

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: P484085

Luminaire Tested: **IFLD-S-SA3B-760-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484085  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-760-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (48) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

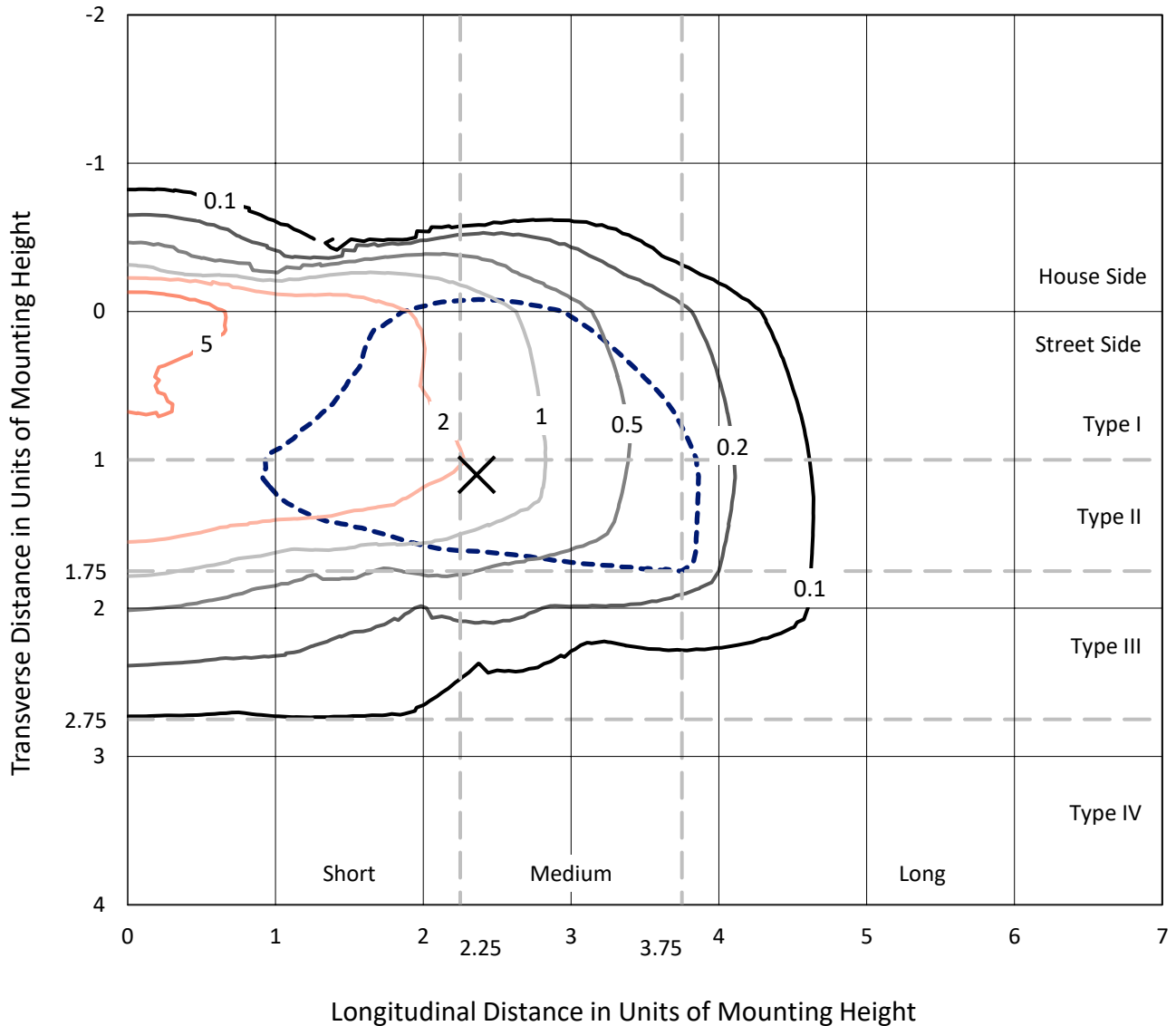
Lumens per Lamp: N/A  
Luminaire Lumens: 14325.7 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 122.4  
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: P484085  
 CATALOG NUMBER: IFLD-S-SA3B-760-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

