

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: P484345

Luminaire Tested: **IFLD-L-SA7C-730-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484345  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-730-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (112) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

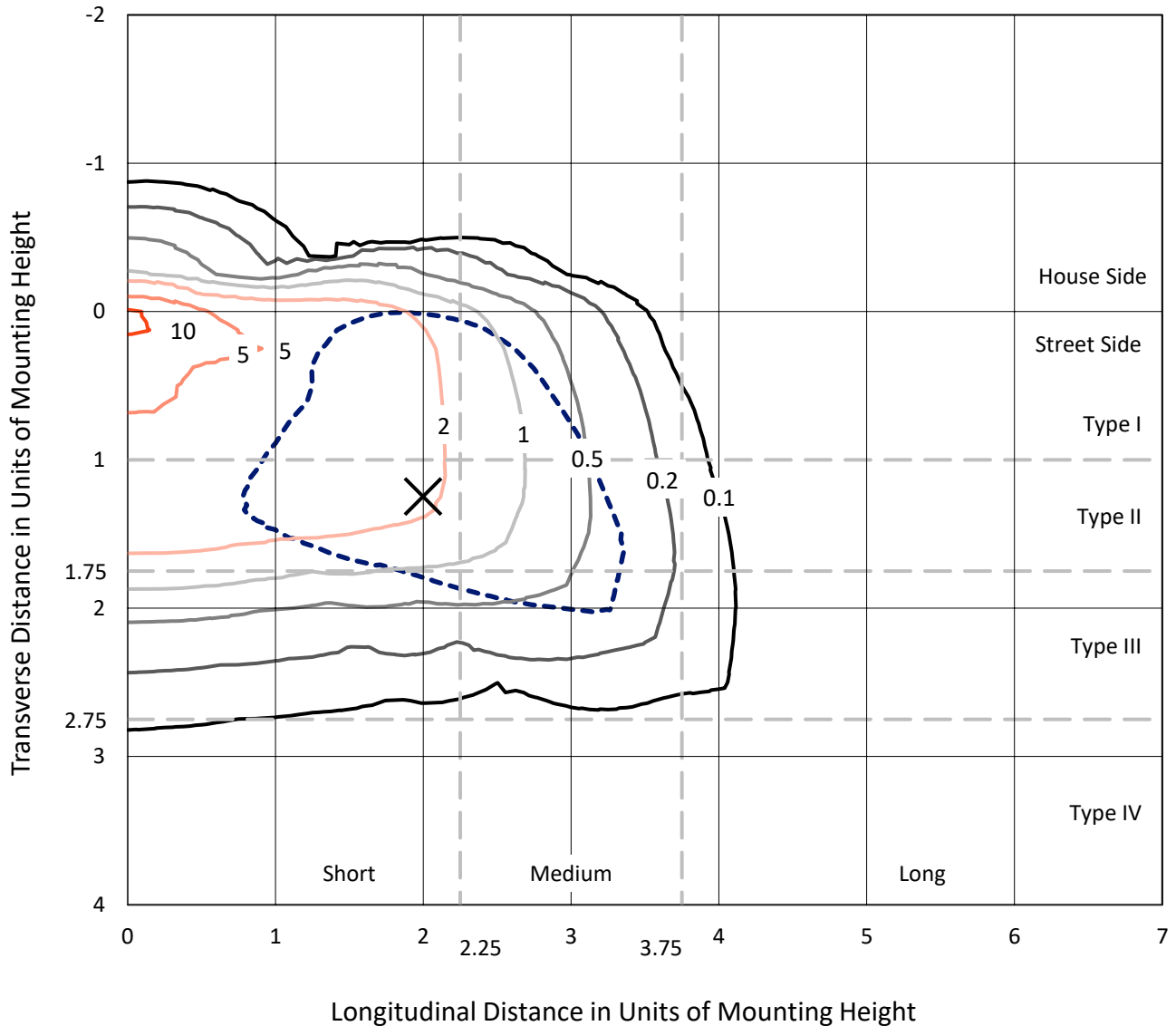
Lumens per Lamp: N/A  
Luminaire Lumens: 33759.3 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 369  
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

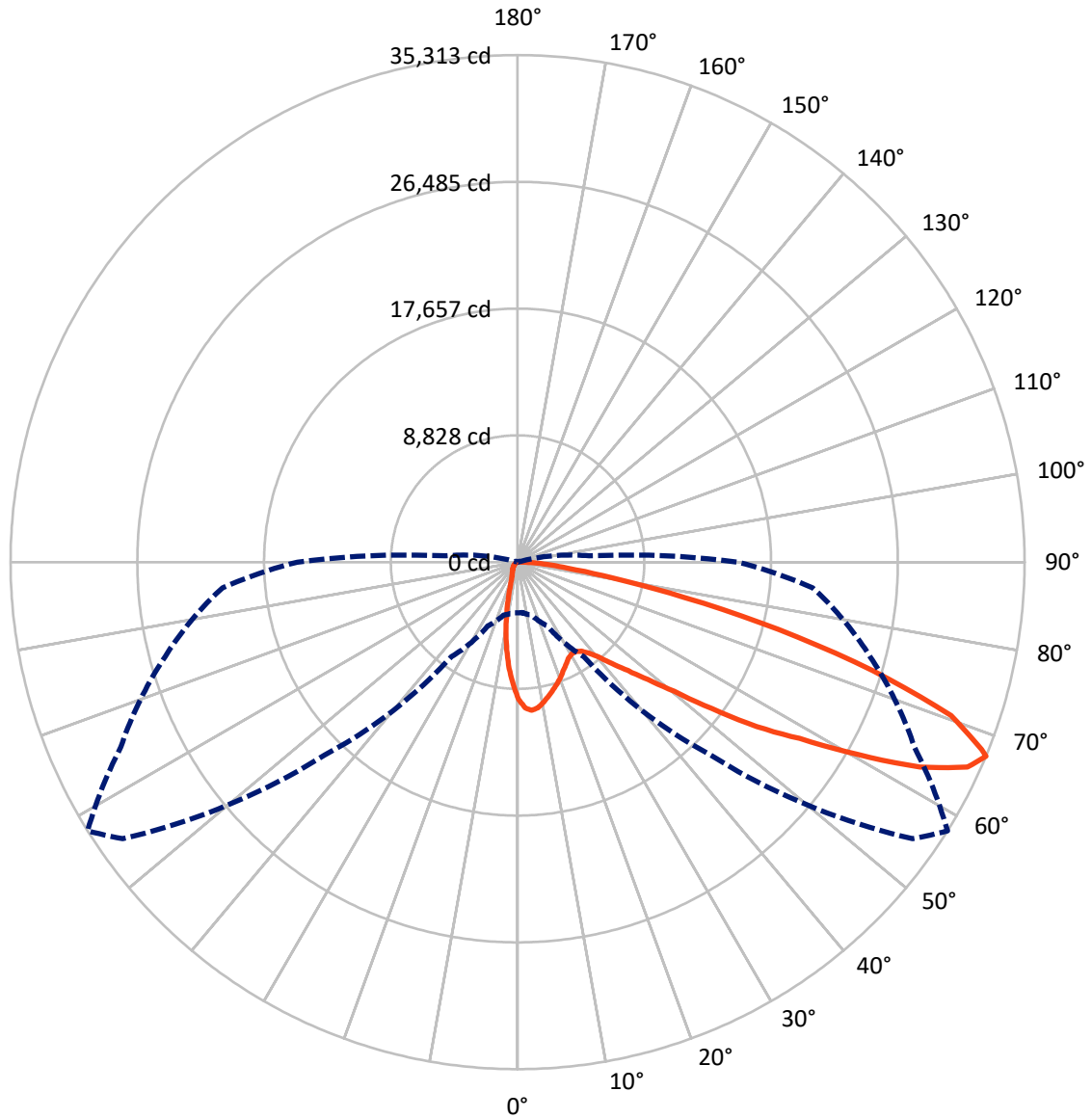
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P484345  
CATALOG NUMBER: IFLD-L-SA7C-730-U-SL3-HSS

### 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
<b>House Side</b>	Lumens	2790.4	0.0	2790.4
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	30968.9	0.0	30968.9
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	33759.3	0.0	33759.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	758.9	2.2
10°-20°	1574.1	4.7
20°-30°	2088.5	6.2
30°-40°	2894.0	8.6
40°-50°	4722.1	14.0
50°-60°	8300.0	24.6
60°-70°	9192.9	27.2
70°-80°	3809.5	11.3
80°-90°	419.4	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°	33759.3	100.0
0°-180°	33759.3	100.0



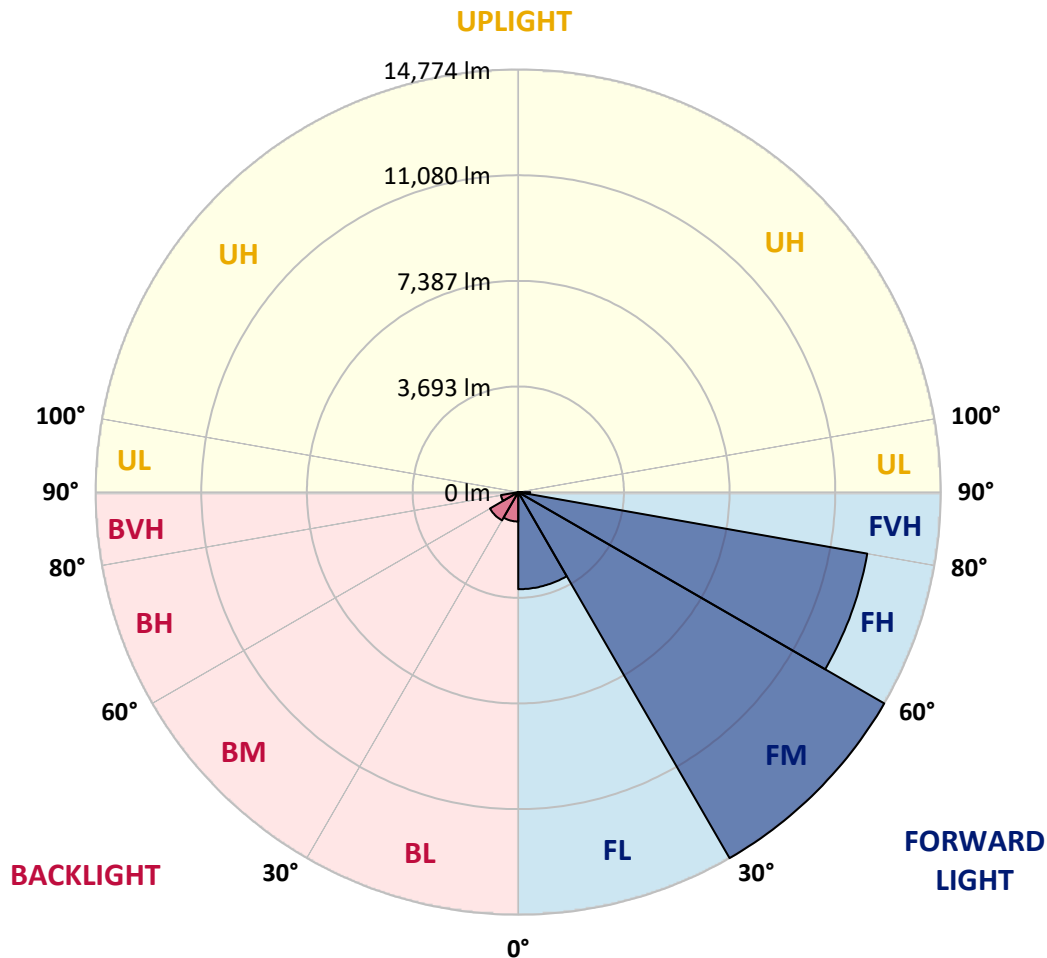
REPORT NUMBER: P484345  
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SL3-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3393.8	10.1			
FM	(30°-60°)	14773.7	43.8			
FH	(60°-80°)	12388.9	36.7			G5
