

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: P484003

Luminaire Tested: **IFLD-S-SA2C-740-U-SL2-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P484003  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-740-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

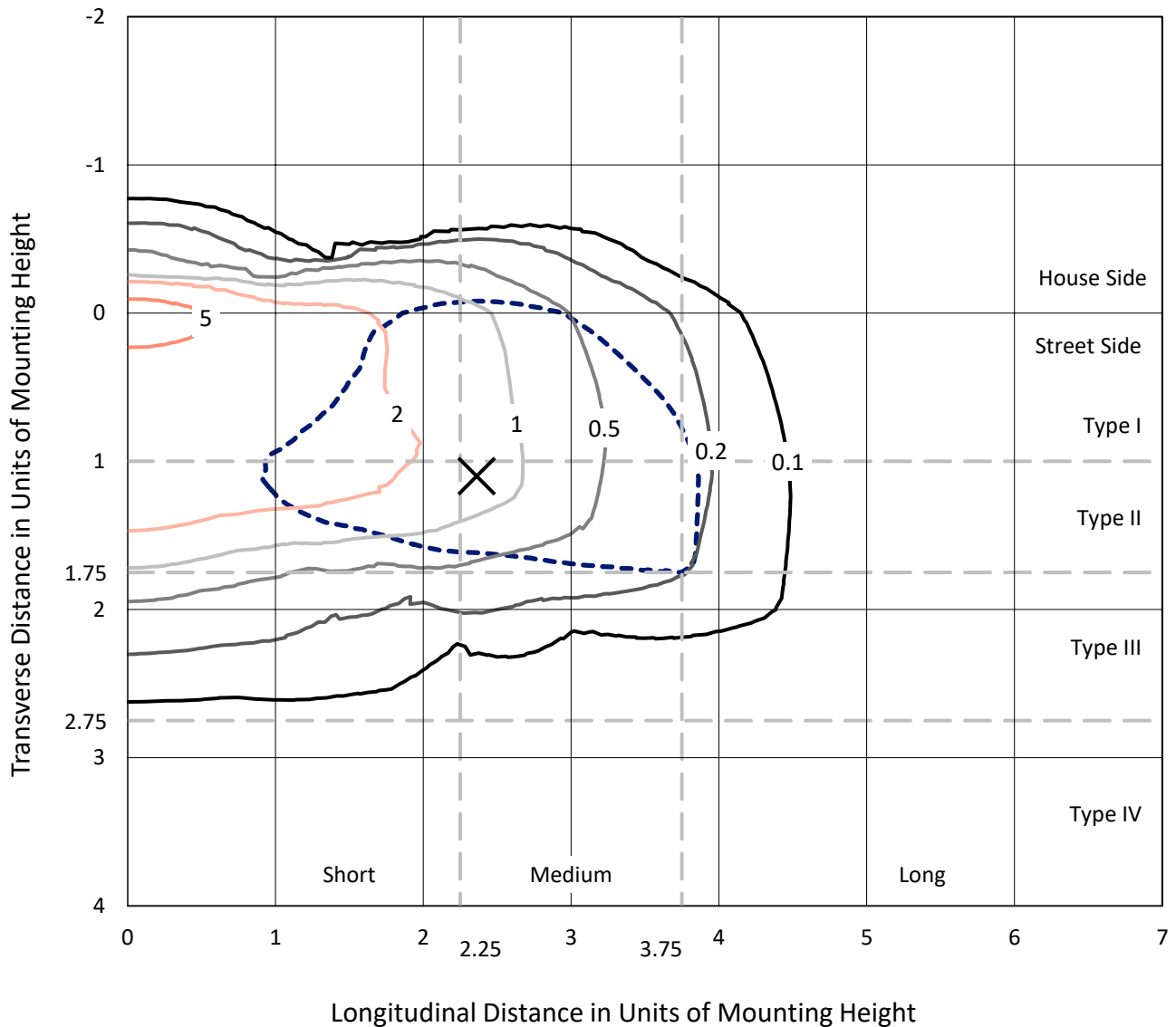
Lumens per Lamp: N/A  
Luminaire Lumens: 11698.4 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2  
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

REPORT NUMBER: P484003  
 CATALOG NUMBER: IFLD-S-SA2C-740-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

