

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: P483852

Luminaire Tested: **IFLD-S-SA3C-722-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483852  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-722-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

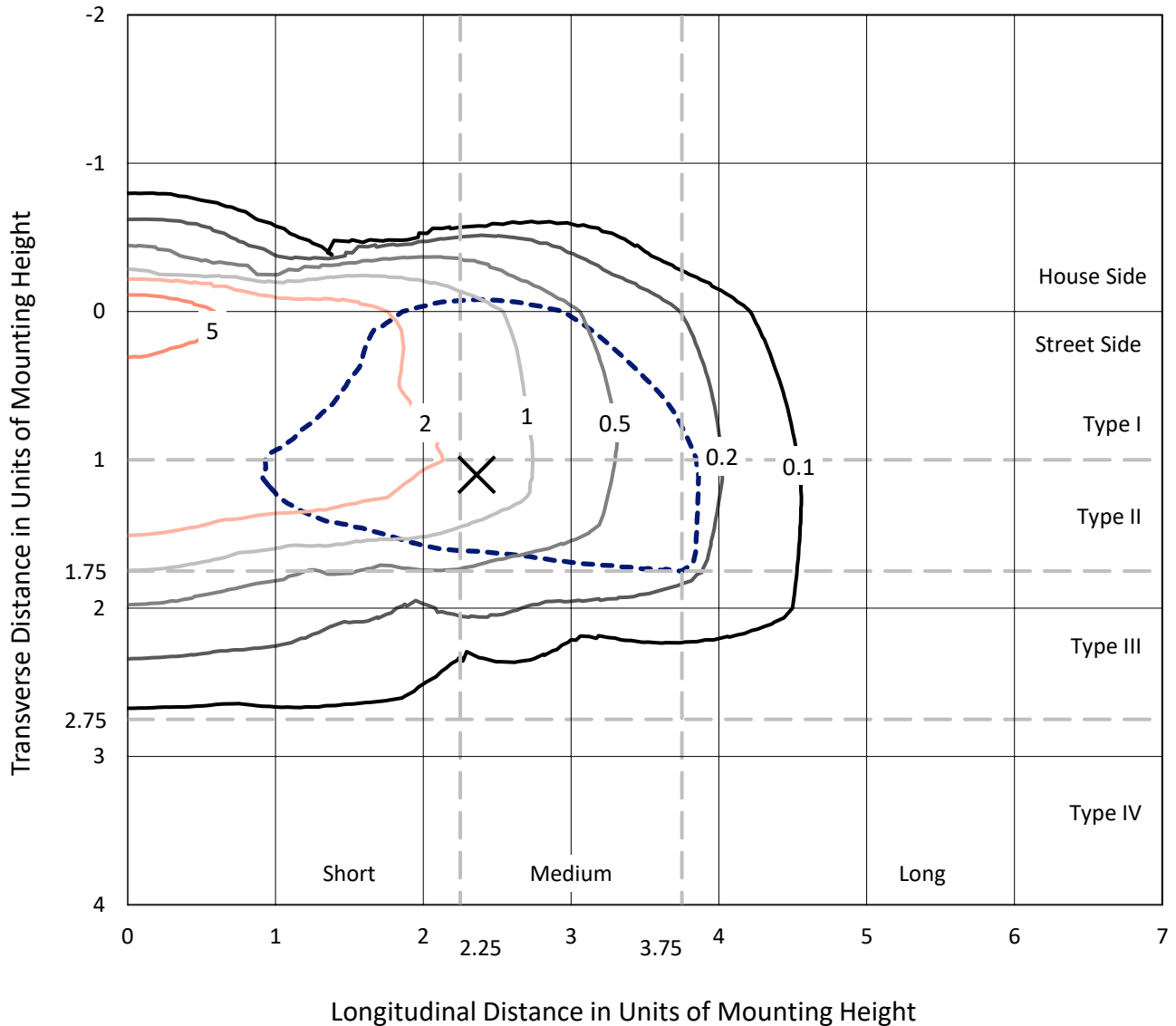
Lumens per Lamp: N/A  
Luminaire Lumens: 12841.8 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 160.8  
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

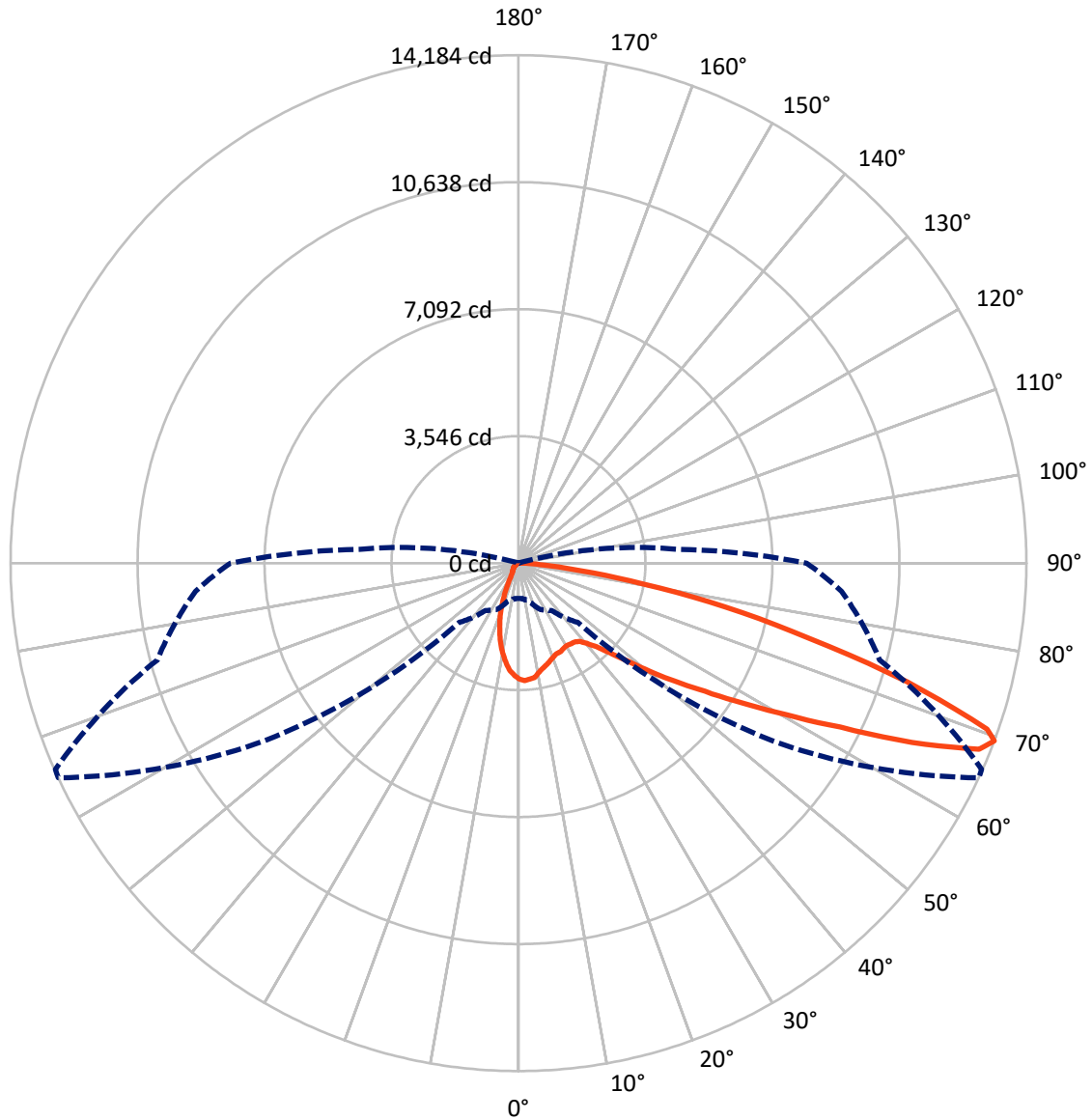
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1557.8	0.0	1557.8
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	11284.0	0.0	11284.0
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	12841.8	0.0	12841.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.9	2.1
10°-20°	579.7	4.5
20°-30°	807.1	6.3
30°-40°	1143.7	8.9
40°-50°	1802.5	14.0
50°-60°	2924.8	22.8
60°-70°	3266.4	25.4
70°-80°	1839.3	14.3
80°-90°	213.4	1.7
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°	12841.8	100.0
0°-180°	12841.8	100.0



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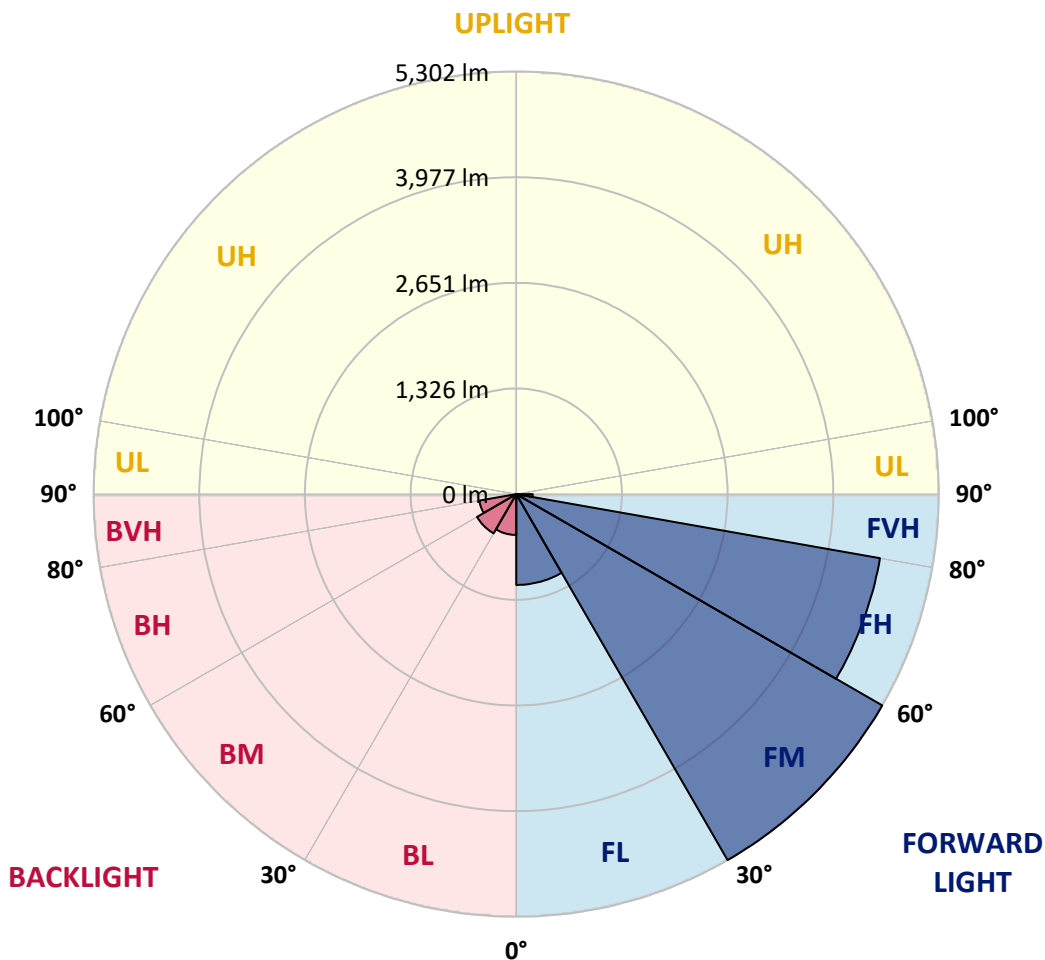
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1139.6	8.9			
FM (30°-60°)	5302.5	41.3			
FH (60°-80°)	4634.4	36.1			G2/5000
FVH (80°-90°)	207.5	1.6			G2/225
BL (0°-30°)	512.2	4.0	B2/1000		
BM (30°-60°)	568.4	4.4	B1/1000		
