

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: P484026

Luminaire Tested: **IFLD-M-SA4A-740-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484026  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-740-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2  
distribution lens with House Side Shield  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

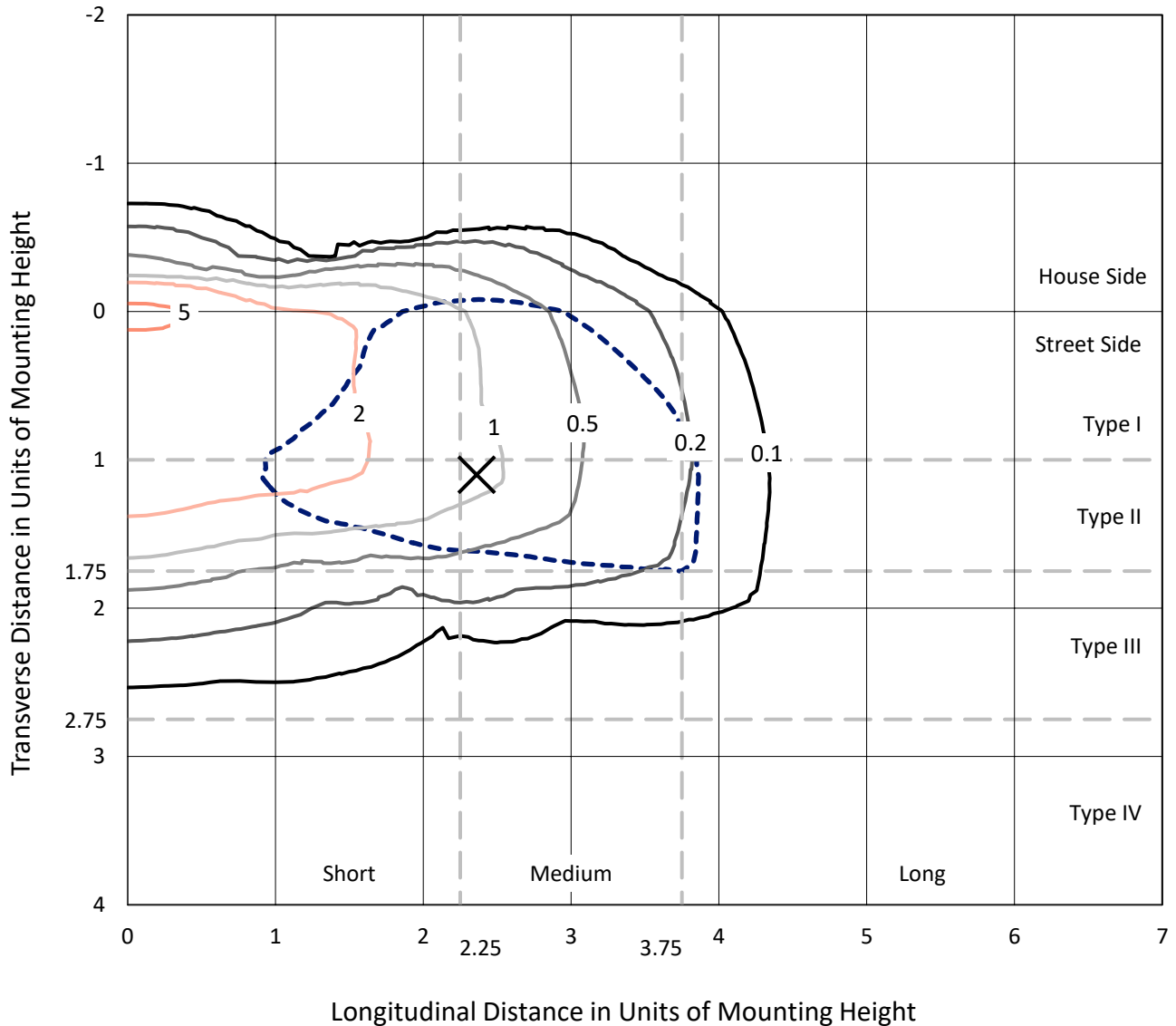
Lumens per Lamp: N/A  
Luminaire Lumens: 15199.6 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 128.6  
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: P484026  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