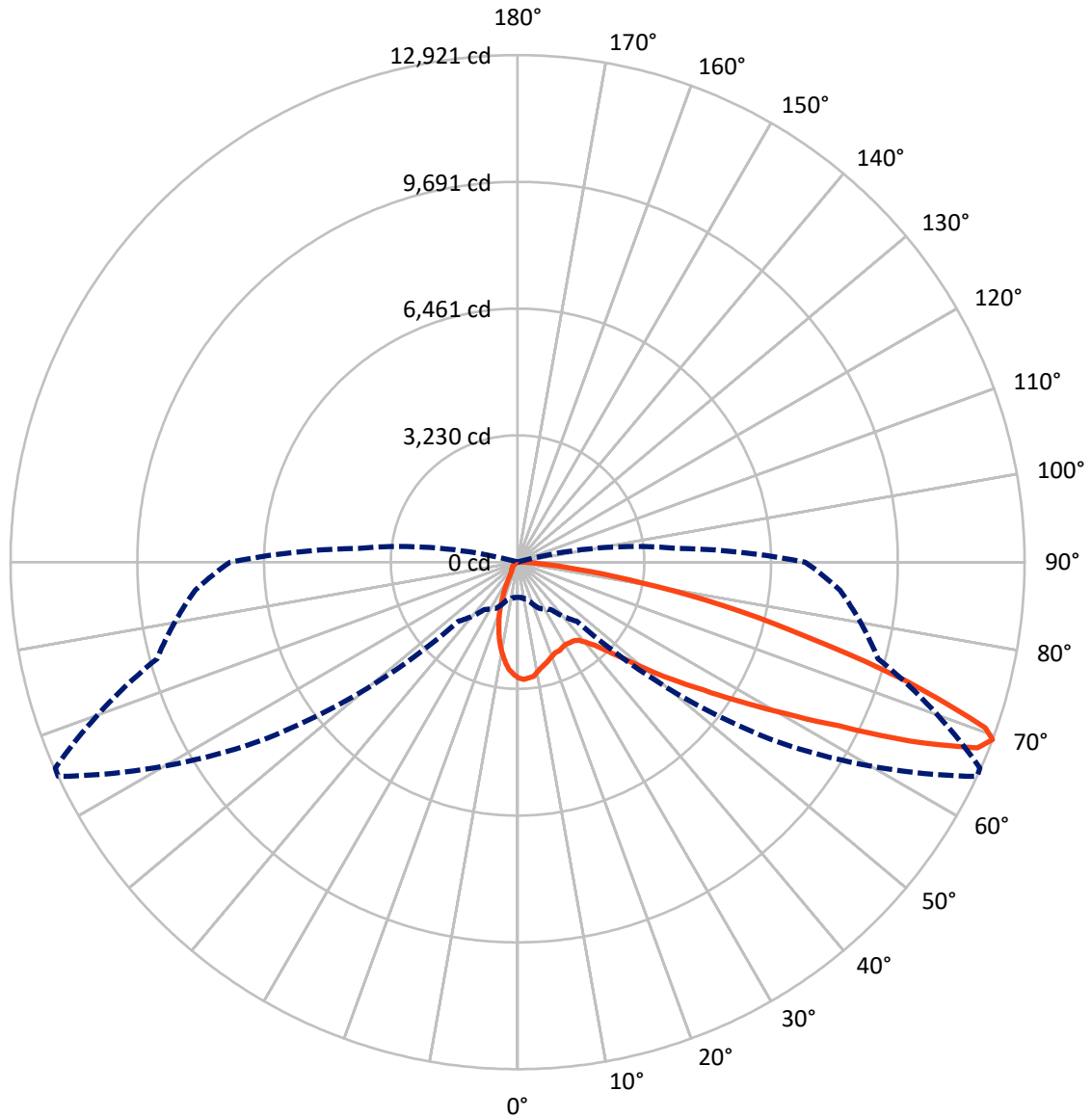
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Medium - N/A

REPORT NUMBER: P484003  
CATALOG NUMBER: IFLD-S-SA2C-740-U-SL2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P484003  
 CATALOG NUMBER: IFLD-S-SA2C-740-U-SL2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1419.1	0.0	1419.1
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	10279.3	0.0	10279.3
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	11698.4	0.0	11698.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.4	2.1
10°-20°	528.1	4.5
20°-30°	735.2	6.3
30°-40°	1041.9	8.9
40°-50°	1642.0	14.0
50°-60°	2664.3	22.8
60°-70°	2975.5	25.4
70°-80°	1675.6	14.3
80°-90°	194.4	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°	11698.4	100.0
0°-180°	11698.4	100.0

