

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: P480420

Luminaire Tested: **IFLD-S-SA3C-730-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480420
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-730-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

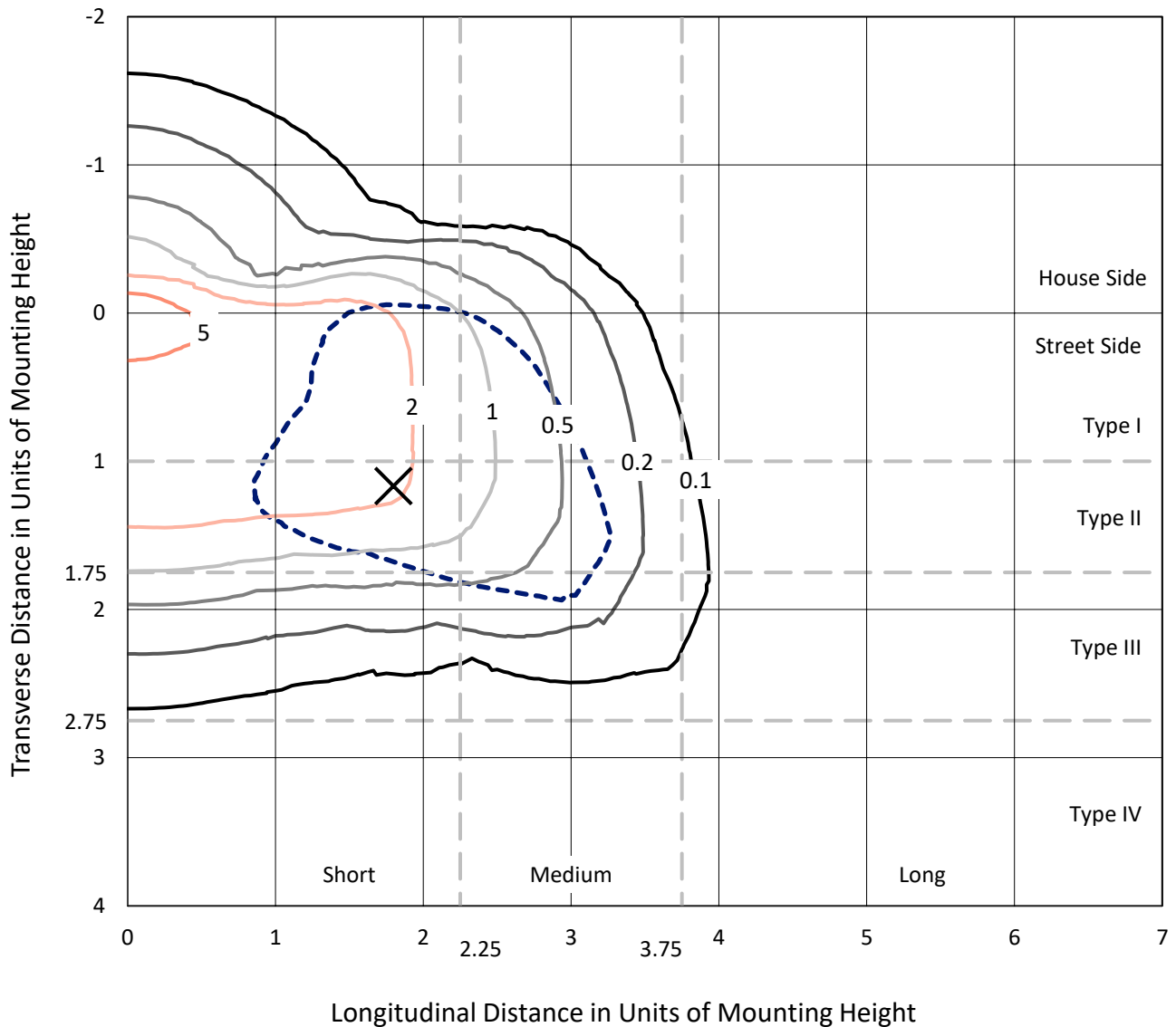
Lumens per Lamp: N/A
Luminaire Lumens: 19032.3 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

