2294.4	2308.2	2349.4	2436.5	2601.5	2847.4	2916.2	3064.3	3148.3	2815.3
22.5°	2273.0	2273.0	2241.0	2265.4	2344.8	2473.2	2708.4	2784.8	3020.0	3068.9	2746.6
25°	2321.9	2291.4	2292.9	2263.9	2297.5	2367.8	2583.1	2676.3	2929.9	3076.6	2709.9
27.5°	2358.6	2352.5	2343.3	2335.7	2292.9	2303.6	2500.7	2577.0	2894.8	3067.4	2653.4
30°	2491.5	2464.0	2454.8	2438.0	2381.5	2329.6	2435.0	2531.2	2867.3	3088.8	2621.3
32.5°	2603.0	2607.6	2615.2	2566.3	2517.5	2389.1	2453.3	2529.7	2847.4	3137.7	2653.4
35°	2743.5	2763.4	2766.5	2751.2	2699.2	2572.4	2529.7	2595.4	2881.0	3224.7	2656.5
37.5°	2957.4	2936.0	2994.1	3000.2	2963.5	2795.5	2706.9	2732.8	2980.3	3363.7	2772.6
40°	3096.4	3122.4	3230.8	3298.0	3235.4	3082.7	2963.5	2958.9	3123.9	3582.2	2916.2
42.5°	3250.7	3308.7	3427.9	3573.0	3565.4	3423.3	3302.6	3282.8	3379.0	3898.4	3143.8
45°	3461.5	3513.4	3679.9	3898.4	4017.5	3896.9	3715.1	3675.4	3689.1	4329.2	3531.8
47.5°	3811.3	3797.6	4037.4	4252.8	4448.3	4355.1	4277.2	4161.1	4150.4	4836.3	4068.0
50°	4207.0	4203.9	4417.8	4662.2	4888.3	5070.0	4940.2	4813.4	4816.5	5525.3	4698.8
52.5°	4582.7	4642.3	4873.0	5115.9	5503.9	5699.4	5824.7	5774.3	5531.4	6140.9	5374.0
55°	4781.3	4833.3	5062.4	5481.0	6093.5	6596.1	6935.2	6892.5	6423.5	6834.4	6040.1
57.5°	4593.4	4628.6	4938.7	5487.1	6506.0	7627.2	7952.6	7899.1	7346.1	7364.5	6845.1
60°	3806.7	3861.7	4323.1	4966.2	6345.6	8421.6	9353.4	9272.4	8186.3	8035.1	7362.9
62.5°	2636.6	2673.3	3052.1	3852.6	5584.8	8698.1	10676.3	10720.6	9072.3	8557.5	7517.2
65°	1707.8	1704.8	1921.7	2464.0	3958.0	7860.9	11458.4	11733.4	9927.8	8636.9	7469.9
67°	1206.8	1202.2	1304.6	1671.2	2740.5	6476.9	11444.6	12035.8	10392.1	8659.9	7031.5
67.5°	1113.6	1109.0	1206.8	1536.7	2473.2	6023.3	11273.6	11880.0	10555.6	8627.8	6839.0
70°	864.6	852.4	889.1	1058.6	1440.5	3895.3	9648.2	10913.0	10216.5	7827.3	5461.1
72.5°	624.8	638.5	696.6	869.2	1130.4	2095.8	7353.8	8824.8	8533.1	5899.5	3470.7
75°	435.4	447.6	540.8	708.8	1037.2	1270.9	4972.3	6400.6	5943.8	3256.8	1478.7
77.5°	227.6	242.9	345.2	566.7	942.5	983.8	2971.1	4058.8	3149.9	1159.4	407.9
80°	105.4	113.0	172.6	401.8	788.2	864.6	1732.3	2257.8	1260.3	259.7	140.5
82.5°	45.8	50.4	79.4	230.7	559.1	756.2	1072.4	1183.9	456.7	84.0	87.1
85°	9.2	10.7	30.6	122.2	270.4	458.3	753.1	702.7	229.1	41.2	68.7
87.5°	0.0	0.0	7.6	35.1	73.3	136.0	319.3	319.3	70.3	21.4	26.0
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°	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9	3259.9