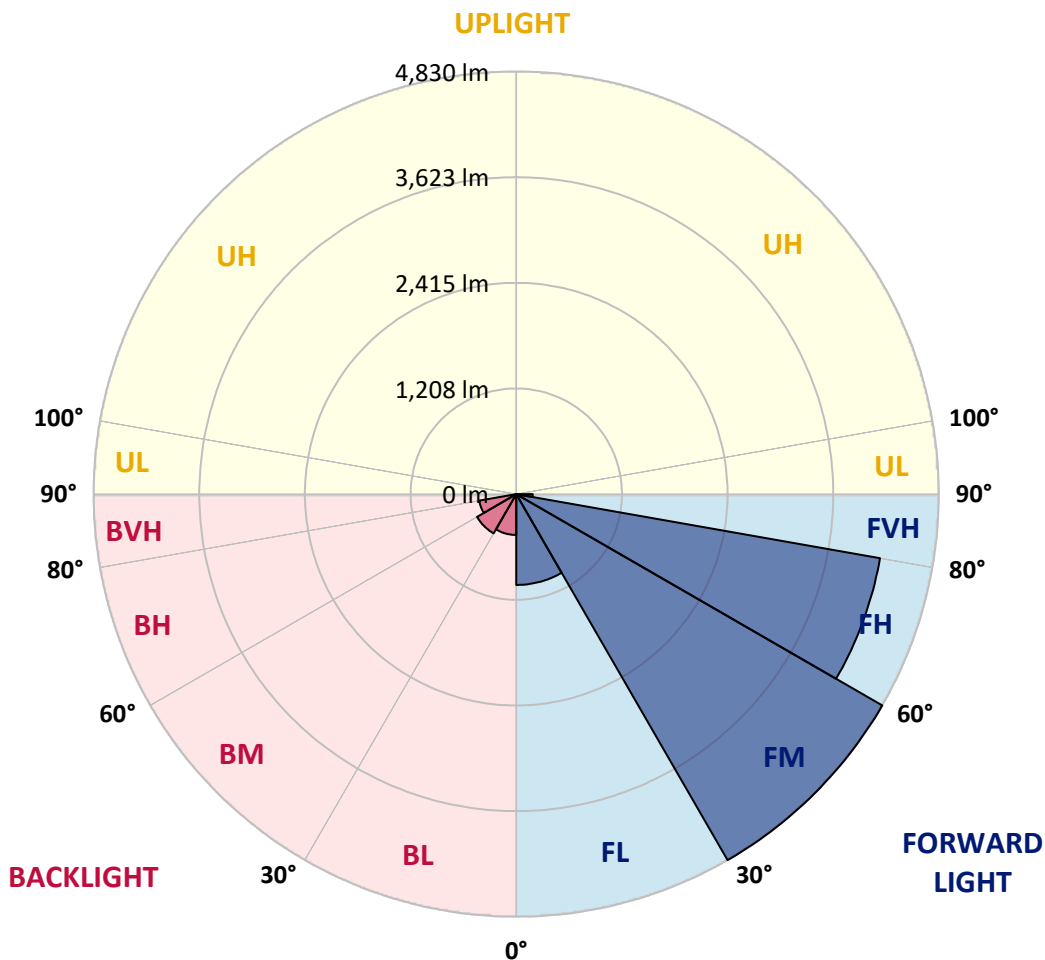


REPORT NUMBER: P484003  
 CATALOG NUMBER: IFLD-S-SA2C-740-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1038.1	8.9			
FM (30°-60°)	4830.4	41.3			
FH (60°-80°)	4221.7	36.1			G2/5000
FVH (80°-90°)	189.1	1.6			G2/225
BL (0°-30°)	466.6	4.0	B1/500		
BM (30°-60°)	517.8	4.4	B1/1000		
BH (60°-80°)	429.4	3.7	B1/500		G1/500
BVH (80°-90°)	5.4	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 II Medium