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

REPORT NUMBER: P480420
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

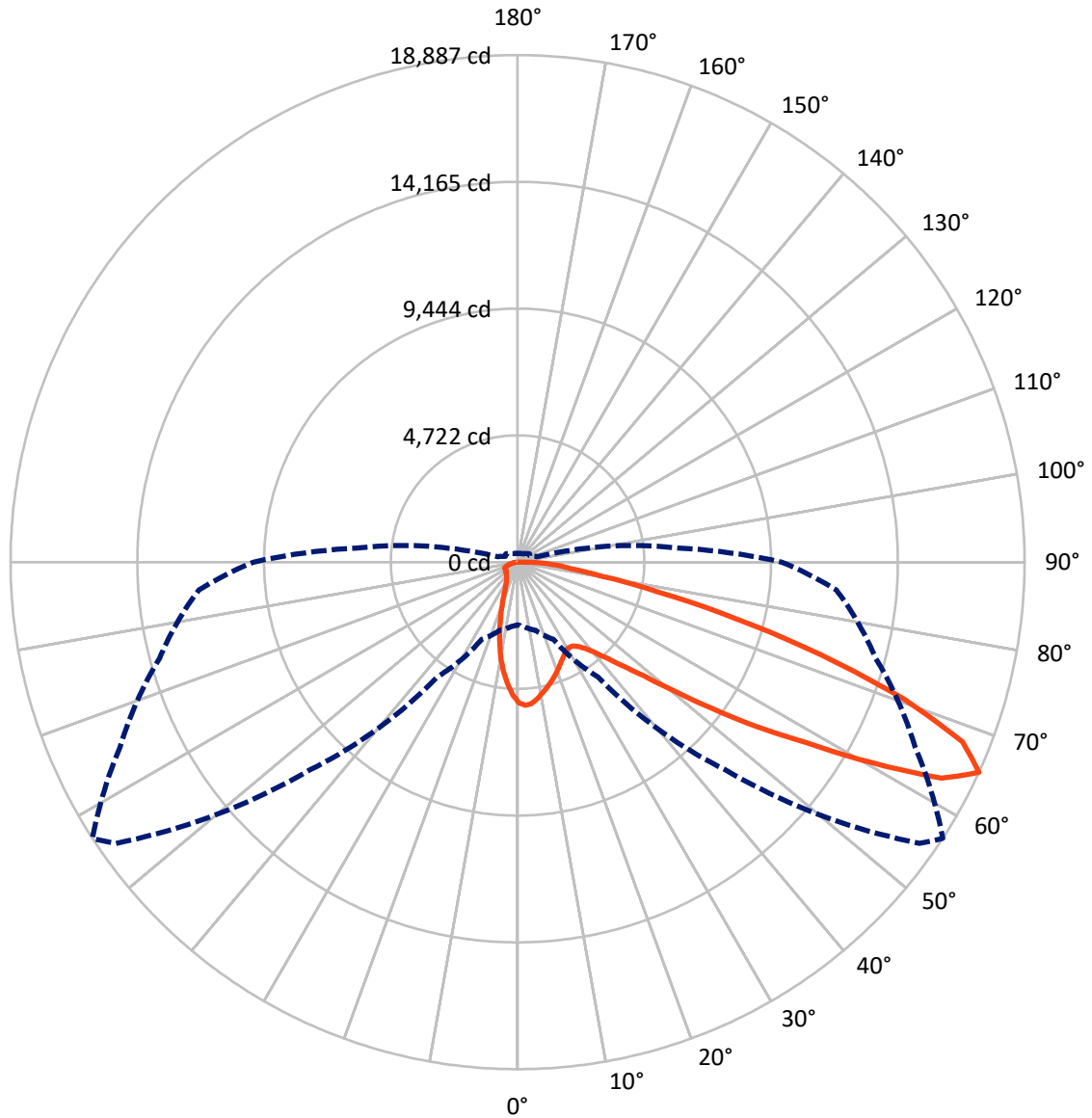
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

REPORT NUMBER: P480420
CATALOG NUMBER: IFLD-S-SA3C-730-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P480420
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2918.8	0.0	2918.8
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	16113.5	0.0	16113.5
	% Fixture	84.7	0.0	84.7
Total	Lumens	19032.3	0.0	19032.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.3	2.3
10°-20°	943.2	5.0
20°-30°	1219.5	6.4
30°-40°	1641.1	8.6
40°-50°	2616.8	13.7
50°-60°	4621.8	24.3
60°-70°	5084.6	26.7
70°-80°	2127.0	11.2
80°-90°	339.9	1.8
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°	19032.3	100.0
0°-180°	19032.3	100.0