BH (60°-80°)	471.3	3.7	B1/500		G1/500
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7
2.5°	3118.2	3142.4	3149.4	3173.6	3185.7	3237.7	3267.2	3284.5	3275.8	3294.9	3296.6
5°	2896.4	2882.6	2919.0	2945.0	3000.4	3090.5	3182.3	3253.3	3286.2	3317.4	3312.2
7.5°	2659.1	2652.2	2688.6	2747.5	2797.7	2906.8	3054.1	3229.1	3222.1	3298.3	3320.9
10°	2496.3	2503.2	2515.3	2574.2	2648.7	2759.6	2943.2	3106.1	3142.4	3303.5	3348.6
12.5°	2347.3	2359.4	2381.9	2442.6	2529.2	2643.5	2822.0	3012.5	3067.9	3274.1	3364.2
15°	2298.8	2271.1	2316.1	2361.2	2451.2	2553.4	2704.2	2941.5	2965.7	3239.4	3390.2
17.5°	2259.0	2241.6	2262.4	2298.8	2394.1	2477.2	2619.3	2865.3	2910.3	3225.6	3386.7
20°	2271.1	2255.5	2264.1	2291.9	2335.2	2413.1	2544.8	2792.5	2841.0	3161.5	3381.5
22.5°	2305.7	2317.9	2302.3	2309.2	2323.0	2362.9	2504.9	2740.5	2782.1	3149.4	3410.9
25°	2461.6	2440.8	2420.1	2411.4	2330.0	2347.3	2492.8	2737.1	2766.5	3106.1	3386.7
27.5°	2624.5	2607.1	2598.5	2548.2	2437.4	2385.4	2494.5	2688.6	2728.4	3088.7	3357.2
30°	2822.0	2844.5	2809.8	2749.2	2595.0	2466.8	2513.6	2664.3	2719.7	3022.9	3338.2
32.5°	3029.8	3042.0	3059.3	3014.2	2815.0	2589.8	2570.8	2686.8	2690.3	3022.9	3294.9
35°	3265.4	3248.1	3293.1	3296.6	3121.6	2808.1	2679.9	2702.4	2738.8	3009.0	3279.3
37.5°	3468.1	3497.6	3549.5	3632.7	3452.5	3116.5	2849.7	2775.2	2790.8	3073.1	3291.4
40°	3689.9	3719.3	3837.1	3920.3	3818.0	3462.9	3107.8	2945.0	2957.1	3168.4	3353.8