2.5°	3261.4	3206.4	3085.7	2974.2	2894.8	2804.6	2685.5	2632.0	2612.2	2584.7	2543.4
5°	3175.8	3108.6	2902.4	2694.7	2467.0	2294.4	2111.1	2004.2	1923.2	1872.8	1856.0
7.5°	3055.2	2917.7	2639.7	2306.6	2011.8	1755.2	1477.2	1289.3	1168.6	1119.7	1073.9
10°	2958.9	2780.2	2357.1	1943.1	1550.5	1174.7	861.6	696.6	571.3	524.0	517.9
12.5°	2833.7	2619.8	2092.8	1571.9	1078.5	699.6	476.6	414.0	378.8	372.7	368.1
15°	2729.8	2474.7	1842.3	1217.5	698.1	436.9	371.2	355.9	346.8	343.7	345.2
17.5°	2659.5	2318.9	1585.6	886.0	459.8	357.5	342.2	333.0	328.4	326.9	322.3
20°	2520.5	2187.5	1332.1	620.2	359.0	330.0	317.7	310.1	305.5	304.0	302.5
22.5°	2441.1	2021.0	1078.5	432.3	319.3	299.4	290.2	284.1	276.5	271.9	270.4
25°	2361.6	1898.8	852.4	336.1	290.2	276.5	262.7	255.1	242.9	236.8	235.2
27.5°	2268.5	1778.1	656.9	291.8	261.2	247.5	233.7	221.5	206.2	200.1	197.1
30°	2215.0	1660.5	494.9	261.2	239.8	221.5	204.7	189.4	172.6	161.9	158.9
32.5°	2187.5	1553.6	371.2	238.3	216.9	197.1	175.7	157.3	142.1	132.9	131.4
35°	2153.9	1449.7	291.8	216.9	195.5	174.1	152.8	134.4	119.2	111.5	108.5
37.5°	2189.0	1388.6	242.9	200.1	178.7	154.3	131.4	113.0	100.8	93.2	91.7
40°	2285.3	1338.2	210.8	184.8	161.9	136.0	114.6	96.2	85.5	79.4	76.4
42.5°	2433.4	1338.2	190.9	169.6	146.6	119.2	97.8	84.0	73.3	67.2	65.7
45°	2702.3	1379.4	174.1	154.3	128.3	102.3	84.0	70.3	59.6	53.5	51.9
47.5°	3079.6	1474.1	160.4	140.5	114.6	90.1	73.3	59.6	48.9	42.8	41.2
50°	3586.8	1689.5	146.6	123.7	102.3	77.9	61.1	47.4	38.2	32.1	30.6
52.5°	4219.2	1995.0	132.9	114.6	87.1	65.7	48.9	38.2	29.0	24.4	22.9
55°	4888.3	2369.3	116.1	102.3	74.9	55.0	39.7	29.0	21.4	18.3	16.8
57.5°	5561.9	2658.0	102.3	88.6	61.1	44.3	32.1	22.9	15.3	12.2	10.7
60°	5919.4	2685.5	88.6	73.3	48.9	35.1	24.4	16.8	10.7	7.6	6.1
62.5°	5974.4	2441.1	76.4	59.6	39.7	27.5	16.8	12.2	6.1	3.1	3.1
65°	5691.8	2034.7	65.7	47.4	30.6	19.9	12.2	7.6	3.1	1.5	0.0
67°	5233.5	1704.8	56.5	39.7	24.4	15.3	9.2	4.6	1.5	0.0	0.0
67.5°	5056.3	1613.1	53.5	36.7	22.9	13.7	7.6	4.6	1.5	0.0	0.0
70°	3924.4	1151.8	39.7	26.0	16.8	10.7	6.1	3.1	0.0	0.0	0.0
72.5°	2404.4	673.7	30.6	18.3	12.2	7.6	4.6	1.5	0.0	0.0	0.0
75°	1008.2	232.2	26.0	13.7	9.2	4.6	3.1	1.5	0.0	0.0	0.0
77.5°	262.7	87.1	18.3	9.2	6.1	4.6	3.1	1.5	0.0	0.0	0.0
80°	106.9	39.7	12.2	6.1	6.1	4.6	3.1	1.5	0.0	0.0	0.0
82.5°	70.3	18.3	7.6	6.1	4.6	3.1	1.5	0.0	0.0	0.0	0.0
85°	53.5	10.7	4.6	4.6	3.1	1.5	0.0	0.0	0.0	0.0	0.0
87.5°	22.9	6.1	4.6	3.1	3.1	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)