Coefficient of Utilization



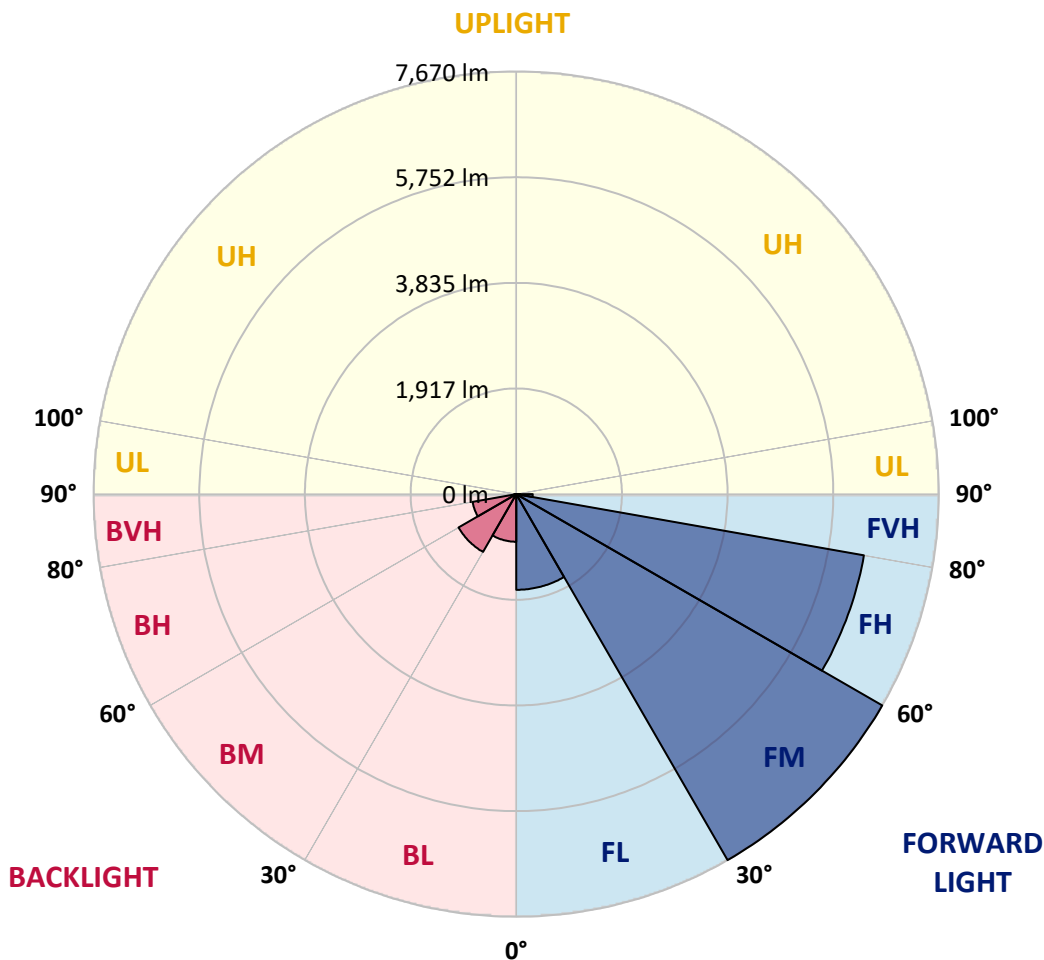
REPORT NUMBER: P480420
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1736.6	9.1			
FM (30°-60°)	7670.0	40.3			
FH (60°-80°)	6406.8	33.7			G3/7500
FVH (80°-90°)	300.1	1.6			G3/500
BL (0°-30°)	864.4	4.5	B2/1000		
BM (30°-60°)	1209.7	6.4	B2/2500		
BH (60°-80°)	804.8	4.2	B2/1000		G2/1000
BVH (80°-90°)	39.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