42.5°	3934.1	3991.3	4131.6	4277.1	4249.4	3902.9	3440.4	3194.4	3189.2	3405.8	3482.0
45°	4265.0	4341.2	4493.7	4661.7	4685.9	4407.0	3883.9	3566.9	3584.2	3715.8	3747.0
47.5°	4725.8	4722.3	4871.3	5058.4	5198.7	4930.2	4414.0	4067.5	4065.8	4206.1	4140.3
50°	5171.0	5172.7	5212.6	5429.1	5792.9	5656.0	5070.5	4732.7	4713.7	4782.9	4677.3
52.5°	5377.1	5352.9	5323.4	5585.0	6250.2	6570.7	5902.0	5486.3	5470.7	5429.1	5401.4
55°	5160.6	5169.3	5167.5	5439.5	6491.0	7535.6	6969.1	6316.1	6290.1	6160.1	6198.3
57.5°	4465.9	4438.2	4498.8	4923.3	6215.6	8193.9	8495.3	7362.4	7294.8	6863.5	6776.9
60°	3324.3	3333.0	3383.2	3883.9	5531.3	8332.5	9955.7	8590.6	8299.6	7358.9	7239.4
62.5°	2321.3	2304.0	2323.0	2603.7	3954.9	7778.1	10943.1	10083.9	9803.2	7921.9	7852.6
65°	1661.3	1638.8	1715.0	1886.5	2375.0	5947.1	11083.4	12072.6	11821.4	8821.0	8654.7
67.5°	1195.3	1191.8	1280.2	1592.0	1687.3	3424.8	10044.0	13874.2	13721.7	9888.1	9143.2
69°	989.2	990.9	1075.8	1425.7	1611.1	2338.6	8642.6	14184.3	14156.6	10439.0	9051.4
70°	862.7	869.6	968.4	1327.0	1579.9	1922.9	7450.7	13879.4	13851.7	10546.4	8748.2
72.5°	531.8	537.0	666.9	1063.6	1501.9	1569.5	4455.5	11355.4	11450.7	10054.4	7537.3
75°	254.7	256.4	349.9	769.2	1448.2	1488.1	2387.1	8379.3	8580.2	8117.7	5889.9
77.5°	135.1	135.1	168.0	408.8	1172.8	1399.7	1417.0	5910.7	6077.0	5132.9	3348.6
80°	67.6	69.3	102.2	213.1	727.6	1372.0	1107.0	3525.3	3615.4	2094.4	1042.9