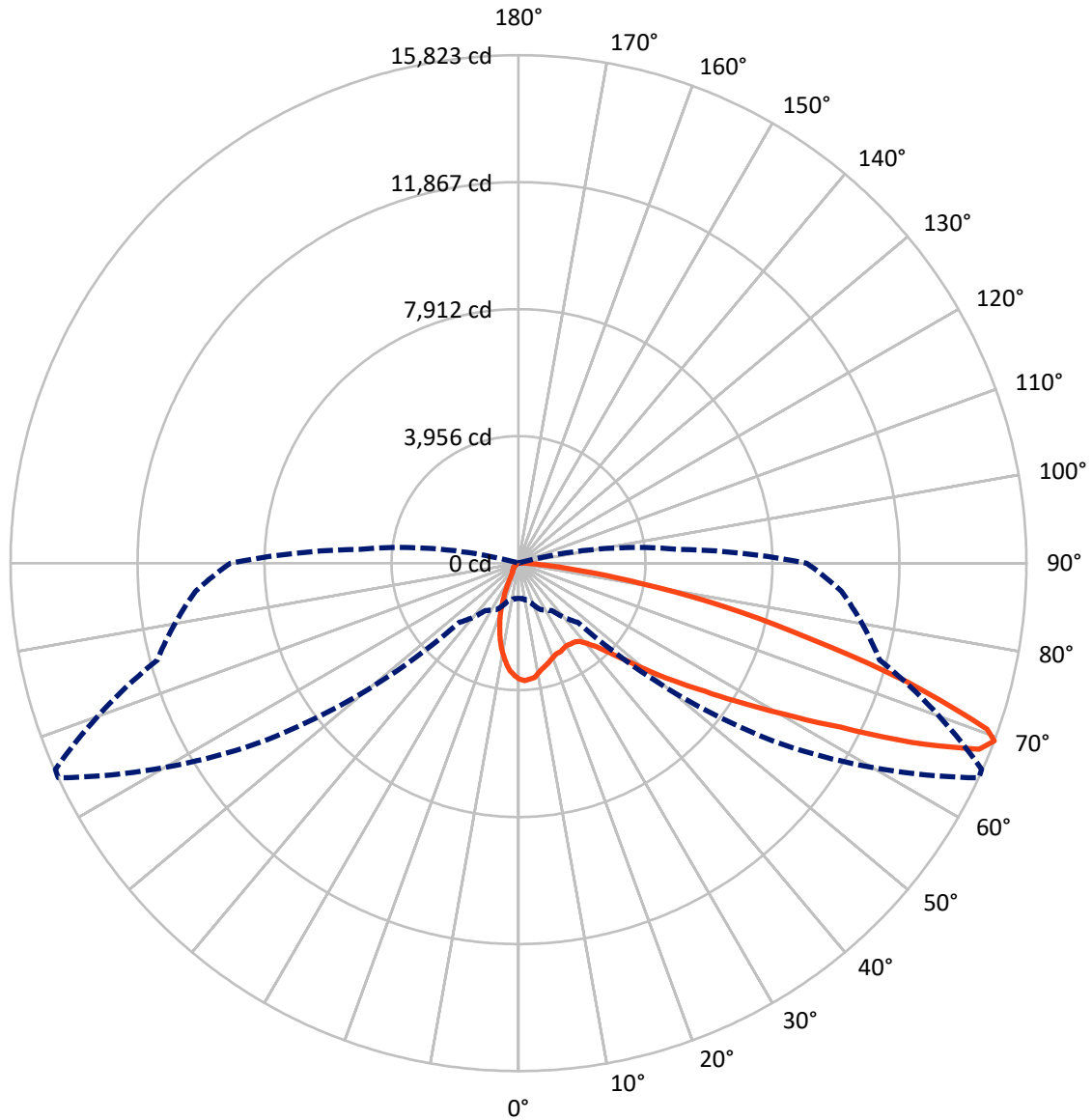
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P484085  
CATALOG NUMBER: IFLD-S-SA3B-760-U-SL2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P484085  
 CATALOG NUMBER: IFLD-S-SA3B-760-U-SL2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1737.8	0.0	1737.8
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	12587.9	0.0	12587.9
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	14325.7	0.0	14325.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.6	2.1
10°-20°	646.7	4.5
20°-30°	900.3	6.3
30°-40°	1275.9	8.9
40°-50°	2010.7	14.0
50°-60°	3262.7	22.8
60°-70°	3643.8	25.4
70°-80°	2051.9	14.3
80°-90°	238.1	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°	14325.7	100.0
0°-180°	14325.7	100.0