REPORT NUMBER: P484003

CATALOG NUMBER: IFLD-S-SA2C-740-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4
2.5°	2840.5	2862.6	2868.9	2891.0	2902.1	2949.4	2976.3	2992.0	2984.1	3001.5	3003.1
5°	2638.5	2625.9	2659.1	2682.7	2733.2	2815.3	2898.9	2963.6	2993.6	3022.0	3017.3
7.5°	2422.4	2416.0	2449.2	2502.8	2548.6	2648.0	2782.2	2941.5	2935.2	3004.7	3025.2
10°	2274.0	2280.3	2291.4	2345.0	2412.9	2513.9	2681.2	2829.5	2862.6	3009.4	3050.4
12.5°	2138.3	2149.3	2169.9	2225.1	2304.0	2408.2	2570.7	2744.3	2794.8	2982.6	3064.6
15°	2094.1	2068.9	2109.9	2150.9	2233.0	2326.1	2463.4	2679.6	2701.7	2951.0	3088.3
17.5°	2057.8	2042.0	2061.0	2094.1	2180.9	2256.7	2386.1	2610.1	2651.2	2938.4	3085.1
20°	2068.9	2054.7	2062.6	2087.8	2127.3	2198.3	2318.2	2543.9	2588.1	2880.0	3080.4
22.5°	2100.4	2111.5	2097.3	2103.6	2116.2	2152.5	2281.9	2496.5	2534.4	2868.9	3107.2
25°	2242.5	2223.5	2204.6	2196.7	2122.5	2138.3	2270.9	2493.4	2520.2	2829.5	3085.1
27.5°	2390.8	2375.0	2367.1	2321.4	2220.4	2173.0	2272.4	2449.2	2485.5	2813.7	3058.3
30°	2570.7	2591.2	2559.6	2504.4	2364.0	2247.2	2289.8	2427.1	2477.6	2753.7	3041.0
32.5°	2760.1	2771.1	2786.9	2745.9	2564.4	2359.2	2341.9	2447.6	2450.8	2753.7	3001.5
35°	2974.7	2958.9	2999.9	3003.1	2843.7	2558.1	2441.3	2461.8	2494.9	2741.1	2987.3
37.5°	3159.3	3186.1	3233.5	3309.2	3145.1	2839.0	2595.9	2528.1	2542.3	2799.5	2998.4
40°	3361.3	3388.1	3495.4	3571.2	3478.1	3154.6	2831.1	2682.7	2693.8	2886.3	3055.2
42.5°	3583.8	3635.9	3763.7	3896.3	3871.0	3555.4	3134.1	2910.0	2905.2	3102.5	3171.9
45°	3885.2	3954.7	4093.5	4246.6	4268.7	4014.6	3538.1	3249.3	3265.0	3385.0	3413.4
47.5°	4305.0	4301.8	4437.6	4608.0	4735.8	4491.2	4020.9	3705.3	3703.8	3831.6	3771.6
50°	4710.6	4712.1	4748.4	4945.7	5277.1	5152.4	4619.0	4311.3	4294.0	4357.1	4260.8
52.5°	4898.4	4876.3	4849.4	5087.7	5693.7	5985.7	5376.5	4997.8	4983.6	4945.7	4920.5
55°	4701.1	4709.0	4707.4	4955.2	5913.1	6864.6	6348.6	5753.7	5730.0	5611.7	5646.4
57.5°	4068.3	4043.0	4098.3	4484.9	5662.2	7464.3	7738.9	6706.8	6645.3	6252.4	6173.4
60°	3028.3	3036.2	3082.0	3538.1	5038.8	7590.6	9069.2	7825.7	7560.6	6703.7	6594.8
62.5°	2114.6	2098.8	2116.2	2371.9	3602.8	7085.6	9968.7	9186.0	8930.4	7216.6	7153.4
65°	1513.4	1492.9	1562.3	1718.5	2163.5	5417.5	10096.6	10997.6	10768.8	8035.6	7884.1
67.5°	1088.9	1085.7	1166.2	1450.3	1537.0	3119.9	9149.7	12638.8	12500.0	9007.7	8329.1
69°	901.1	902.7	980.0	1298.8	1467.6	2130.4	7873.0	12921.3	12896.1	9509.5	8245.5
70°	785.9	792.2	882.1	1208.8	1439.2	1751.7	6787.3	12643.6	12618.3	9607.4	7969.3
72.5°	484.5	489.2	607.6	968.9	1368.2	1429.7	4058.8	10344.3	10431.1	9159.2	6866.2
75°	232.0	233.6	318.8	700.7	1319.3	1355.6	2174.6	7633.2	7816.2	7394.9	5365.5
77.5°	123.1	123.1	153.1	372.4	1068.4	1275.1	1290.9	5384.4	5535.9	4675.9	3050.4
80°	61.5	63.1	93.1	194.1	662.8	1249.8	1008.4	3211.4	3293.5	1907.9	950.0
82.5°	23.7	25.2	44.2	116.8	344.0	1055.7	885.3	1579.7	1559.1	446.6	232.0
85°	3.2	3.2	15.8	69.4	146.8	465.5	730.7	659.6	637.5	97.8	112.0
87.5°	0.0	0.0	3.2	20.5	44.2	135.7	282.5	181.5	202.0	26.8	55.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P484003

