

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: P480458

Luminaire Tested: **IFLD-S-SA3B-735-U-SL3**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P480458  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-735-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

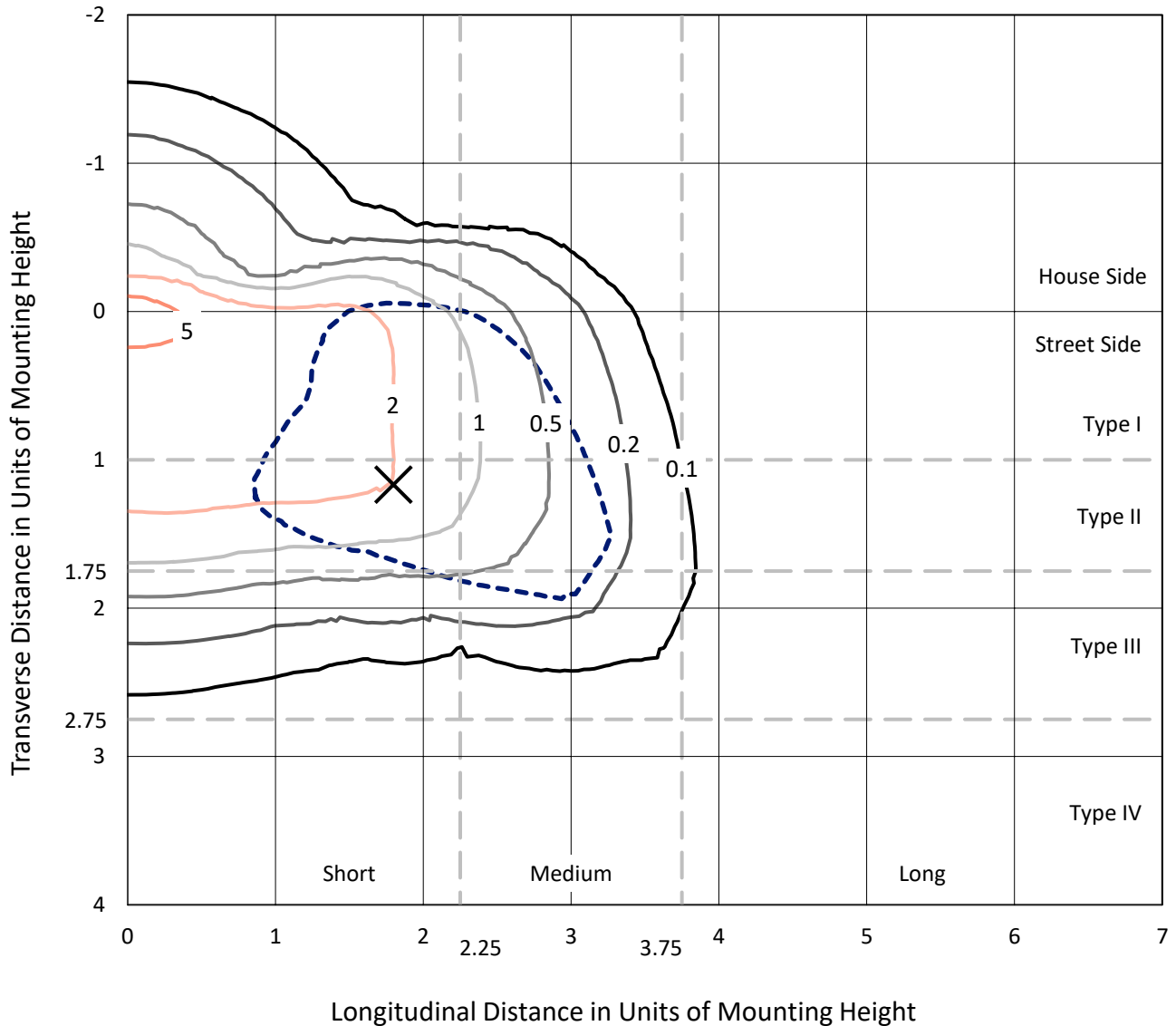
Lumens per Lamp: N/A  
Luminaire Lumens: 16560 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 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

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### Iso-Footcandle Lines of Horizontal Illumination