REPORT NUMBER: P480420

CATALOG NUMBER: IFLD-S-SA3C-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6
2.5°	5374.9	5383.5	5383.5	5400.6	5342.8	5370.7	5366.4	5340.7	5349.2	5304.3	5259.3
5°	5222.9	5216.5	5250.7	5255.0	5300.0	5312.8	5323.5	5306.4	5310.7	5212.2	5169.4
7.5°	4833.2	4831.0	4888.8	4938.1	5032.3	5120.1	5177.9	5160.8	5184.4	5122.3	5021.6
10°	4370.6	4419.9	4479.8	4529.1	4702.5	4813.9	4963.8	4978.8	5068.7	5053.7	4871.7
12.5°	4023.7	4045.1	4090.1	4231.4	4389.9	4574.1	4788.2	4807.5	4895.3	4938.1	4779.6
15°	3738.9	3758.2	3816.0	3920.9	4098.7	4317.1	4589.0	4638.3	4813.9	4828.9	4659.7
17.5°	3531.2	3546.2	3584.7	3689.6	3835.3	4115.8	4372.8	4460.6	4691.8	4764.6	4535.5
20°	3449.8	3417.7	3439.1	3505.5	3651.1	3867.4	4199.3	4276.4	4571.9	4715.4	4417.7
22.5°	3413.4	3385.6	3398.4	3394.1	3509.8	3664.0	4013.0	4094.4	4458.4	4657.6	4312.8
25°	3441.2	3441.2	3428.4	3417.7	3430.5	3531.2	3811.7	3938.1	4306.4	4608.3	4205.7
27.5°	3591.1	3533.3	3539.8	3494.8	3481.9	3481.9	3721.8	3796.7	4257.1	4580.5	4117.9
30°	3687.5	3715.3	3717.5	3651.1	3584.7	3464.8	3638.3	3711.1	4216.4	4614.7	4066.5
32.5°	3933.8	3920.9	3884.5	3871.7	3773.2	3638.3	3678.9	3728.2	4192.9	4691.8	4081.5
35°	4180.0	4173.6	4175.7	4169.3	4066.5	3867.4	3788.2	3854.5	4235.7	4826.7	4132.9
37.5°	4434.9	4452.0	4524.8	4524.8	4415.6	4199.3	4094.4	4075.1	4392.0	5047.3	4255.0
40°	4689.7	4732.5	4824.6	4970.2	4816.0	4614.7	4445.6	4415.6	4580.5	5342.8	4548.4
42.5°	4933.8	5004.5	5186.5	5402.8	5351.4	5150.1	4925.2	4891.0	4968.1	5781.8	4957.4
45°	5246.5	5306.4	5593.4	5925.3	5995.9	5818.2	5554.8	5527.0	5522.7	6424.2	5520.6
47.5°	5721.8	5786.1	6073.0	6407.1	6625.5	6653.4	6357.8	6327.9	6225.1	7291.5	6345.0
50°	6317.2	6422.1	6664.1	7053.8	7370.7	7668.4	7584.9	7497.1	7295.8	8300.1	7390.0
52.5°	6751.9	6880.4	7208.0	7706.9	8265.8	8739.1	9038.9	9038.9	8576.3	9407.2	8647.0
55°	6867.5	6944.6	7357.9	8079.5	9036.7	10233.8	10861.2	10814.1	10101.0	10572.1	10109.6
57.5°	6407.1	6507.7	7008.8	7764.8	9441.5	11632.1	12670.7	12681.4	11767.0	11925.5	11552.9
60°	5139.4	5171.5	5762.5	6773.3	9051.7	12758.5	15141.9	15182.6	13662.2	13131.1	12287.4
62.5°	3552.6	3655.4	4100.8	4987.3	7499.2	12632.2	17525.3	17726.6	15180.5	13767.1	12403.0
65°	2338.4	2400.5	2638.2	3177.9	5220.8	10949.0	18266.2	18887.2	16341.1	13803.5	11919.1
67.5°	1696.0	1706.7	1777.4	2055.8	3137.2	7874.0	17000.7	17876.5	16775.8	13499.4	10784.1
70°	1370.5	1379.1	1404.8	1582.5	2025.8	4927.4	13865.6	15238.3	15471.7	12058.3	8685.6
72.5°	1113.5	1124.2	1156.4	1323.4	1670.3	2741.0	10139.6	11812.0	12585.1	8921.1	5773.2
75°	875.8	884.4	961.5	1126.4	1569.7	1882.3	6726.2	8364.3	8469.3	5214.3	2702.5
77.5°	599.6	614.6	708.8	955.1	1477.6	1646.7	4192.9	5357.8	4807.5	2040.8	929.4
80°	381.2	402.6	458.3	723.8	1306.3	1571.8	2608.2	3199.3	2105.0	698.1	447.6
82.5°	224.8	246.3	301.9	469.0	1025.7	1458.3	1837.3	2002.2	987.2	357.6	269.8