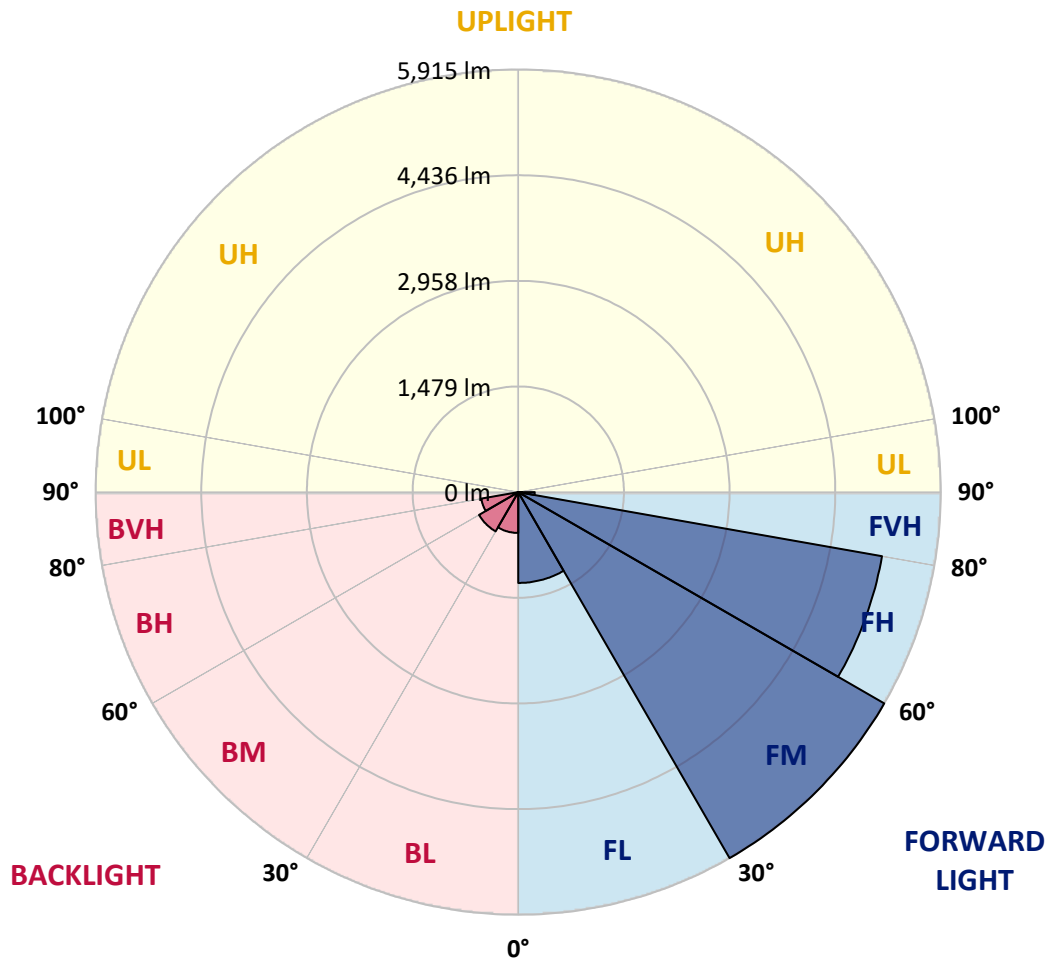
REPORT NUMBER: P484085  
 CATALOG NUMBER: IFLD-S-SA3B-760-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.3	8.9			
FM (30°-60°)	5915.2	41.3			
FH (60°-80°)	5169.9	36.1			G3/7500
FVH (80°-90°)	231.5	1.6			G3/500
BL (0°-30°)	571.3	4.0	B2/1000		
BM (30°-60°)	634.1	4.4	B1/1000		
BH (60°-80°)	525.8	3.7	B2/1000		G2/1000
BVH (80°-90°)	6.6	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-G3**