FVH	(80°-90°)	412.5	1.2			G3/500
BL	(0°-30°)	1027.7	3.0	B3/2500		
BM	(30°-60°)	1142.3	3.4	B2/2500		
BH	(60°-80°)	613.5	1.8	B2/1000		G2/1000
BVH	(80°-90°)	6.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short





REPORT NUMBER: P484345

CATALOG NUMBER: IFLD-L-SA7C-730-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5
2.5°	10407.1	10442.9	10474.3	10416.0	10465.3	10393.6	10209.9	10169.5	10138.2	9864.8	9707.9
5°	10402.6	10362.3	10393.6	10420.5	10353.3	10407.1	10362.3	10366.7	10245.7	9999.2	9560.0
7.5°	9707.9	9690.0	9707.9	9837.9	9985.8	10102.3	10169.5	10236.8	10156.1	9788.6	9362.8
10°	8771.2	8860.8	8910.1	9143.2	9371.7	9586.9	9797.5	9923.0	9900.6	9752.7	9147.6
12.5°	8116.8	8089.9	8269.2	8421.6	8650.2	9084.9	9452.4	9569.0	9703.4	9497.2	8865.3
15°	7511.7	7440.0	7547.6	7812.0	8202.0	8547.1	9062.5	9237.3	9407.6	9461.4	8712.9
17.5°	6933.6	6969.4	7081.5	7319.0	7686.5	8170.6	8654.6	8905.6	9313.5	9241.8	8484.3
20°	6655.7	6731.9	6772.2	6893.2	7148.7	7632.8	8354.3	8556.0	8990.8	9237.3	8260.2
22.5°	6669.1	6669.1	6575.0	6646.7	6879.8	7256.3	7946.5	8170.6	8860.8	9004.2	8058.5
25°	6812.6	6722.9	6727.4	6642.2	6740.8	6947.0	7579.0	7852.4	8596.4	9026.6	7951.0
27.5°	6920.1	6902.2	6875.3	6852.9	6727.4	6758.8	7336.9	7561.0	8493.3	8999.7	7785.1
30°	7310.1	7229.4	7202.5	7153.2	6987.4	6835.0	7144.2	7426.6	8412.6	9062.5	7691.0
32.5°	7637.2	7650.7	7673.1	7529.7	7386.2	7009.8	7198.0	7422.1	8354.3	9205.9	7785.1
35°	8049.6	8107.8	8116.8	8072.0	7919.6	7547.6	7422.1	7614.8	8452.9	9461.4	7794.1