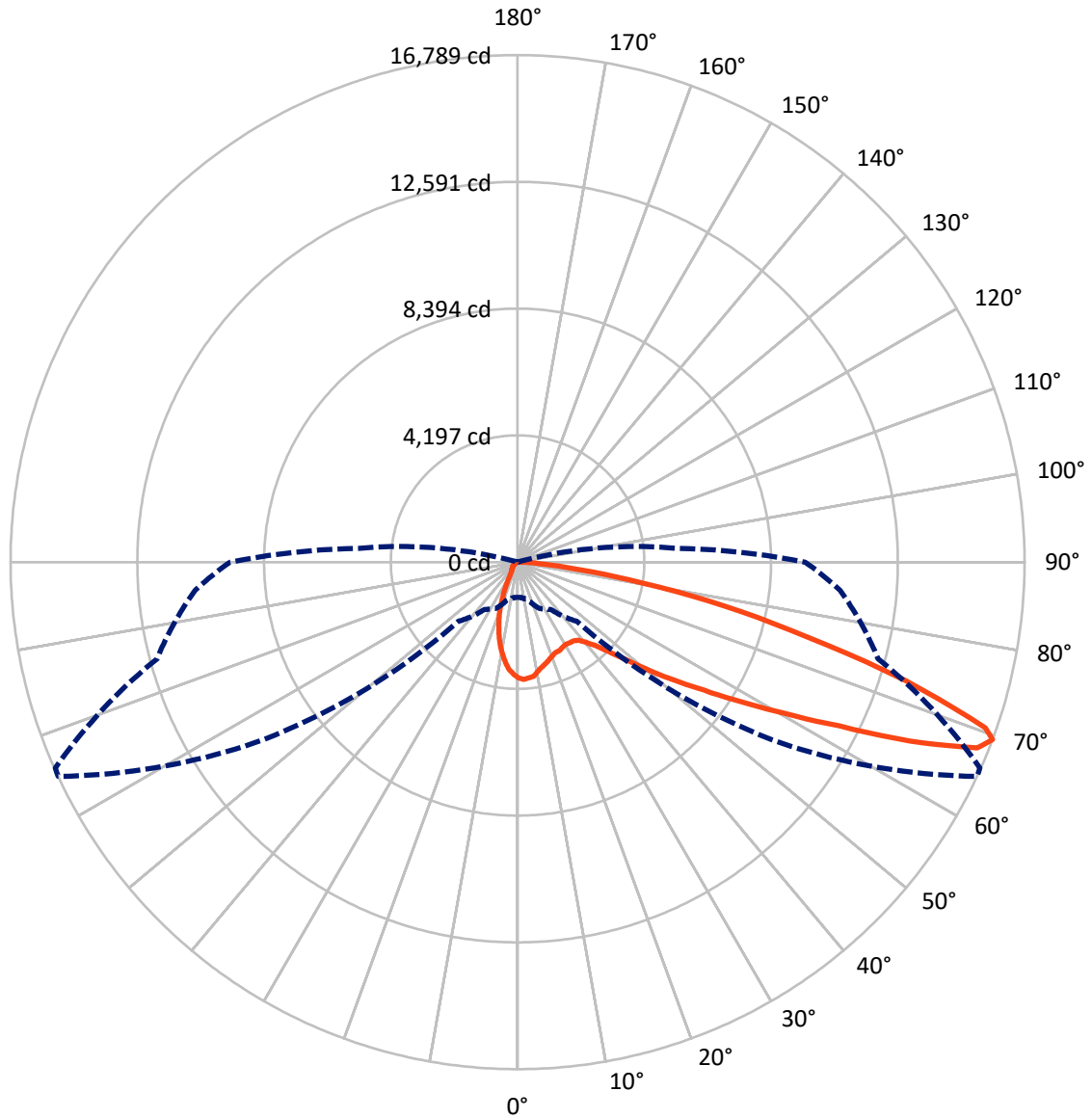
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type II - Medium - N/A

REPORT NUMBER: P484026  
CATALOG NUMBER: IFLD-M-SA4A-740-U-SL2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P484026  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-SL2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1843.8	0.0	1843.8
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	13355.8	0.0	13355.8
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	15199.6	0.0	15199.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.6	2.1
10°-20°	686.1	4.5
20°-30°	955.3	6.3
30°-40°	1353.7	8.9
40°-50°	2133.4	14.0
50°-60°	3461.8	22.8
60°-70°	3866.1	25.4
70°-80°	2177.1	14.3
80°-90°	252.6	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°	15199.6	100.0
0°-180°	15199.6	100.0