85°	124.2	139.2	182.0	282.7	601.7	1295.6	1471.1	1436.9	565.3	190.6	169.2
87.5°	40.7	47.1	66.4	113.5	248.4	610.3	882.3	828.7	293.4	87.8	66.4
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: P480420
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6
2.5°	5229.3	5222.9	5126.5	5053.7	4929.5	4826.7	4786.1	4730.4	4728.2	4687.5	4676.8
5°	5103.0	5036.6	4888.8	4747.5	4526.9	4379.2	4244.3	4150.1	4111.5	4028.0	4008.7
7.5°	4940.2	4852.4	4625.4	4359.9	4100.8	3869.5	3659.7	3449.8	3332.0	3291.3	3246.4
10°	4771.1	4616.9	4280.7	3983.0	3621.1	3265.7	2935.9	2640.4	2479.8	2366.3	2317.0
12.5°	4636.2	4430.6	4002.3	3556.9	3079.3	2604.0	2220.6	1910.1	1728.1	1642.5	1603.9
15°	4484.1	4212.2	3698.2	3135.0	2539.7	2000.1	1625.3	1381.2	1308.4	1267.7	1261.3
17.5°	4323.5	4008.7	3368.4	2719.6	2012.9	1505.4	1263.4	1164.9	1132.8	1115.7	1107.1
20°	4173.6	3826.7	3030.1	2257.0	1576.1	1207.8	1094.3	1042.9	1040.7	1049.3	1047.1
22.5°	3961.6	3589.0	2696.0	1828.8	1259.1	1051.4	978.6	965.8	978.6	989.3	993.6
25°	3841.7	3394.1	2323.4	1451.9	1040.7	933.7	910.1	905.8	925.1	937.9	935.8
27.5°	3717.5	3192.8	1976.5	1162.8	912.2	850.1	845.9	850.1	869.4	888.7	886.5
30°	3621.1	3032.2	1651.0	972.2	813.7	790.2	785.9	790.2	800.9	803.0	803.0
32.5°	3541.9	2841.7	1374.8	843.7	753.8	734.5	738.8	736.6	738.8	740.9	743.1
35°	3494.8	2728.2	1147.8	764.5	704.5	689.5	687.4	681.0	683.1	685.3	683.1
37.5°	3595.4	2672.5	967.9	708.8	670.3	657.4	653.1	648.8	642.4	642.4	642.4
40°	3747.5	2642.5	858.7	672.4	644.6	629.6	616.7	612.4	612.4	614.6	616.7
42.5°	4049.4	2691.8	783.8	644.6	612.4	595.3	582.5	584.6	591.0	597.5	593.2
45°	4486.3	2841.7	749.5	623.2	593.2	569.6	561.0	558.9	565.3	576.0	584.6
47.5°	5058.0	3075.1	736.6	603.9	580.3	548.2	537.5	543.9	552.5	567.5	561.0
50°	5993.8	3599.7	747.4	586.7	561.0	537.5	524.6	518.2	524.6	535.4	539.6
52.5°	7216.6	4552.6	788.0	578.2	548.2	528.9	507.5	496.8	503.2	511.8	511.8
55°	8679.1	5854.6	901.5	567.5	526.8	516.1	492.5	471.1	475.4	475.4	473.3
57.5°	9968.3	6837.5	1036.4	552.5	513.9	498.9	469.0	443.3	439.0	441.1	443.3
60°	10546.4	7098.8	1100.7	548.2	513.9	477.5	436.8	411.2	404.7	400.4	400.4
62.5°	10445.8	6646.9	970.1	528.9	526.8	460.4	406.9	379.0	370.5	361.9	364.0
65°	9837.6	6002.4	764.5	503.2	528.9	449.7	376.9	349.0	334.1	323.4	321.2
67.5°	8726.2	5124.4	606.0	484.0	507.5	430.4	351.2	319.1	306.2	295.5	291.2
70°	6826.8	4017.3	526.8	458.3	456.1	383.3	321.2	293.4	274.1	261.3	261.3
72.5°	4426.3	2539.7	451.8	406.9	394.0	321.2	278.4	261.3	246.3	235.6	235.6
75°	2004.4	1179.9	364.0	340.5	321.2	257.0	235.6	227.0	214.1	203.4	203.4
77.5°	719.5	503.2	272.0	267.7	239.8	199.2	190.6	184.2	175.6	164.9	164.9
80°	402.6	319.1	203.4	194.9	167.0	147.8	137.1	137.1	132.8	126.3	124.2
82.5°	254.8	207.7	149.9	130.6	109.2	98.5	94.2	92.1	89.9	81.4	79.2
85°	160.6	141.3	98.5	77.1	64.2	49.3	47.1	45.0	40.7	36.4	36.4
87.5°	72.8	81.4	38.5	23.6	17.1	10.7	6.4	2.1	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)