82.5°	26.0	27.7	48.5	128.2	377.6	1158.9	971.8	1734.1	1711.5	490.2	254.7
85°	3.5	3.5	17.3	76.2	161.1	511.0	802.1	724.1	699.9	107.4	123.0
87.5°	0.0	0.0	3.5	22.5	48.5	149.0	310.1	199.2	221.7	29.4	60.6
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°	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7	3237.7
2.5°	3288.0	3251.6	3196.1	3142.4	3085.3	3016.0	2939.8	2912.0	2863.5	2860.1	2887.8
5°	3284.5	3225.6	3128.6	3014.2	2851.4	2728.4	2595.0	2498.0	2423.5	2375.0	2387.1
7.5°	3301.8	3230.8	3062.7	2816.8	2607.1	2362.9	2156.7	2014.7	1884.8	1820.7	1813.7
10°	3274.1	3178.8	2932.8	2588.1	2279.7	1938.5	1637.0	1446.5	1252.5	1181.4	1184.9
12.5°	3289.7	3156.3	2792.5	2352.5	1928.1	1484.6	1124.3	864.4	682.5	623.6	616.7
15°	3300.1	3107.8	2657.4	2070.1	1538.3	1011.7	651.4	490.2	433.1	422.7	421.0
17.5°	3260.2	3048.9	2466.8	1791.2	1139.9	615.0	433.1	400.2	389.8	382.8	379.4
20°	3258.5	3014.2	2302.3	1505.4	760.5	419.2	374.2	362.1	346.5	341.3	341.3
22.5°	3229.1	2941.5	2104.8	1191.8	485.1	360.3	336.1	317.0	299.7	292.8	291.0
25°	3220.4	2856.6	1919.4	895.6	369.0	322.2	298.0	270.2	249.5	239.1	233.9
27.5°	3196.1	2783.8	1732.3	630.6	322.2	287.6	256.4	226.9	202.7	187.1	185.4
30°	3109.5	2707.6	1524.4	436.5	292.8	254.7	220.0	185.4	161.1	150.7	147.2
32.5°	3073.1	2636.6	1297.5	336.1	266.8	225.2	185.4	154.2	135.1	124.7	123.0
35°	3029.8	2532.7	1077.5	292.8	242.5	195.8	155.9	129.9	114.3	105.7	105.7