Type II Medium





REPORT NUMBER: P484085

CATALOG NUMBER: IFLD-S-SA3B-760-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8
2.5°	3478.5	3505.5	3513.3	3540.3	3553.9	3611.8	3644.7	3664.0	3654.3	3675.6	3677.5
5°	3231.1	3215.7	3256.3	3285.2	3347.1	3447.6	3550.0	3629.2	3665.9	3700.7	3694.9
7.5°	2966.4	2958.6	2999.2	3064.9	3121.0	3242.7	3407.0	3602.2	3594.4	3679.5	3704.6
10°	2784.7	2792.5	2806.0	2871.7	2954.8	3078.5	3283.3	3465.0	3505.5	3685.3	3735.5
12.5°	2618.5	2632.1	2657.2	2724.8	2821.4	2949.0	3148.0	3360.6	3422.4	3652.4	3752.9
15°	2564.4	2533.5	2583.7	2634.0	2734.5	2848.5	3016.6	3281.4	3308.4	3613.8	3781.9
17.5°	2520.0	2500.6	2523.8	2564.4	2670.7	2763.5	2921.9	3196.3	3246.6	3598.3	3778.0
20°	2533.5	2516.1	2525.8	2556.7	2605.0	2692.0	2838.8	3115.2	3169.3	3526.8	3772.2
22.5°	2572.1	2585.7	2568.3	2576.0	2591.5	2635.9	2794.4	3057.2	3103.6	3513.3	3805.1
25°	2746.1	2722.9	2699.7	2690.0	2599.2	2618.5	2780.9	3053.3	3086.2	3465.0	3778.0
27.5°	2927.7	2908.4	2898.7	2842.7	2719.0	2661.0	2782.8	2999.2	3043.7	3445.6	3745.2
30°	3148.0	3173.2	3134.5	3066.9	2894.9	2751.9	2804.0	2972.2	3034.0	3372.2	3723.9
32.5°	3379.9	3393.5	3412.8	3362.5	3140.3	2889.1	2867.8	2997.3	3001.2	3372.2	3675.6
35°	3642.8	3623.4	3673.7	3677.5	3482.4	3132.6	2989.6	3014.7	3055.3	3356.7	3658.2
37.5°	3868.9	3901.7	3959.7	4052.4	3851.5	3476.6	3179.0	3095.9	3113.2	3428.2	3671.7
40°	4116.2	4149.1	4280.5	4373.2	4259.2	3863.1	3466.9	3285.2	3298.8	3534.5	3741.3
42.5°	4388.7	4452.5	4609.0	4771.3	4740.4	4353.9	3837.9	3563.5	3557.7	3799.3	3884.3
45°	4757.8	4842.8	5012.9	5200.3	5227.4	4916.3	4332.7	3979.0	3998.3	4145.2	4180.0
47.5°	5271.8	5268.0	5434.2	5642.9	5799.4	5499.9	4924.0	4537.5	4535.6	4692.1	4618.7
50°	5768.5	5770.4	5814.9	6056.4	6462.3	6309.6	5656.4	5279.6	5258.3	5335.6	5217.7
52.5°	5998.5	5971.4	5938.6	6230.4	6972.4	7330.0	6584.0	6120.2	6102.8	6056.4	6025.5
55°	5756.9	5766.6	5764.6	6068.0	7241.1	8406.4	7774.4	7045.9	7016.9	6871.9	6914.5
57.5°	4982.0	4951.1	5018.7	5492.1	6933.8	9140.7	9477.0	8213.1	8137.7	7656.5	7559.9
60°	3708.5	3718.1	3774.2	4332.7	6170.5	9295.3	11106.0	9583.2	9258.6	8209.2	8075.9
62.5°	2589.5	2570.2	2591.5	2904.5	4411.9	8676.9	12207.6	11249.0	10936.0	8837.3	8760.0
65°	1853.3	1828.1	1913.2	2104.5	2649.4	6634.3	12364.1	13467.6	13187.3	9840.3	9654.7
67.5°	1333.4	1329.6	1428.1	1776.0	1882.2	3820.5	11204.6	15477.3	15307.3	11030.7	10199.7
69°	1103.5	1105.4	1200.1	1590.4	1797.2	2608.9	9641.2	15823.3	15792.3	11645.2	10097.3
70°	962.4	970.1	1080.3	1480.3	1762.4	2145.1	8311.7	15483.1	15452.2	11765.0	9759.1
72.5°	593.3	599.1	744.0	1186.6	1675.5	1750.8	4970.4	12667.5	12773.8	11216.2	8408.3
75°	284.1	286.0	390.4	858.0	1615.6	1660.0	2663.0	9347.5	9571.6	9055.7	6570.5
77.5°	150.7	150.7	187.5	456.1	1308.3	1561.5	1580.8	6593.7	6779.2	5726.0	3735.5
80°	75.4	77.3	114.0	237.7	811.6	1530.5	1234.9	3932.6	4033.1	2336.4	1163.4
82.5°	29.0	30.9	54.1	143.0	421.3	1292.8	1084.1	1934.4	1909.3	546.9	284.1
85°	3.9	3.9	19.3	85.0	179.7	570.1	894.7	807.8	780.7	119.8	137.2
87.5°	0.0	0.0	3.9	25.1	54.1	166.2	345.9	222.2	247.4	32.9	67.6
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: P484085