37.5°	8677.0	8614.3	8784.6	8802.5	8695.0	8202.0	7942.0	8018.2	8744.3	9869.2	8134.7
40°	9084.9	9161.1	9479.3	9676.5	9492.8	9044.6	8695.0	8681.5	9165.6	10510.2	8556.0
42.5°	9537.6	9707.9	10057.5	10483.3	10460.9	10044.0	9690.0	9631.7	9914.1	11437.9	9223.8
45°	10156.1	10308.5	10797.0	11437.9	11787.5	11433.4	10900.1	10783.6	10823.9	12701.8	10362.3
47.5°	11182.5	11142.1	11845.8	12477.7	13051.4	12778.0	12549.4	12208.8	12177.4	14189.8	11935.4
50°	12343.3	12334.3	12961.8	13678.9	14342.2	14875.6	14494.6	14122.6	14131.6	16211.2	13786.5
52.5°	13445.8	13620.6	14297.4	15010.0	16148.4	16722.1	17089.7	16941.7	16229.1	18017.4	15767.5
55°	14028.5	14180.9	14853.2	16081.2	17878.5	19353.0	20348.0	20222.5	18846.6	20052.2	17721.6
57.5°	13477.2	13580.3	14490.1	16099.1	19088.6	22378.3	23333.0	23176.1	21553.7	21607.5	20083.6
60°	11169.0	11330.4	12683.9	14570.8	18618.0	24709.0	27442.9	27205.4	24018.7	23575.0	21603.0
62.5°	7735.8	7843.4	8954.9	11303.5	16386.0	25520.2	31324.3	31454.3	26618.3	25107.9	22055.6
65°	5010.8	5001.8	5638.3	7229.4	11612.7	23064.1	33619.1	34425.8	29128.2	25340.9	21916.7
67°	3540.7	3527.3	3827.6	4903.2	8040.6	19003.4	33578.7	35313.2	30490.7	25408.1	20630.4
67.5°	3267.3	3253.9	3540.7	4508.8	7256.3	17672.3	33076.7	34856.1	30970.2	25314.0	20065.7
70°	2536.8	2500.9	2608.5	3106.0	4226.5	11429.0	28308.0	32019.0	29975.2	22965.5	16023.0
72.5°	1833.1	1873.5	2043.8	2550.2	3316.6	6149.2	21576.1	25892.2	25036.1	17309.3	10183.0
75°	1277.4	1313.2	1586.6	2079.6	3043.2	3729.0	14588.7	18779.3	17439.2	9555.5	4338.5