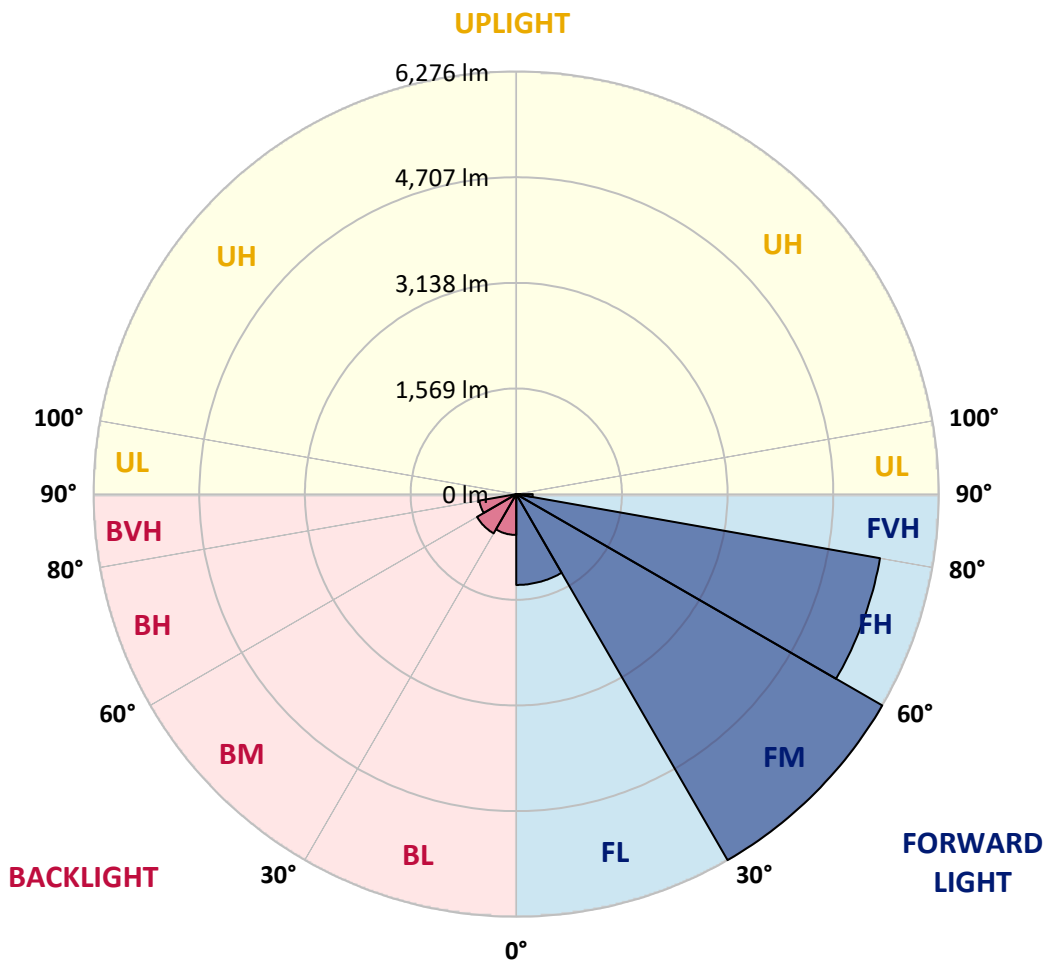


REPORT NUMBER: P484026  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1348.8	8.9			
FM (30°-60°)	6276.1	41.3			
FH (60°-80°)	5485.3	36.1			G3/7500
FVH (80°-90°)	245.7	1.6			G3/500
BL (0°-30°)	606.2	4.0	B2/1000		
BM (30°-60°)	672.8	4.4	B1/1000		
BH (60°-80°)	557.9	3.7	B2/1000		G2/1000
BVH (80°-90°)	7.0	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: P484026