CATALOG NUMBER: IFLD-S-SA2C-740-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4	2949.4
2.5°	2995.2	2962.1	2911.6	2862.6	2810.6	2747.4	2678.0	2652.8	2608.6	2605.4	2630.7
5°	2992.0	2938.4	2850.0	2745.9	2597.5	2485.5	2364.0	2275.6	2207.7	2163.5	2174.6
7.5°	3007.8	2943.1	2790.0	2566.0	2375.0	2152.5	1964.7	1835.3	1717.0	1658.6	1652.2
10°	2982.6	2895.8	2671.7	2357.7	2076.8	1765.9	1491.3	1317.7	1141.0	1076.3	1079.4
12.5°	2996.8	2875.3	2543.9	2143.0	1756.4	1352.4	1024.2	787.5	621.8	568.1	561.8
15°	3006.2	2831.1	2420.8	1885.8	1401.3	921.6	593.4	446.6	394.5	385.1	383.5
17.5°	2969.9	2777.4	2247.2	1631.7	1038.4	560.2	394.5	364.5	355.1	348.8	345.6
20°	2968.4	2745.9	2097.3	1371.4	692.8	381.9	340.9	329.8	315.6	310.9	310.9
22.5°	2941.5	2679.6	1917.4	1085.7	441.9	328.2	306.1	288.8	273.0	266.7	265.1
25°	2933.7	2602.3	1748.5	815.9	336.1	293.5	271.4	246.2	227.2	217.8	213.0
27.5°	2911.6	2536.0	1578.1	574.4	293.5	262.0	233.6	206.7	184.6	170.4	168.9
30°	2832.7	2466.5	1388.7	397.7	266.7	232.0	200.4	168.9	146.8	137.3	134.1
32.5°	2799.5	2401.8	1182.0	306.1	243.0	205.2	168.9	140.4	123.1	113.6	112.0
35°	2760.1	2307.2	981.6	266.7	220.9	178.3	142.0	118.4	104.2	96.3	96.3
37.5°	2764.8	2231.4	793.8	241.4	197.3	153.1	121.5	101.0	88.4	80.5	80.5
40°	2750.6	2171.4	617.0	219.4	175.2	131.0	102.6	85.2	74.2	66.3	64.7
42.5°	2815.3	2155.7	465.5	200.4	153.1	112.0	88.4	72.6	61.5	52.1	52.1
45°	2924.2	2180.9	363.0	183.1	131.0	96.3	75.7	60.0	48.9	42.6	41.0
47.5°	3214.5	2280.3	284.1	168.9	112.0	83.6	63.1	48.9	39.5	33.1	31.6
50°	3635.9	2502.8	241.4	148.3	94.7	71.0	52.1	37.9	31.6	25.2	23.7
52.5°	4235.6	2876.8	219.4	131.0	78.9	58.4	41.0	30.0	23.7	18.9	17.4
55°	4888.9	3344.0	198.8	110.5	66.3	47.3	33.1	23.7	17.4	12.6	11.0
57.5°	5398.6	3747.9	181.5	91.5	53.7	37.9	25.2	17.4	12.6	7.9	6.3
60°	5955.7	4032.0	159.4	72.6	44.2	28.4	18.9	12.6	9.5	4.7	4.7
62.5°	6530.1	4365.0	131.0	56.8	34.7	22.1	14.2	9.5	6.3	1.6	1.6
65°	7328.6	4625.4	101.0	44.2	26.8	15.8	11.0	7.9	3.2	0.0	0.0
67.5°	7554.3	4497.5	74.2	34.7	18.9	11.0	7.9	4.7	1.6	0.0	0.0
69°	7328.6	4050.9	64.7	30.0	15.8	9.5	6.3	3.2	1.6	0.0	0.0
70°	6916.7	3703.8	56.8	25.2	14.2	9.5	4.7	3.2	1.6	0.0	0.0
72.5°	5785.2	2840.5	44.2	18.9	11.0	7.9	4.7	3.2	0.0	0.0	0.0
75°	4243.5	1754.8	33.1	14.2	9.5	6.3	4.7	3.2	0.0	0.0	0.0
77.5°	2274.0	640.7	23.7	9.5	6.3	4.7	4.7	3.2	0.0	0.0	0.0
80°	623.3	189.4	17.4	6.3	4.7	3.2	3.2	1.6	0.0	0.0	0.0
82.5°	170.4	48.9	11.0	6.3	4.7	3.2	1.6	0.0	0.0	0.0	0.0
85°	91.5	18.9	6.3	4.7	3.2	1.6	0.0	0.0	0.0	0.0	0.0
87.5°	47.3	6.3	4.7	3.2	3.2	1.6	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)