77.5°	667.8	712.6	1012.9	1662.8	2765.4	2886.4	8717.4	11908.5	9241.8	3401.8	1196.7
80°	309.3	331.7	506.5	1178.8	2312.7	2536.8	5082.5	6624.3	3697.6	761.9	412.3
82.5°	134.5	147.9	233.1	676.8	1640.4	2218.6	3146.3	3473.5	1340.1	246.5	255.5
85°	26.9	31.4	89.6	358.6	793.3	1344.6	2209.6	2061.7	672.3	121.0	201.7
87.5°	0.0	0.0	22.4	103.1	215.1	398.9	936.7	936.7	206.2	62.7	76.2
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°	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5	9564.5
2.5°	9569.0	9407.6	9053.5	8726.3	8493.3	8228.8	7879.3	7722.4	7664.1	7583.4	7462.4
5°	9318.0	9120.8	8515.7	7906.1	7238.3	6731.9	6194.0	5880.3	5642.8	5494.9	5445.6
7.5°	8963.9	8560.5	7744.8	6767.7	5902.7	5149.8	4334.0	3782.8	3428.7	3285.3	3150.8
10°	8681.5	8157.1	6915.6	5701.0	4549.2	3446.6	2527.8	2043.8	1676.2	1537.3	1519.4
12.5°	8314.0	7686.5	6140.3	4611.9	3164.3	2052.7	1398.4	1214.6	1111.5	1093.6	1080.1
15°	8009.2	7260.7	5405.2	3572.1	2048.2	1281.8	1089.1	1044.3	1017.4	1008.4	1012.9
17.5°	7803.1	6803.6	4652.3	2599.5	1349.1	1048.8	1004.0	977.1	963.6	959.1	945.7
20°	7395.2	6418.1	3908.3	1819.7	1053.3	968.1	932.2	909.8	896.4	891.9	887.4
22.5°	7162.1	5929.6	3164.3	1268.4	936.7	878.5	851.6	833.6	811.2	797.8	793.3
25°	6929.1	5571.1	2500.9	986.0	851.6	811.2	770.9	748.5	712.6	694.7	690.2
27.5°	6655.7	5217.0	1927.2	856.1	766.4	726.1	685.7	649.9	605.1	587.1	578.2
30°	6498.8	4871.9	1452.1	766.4	703.7	649.9	600.6	555.8	506.5	475.1	466.1
32.5°	6418.1	4558.1	1089.1	699.2	636.4	578.2	515.4	461.6	416.8	389.9	385.4