CATALOG NUMBER: IFLD-M-SA4A-740-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2
2.5°	3690.7	3719.4	3727.6	3756.3	3770.7	3832.2	3867.0	3887.5	3877.3	3899.8	3901.9
5°	3428.2	3411.8	3454.9	3485.7	3551.3	3657.9	3766.6	3850.6	3889.6	3926.5	3920.3
7.5°	3147.3	3139.1	3182.2	3251.9	3311.4	3440.6	3614.8	3821.9	3813.7	3903.9	3930.6
10°	2954.6	2962.8	2977.2	3046.9	3135.0	3266.3	3483.6	3676.3	3719.4	3910.1	3963.4
12.5°	2778.3	2792.6	2819.3	2891.0	2993.6	3128.9	3340.1	3565.6	3631.2	3875.2	3981.9
15°	2720.9	2688.1	2741.4	2794.7	2901.3	3022.3	3200.7	3481.6	3510.3	3834.2	4012.6
17.5°	2673.7	2653.2	2677.8	2720.9	2833.6	2932.1	3100.2	3391.3	3444.7	3817.8	4008.5
20°	2688.1	2669.6	2679.9	2712.7	2763.9	2856.2	3012.0	3305.2	3362.6	3742.0	4002.4
22.5°	2729.1	2743.4	2725.0	2733.2	2749.6	2796.7	2964.9	3243.7	3292.9	3727.6	4037.2
25°	2913.6	2889.0	2864.4	2854.1	2757.8	2778.3	2950.5	3239.6	3274.5	3676.3	4008.5
27.5°	3106.3	3085.8	3075.6	3016.1	2884.9	2823.4	2952.6	3182.2	3229.4	3655.8	3973.7
30°	3340.1	3366.7	3325.7	3254.0	3071.5	2919.8	2975.1	3153.5	3219.1	3577.9	3951.1
32.5°	3586.1	3600.5	3621.0	3567.7	3331.9	3065.3	3042.8	3180.2	3184.3	3577.9	3899.8
35°	3865.0	3844.5	3897.8	3901.9	3694.8	3323.7	3171.9	3198.6	3241.7	3561.5	3881.4
37.5°	4104.9	4139.7	4201.2	4299.7	4086.4	3688.6	3372.9	3284.7	3303.2	3637.4	3895.7
40°	4367.3	4402.2	4541.6	4640.0	4519.1	4098.7	3678.4	3485.7	3500.0	3750.2	3969.6
42.5°	4656.4	4724.1	4890.2	5062.4	5029.6	4619.5	4072.1	3780.9	3774.8	4031.1	4121.3
45°	5048.1	5138.3	5318.7	5517.6	5546.3	5216.2	4597.0	4221.7	4242.3	4398.1	4435.0
47.5°	5593.5	5589.4	5765.7	5987.1	6153.2	5835.4	5224.4	4814.3	4812.3	4978.3	4900.4
50°	6120.4	6122.5	6169.6	6425.9	6856.5	6694.5	6001.5	5601.7	5579.1	5661.1	5536.0
52.5°	6364.4	6335.7	6300.8	6610.5	7397.8	7777.1	6985.7	6493.6	6475.1	6425.9	6393.1
55°	6108.1	6118.4	6116.3	6438.2	7682.8	8919.2	8248.7	7475.7	7445.0	7291.2	7336.3
57.5°	5285.9	5253.1	5324.9	5827.2	7356.8	9698.3	10055.1	8714.1	8634.2	8123.6	8021.1
60°	3934.7	3944.9	4004.4	4597.0	6546.9	9862.4	11783.6	10167.9	9823.4	8710.0	8568.6
62.5°	2747.5	2727.0	2749.6	3081.7	4681.0	9206.2	12952.3	11935.3	11603.1	9376.4	9294.4
65°	1966.3	1939.7	2029.9	2232.9	2811.1	7039.0	13118.4	14289.2	13991.8	10440.6	10243.7
67.5°	1414.8	1410.7	1515.2	1884.3	1997.1	4053.6	11888.1	16421.6	16241.1	11703.6	10821.9
69°	1170.8	1172.8	1273.3	1687.5	1906.9	2768.0	10229.4	16788.6	16755.8	12355.6	10713.3
70°	1021.1	1029.3	1146.2	1570.6	1870.0	2275.9	8818.7	16427.7	16394.9	12482.8	10354.5
72.5°	629.5	635.6	789.4	1258.9	1777.7	1857.7	5273.6	13440.3	13553.1	11900.5	8921.2
75°	301.4	303.5	414.2	910.4	1714.1	1761.3	2825.4	9917.7	10155.6	9608.1	6971.3
77.5°	159.9	159.9	198.9	483.9	1388.1	1656.7	1677.2	6995.9	7192.8	6075.3	3963.4
80°	80.0	82.0	121.0	252.2	861.2	1623.9	1310.2	4172.5	4279.2	2478.9	1234.3
82.5°	30.8	32.8	57.4	151.7	447.0	1371.7	1150.3	2052.4	2025.8	580.3	301.4
85°	4.1	4.1	20.5	90.2	190.7	604.9	949.3	857.1	828.4	127.1	145.6
87.5°	0.0	0.0	4.1	26.7	57.4	176.3	367.0	235.8	262.4	34.9	71.8
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: P484026