37.5°	3035.0	2449.5	871.4	265.0	216.5	168.0	133.4	110.9	97.0	88.3	88.3
40°	3019.4	2383.7	677.3	240.8	192.3	143.8	112.6	93.5	81.4	72.8	71.0
42.5°	3090.5	2366.4	511.0	220.0	168.0	123.0	97.0	79.7	67.6	57.2	57.2
45°	3210.0	2394.1	398.4	200.9	143.8	105.7	83.2	65.8	53.7	46.8	45.0
47.5°	3528.7	2503.2	311.8	185.4	123.0	91.8	69.3	53.7	43.3	36.4	34.6
50°	3991.3	2747.5	265.0	162.8	103.9	78.0	57.2	41.6	34.6	27.7	26.0
52.5°	4649.6	3158.0	240.8	143.8	86.6	64.1	45.0	32.9	26.0	20.8	19.1
55°	5366.7	3670.8	218.3	121.3	72.8	52.0	36.4	26.0	19.1	13.9	12.1
57.5°	5926.3	4114.3	199.2	100.5	58.9	41.6	27.7	19.1	13.9	8.7	6.9
60°	6537.8	4426.1	175.0	79.7	48.5	31.2	20.8	13.9	10.4	5.2	5.2
62.5°	7168.4	4791.6	143.8	62.4	38.1	24.3	15.6	10.4	6.9	1.7	1.7
65°	8044.9	5077.4	110.9	48.5	29.4	17.3	12.1	8.7	3.5	0.0	0.0
67.5°	8292.6	4937.1	81.4	38.1	20.8	12.1	8.7	5.2	1.7	0.0	0.0
69°	8044.9	4446.9	71.0	32.9	17.3	10.4	6.9	3.5	1.7	0.0	0.0
70°	7592.8	4065.8	62.4	27.7	15.6	10.4	5.2	3.5	1.7	0.0	0.0
72.5°	6350.7	3118.2	48.5	20.8	12.1	8.7	5.2	3.5	0.0	0.0	0.0
75°	4658.2	1926.3	36.4	15.6	10.4	6.9	5.2	3.5	0.0	0.0	0.0
77.5°	2496.3	703.3	26.0	10.4	6.9	5.2	5.2	3.5	0.0	0.0	0.0
80°	684.3	207.9	19.1	6.9	5.2	3.5	3.5	1.7	0.0	0.0	0.0
82.5°	187.1	53.7	12.1	6.9	5.2	3.5	1.7	0.0	0.0	0.0	0.0
85°	100.5	20.8	6.9	5.2	3.5	1.7	0.0	0.0	0.0	0.0	0.0
87.5°	52.0	6.9	5.2	3.5	3.5	1.7	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)