35°	6319.5	4253.4	856.1	636.4	573.7	510.9	448.2	394.4	349.6	327.2	318.2
37.5°	6422.6	4074.1	712.6	587.1	524.4	452.7	385.4	331.7	295.8	273.4	268.9
40°	6705.0	3926.2	618.5	542.3	475.1	398.9	336.1	282.4	251.0	233.1	224.1
42.5°	7139.7	3926.2	560.2	497.5	430.3	349.6	286.8	246.5	215.1	197.2	192.7
45°	7928.6	4047.2	510.9	452.7	376.5	300.3	246.5	206.2	174.8	156.9	152.4
47.5°	9035.6	4325.1	470.6	412.3	336.1	264.4	215.1	174.8	143.4	125.5	121.0
50°	10523.6	4957.0	430.3	363.0	300.3	228.6	179.3	138.9	112.0	94.1	89.6
52.5°	12379.1	5853.4	389.9	336.1	255.5	192.7	143.4	112.0	85.2	71.7	67.2
55°	14342.2	6951.5	340.6	300.3	219.6	161.3	116.5	85.2	62.7	53.8	49.3
57.5°	16318.8	7798.6	300.3	260.0	179.3	130.0	94.1	67.2	44.8	35.9	31.4
60°	17367.5	7879.3	260.0	215.1	143.4	103.1	71.7	49.3	31.4	22.4	17.9
62.5°	17528.9	7162.1	224.1	174.8	116.5	80.7	49.3	35.9	17.9	9.0	9.0
65°	16699.7	5969.9	192.7	138.9	89.6	58.3	35.9	22.4	9.0	4.5	0.0
67°	15355.1	5001.8	165.8	116.5	71.7	44.8	26.9	13.4	4.5	0.0	0.0
67.5°	14835.2	4732.9	156.9	107.6	67.2	40.3	22.4	13.4	4.5	0.0	0.0
70°	11514.1	3379.4	116.5	76.2	49.3	31.4	17.9	9.0	0.0	0.0	0.0
72.5°	7054.6	1976.5	89.6	53.8	35.9	22.4	13.4	4.5	0.0	0.0	0.0
75°	2958.1	681.3	76.2	40.3	26.9	13.4	9.0	4.5	0.0	0.0	0.0
77.5°	770.9	255.5	53.8	26.9	17.9	13.4	9.0	4.5	0.0	0.0	0.0
80°	313.7	116.5	35.9	17.9	17.9	13.4	9.0	4.5	0.0	0.0	0.0
82.5°	206.2	53.8	22.4	17.9	13.4	9.0	4.5	0.0	0.0	0.0	0.0
85°	156.9	31.4	13.4	13.4	9.0	4.5	0.0	0.0	0.0	0.0	0.0
87.5°	67.2	17.9	13.4	9.0	9.0	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)