CATALOG NUMBER: IFLD-M-SA4A-740-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2	3832.2
2.5°	3891.6	3848.6	3783.0	3719.4	3651.7	3569.7	3479.5	3446.7	3389.3	3385.2	3418.0
5°	3887.5	3817.8	3703.0	3567.7	3374.9	3229.4	3071.5	2956.7	2868.5	2811.1	2825.4
7.5°	3908.0	3824.0	3625.1	3333.9	3085.8	2796.7	2552.7	2384.6	2230.8	2155.0	2146.8
10°	3875.2	3762.5	3471.3	3063.3	2698.3	2294.4	1937.6	1712.1	1482.4	1398.4	1402.5
12.5°	3893.7	3735.8	3305.2	2784.4	2282.1	1757.2	1330.7	1023.1	807.9	738.1	729.9
15°	3906.0	3678.4	3145.3	2450.2	1820.7	1197.4	770.9	580.3	512.6	500.3	498.2
17.5°	3858.8	3608.7	2919.8	2120.1	1349.2	727.9	512.6	473.6	461.3	453.1	449.0
20°	3856.8	3567.7	2725.0	1781.8	900.1	496.2	442.9	428.5	410.1	403.9	403.9
22.5°	3821.9	3481.6	2491.2	1410.7	574.1	426.5	397.8	375.2	354.7	346.5	344.5
25°	3811.7	3381.1	2271.8	1060.1	436.7	381.4	352.7	319.9	295.3	283.0	276.8
27.5°	3783.0	3295.0	2050.4	746.3	381.4	340.4	303.5	268.6	239.9	221.4	219.4
30°	3680.4	3204.8	1804.3	516.7	346.5	301.4	260.4	219.4	190.7	178.4	174.3
32.5°	3637.4	3120.7	1535.7	397.8	315.8	266.6	219.4	182.5	159.9	147.6	145.6
35°	3586.1	2997.7	1275.3	346.5	287.1	231.7	184.5	153.8	135.3	125.1	125.1
37.5°	3592.3	2899.2	1031.3	313.7	256.3	198.9	157.9	131.2	114.8	104.6	104.6
40°	3573.8	2821.3	801.7	285.0	227.6	170.2	133.3	110.7	96.4	86.1	84.1
42.5°	3657.9	2800.8	604.9	260.4	198.9	145.6	114.8	94.3	80.0	67.7	67.7
45°	3799.4	2833.6	471.6	237.8	170.2	125.1	98.4	77.9	63.6	55.4	53.3
47.5°	4176.6	2962.8	369.1	219.4	145.6	108.7	82.0	63.6	51.3	43.1	41.0
50°	4724.1	3251.9	313.7	192.7	123.0	92.3	67.7	49.2	41.0	32.8	30.8
52.5°	5503.2	3737.9	285.0	170.2	102.5	75.9	53.3	39.0	30.8	24.6	22.6
55°	6352.1	4344.8	258.3	143.5	86.1	61.5	43.1	30.8	22.6	16.4	14.4
57.5°	7014.4	4869.7	235.8	118.9	69.7	49.2	32.8	22.6	16.4	10.3	8.2
60°	7738.2	5238.7	207.1	94.3	57.4	36.9	24.6	16.4	12.3	6.2	6.2
62.5°	8484.5	5671.4	170.2	73.8	45.1	28.7	18.5	12.3	8.2	2.1	2.1
65°	9522.0	6009.7	131.2	57.4	34.9	20.5	14.4	10.3	4.1	0.0	0.0
67.5°	9815.2	5843.6	96.4	45.1	24.6	14.4	10.3	6.2	2.1	0.0	0.0
69°	9522.0	5263.3	84.1	39.0	20.5	12.3	8.2	4.1	2.1	0.0	0.0
70°	8986.8	4812.3	73.8	32.8	18.5	12.3	6.2	4.1	2.1	0.0	0.0
72.5°	7516.7	3690.7	57.4	24.6	14.4	10.3	6.2	4.1	0.0	0.0	0.0
75°	5513.5	2280.0	43.1	18.5	12.3	8.2	6.2	4.1	0.0	0.0	0.0
77.5°	2954.6	832.5	30.8	12.3	8.2	6.2	6.2	4.1	0.0	0.0	0.0
80°	809.9	246.0	22.6	8.2	6.2	4.1	4.1	2.1	0.0	0.0	0.0
82.5°	221.4	63.6	14.4	8.2	6.2	4.1	2.1	0.0	0.0	0.0	0.0
85°	118.9	24.6	8.2	6.2	4.1	2.1	0.0	0.0	0.0	0.0	0.0
87.5°	61.5	8.2	6.2	4.1	4.1	2.1	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)