CATALOG NUMBER: IFLD-S-SA3B-760-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8
2.5°	3667.9	3627.3	3565.5	3505.5	3441.8	3364.5	3279.4	3248.5	3194.4	3190.5	3221.5
5°	3664.0	3598.3	3490.1	3362.5	3180.9	3043.7	2894.9	2786.7	2703.6	2649.4	2663.0
7.5°	3683.3	3604.1	3416.6	3142.2	2908.4	2635.9	2406.0	2247.5	2102.6	2031.1	2023.3
10°	3652.4	3546.1	3271.7	2887.1	2543.2	2162.5	1826.2	1613.6	1397.2	1318.0	1321.8
12.5°	3669.8	3521.0	3115.2	2624.3	2150.9	1656.1	1254.2	964.3	761.4	695.7	688.0
15°	3681.4	3466.9	2964.4	2309.3	1716.1	1128.6	726.6	546.9	483.1	471.5	469.6
17.5°	3637.0	3401.2	2751.9	1998.2	1271.6	686.0	483.1	446.4	434.8	427.1	423.2
20°	3635.0	3362.5	2568.3	1679.3	848.4	467.7	417.4	403.9	386.5	380.7	380.7
22.5°	3602.2	3281.4	2348.0	1329.6	541.1	402.0	374.9	353.6	334.3	326.6	324.7
25°	3592.5	3186.7	2141.2	999.1	411.6	359.4	332.4	301.5	278.3	266.7	260.9
27.5°	3565.5	3105.5	1932.5	703.4	359.4	320.8	286.0	253.2	226.1	208.7	206.8
30°	3468.8	3020.5	1700.6	487.0	326.6	284.1	245.4	206.8	179.7	168.1	164.3
32.5°	3428.2	2941.3	1447.4	374.9	297.6	251.2	206.8	172.0	150.7	139.1	137.2
35°	3379.9	2825.3	1202.0	326.6	270.5	218.4	173.9	144.9	127.5	117.9	117.9
37.5°	3385.7	2732.5	972.0	295.7	241.6	187.5	148.8	123.7	108.2	98.6	98.6
40°	3368.3	2659.1	755.6	268.6	214.5	160.4	125.6	104.4	90.8	81.2	79.2
42.5°	3447.6	2639.8	570.1	245.4	187.5	137.2	108.2	88.9	75.4	63.8	63.8
45°	3580.9	2670.7	444.5	224.2	160.4	117.9	92.8	73.4	59.9	52.2	50.2
47.5°	3936.5	2792.5	347.8	206.8	137.2	102.4	77.3	59.9	48.3	40.6	38.6
50°	4452.5	3064.9	295.7	181.7	115.9	87.0	63.8	46.4	38.6	30.9	29.0
52.5°	5186.8	3522.9	268.6	160.4	96.6	71.5	50.2	36.7	29.0	23.2	21.3
55°	5986.9	4095.0	243.5	135.3	81.2	58.0	40.6	29.0	21.3	15.5	13.5
57.5°	6611.1	4589.7	222.2	112.1	65.7	46.4	30.9	21.3	15.5	9.7	7.7
60°	7293.2	4937.5	195.2	88.9	54.1	34.8	23.2	15.5	11.6	5.8	5.8
62.5°	7996.7	5345.3	160.4	69.6	42.5	27.1	17.4	11.6	7.7	1.9	1.9
65°	8974.5	5664.1	123.7	54.1	32.9	19.3	13.5	9.7	3.9	0.0	0.0
67.5°	9250.9	5507.6	90.8	42.5	23.2	13.5	9.7	5.8	1.9	0.0	0.0
69°	8974.5	4960.7	79.2	36.7	19.3	11.6	7.7	3.9	1.9	0.0	0.0
70°	8470.1	4535.6	69.6	30.9	17.4	11.6	5.8	3.9	1.9	0.0	0.0
72.5°	7084.5	3478.5	54.1	23.2	13.5	9.7	5.8	3.9	0.0	0.0	0.0
75°	5196.5	2148.9	40.6	17.4	11.6	7.7	5.8	3.9	0.0	0.0	0.0
77.5°	2784.7	784.6	29.0	11.6	7.7	5.8	5.8	3.9	0.0	0.0	0.0
80°	763.3	231.9	21.3	7.7	5.8	3.9	3.9	1.9	0.0	0.0	0.0
82.5°	208.7	59.9	13.5	7.7	5.8	3.9	1.9	0.0	0.0	0.0	0.0
85°	112.1	23.2	7.7	5.8	3.9	1.9	0.0	0.0	0.0	0.0	0.0
87.5°	58.0	7.7	5.8	3.9	3.9	1.9	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)