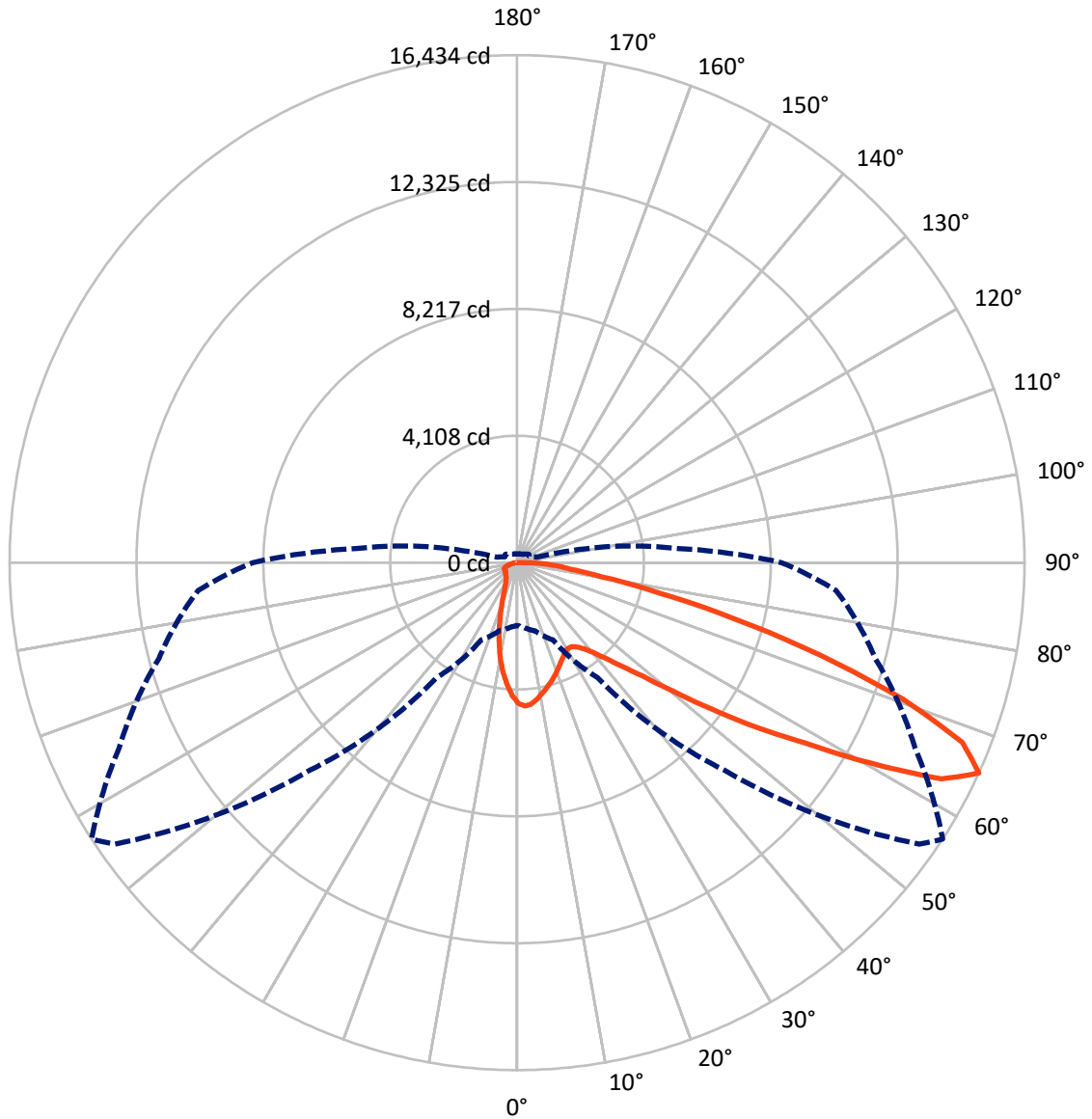
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2539.6	0.0	2539.6
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	14020.3	0.0	14020.3
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	16560.0	0.0	16560.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.3	2.3
10°-20°	820.7	5.0
20°-30°	1061.1	6.4
30°-40°	1427.9	8.6
40°-50°	2276.8	13.7
50°-60°	4021.5	24.3
60°-70°	4424.1	26.7
70°-80°	1850.7	11.2
80°-90°	295.8	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°	16560.0	100.0
0°-180°	16560.0	100.0

**Coefficient of Utilization**



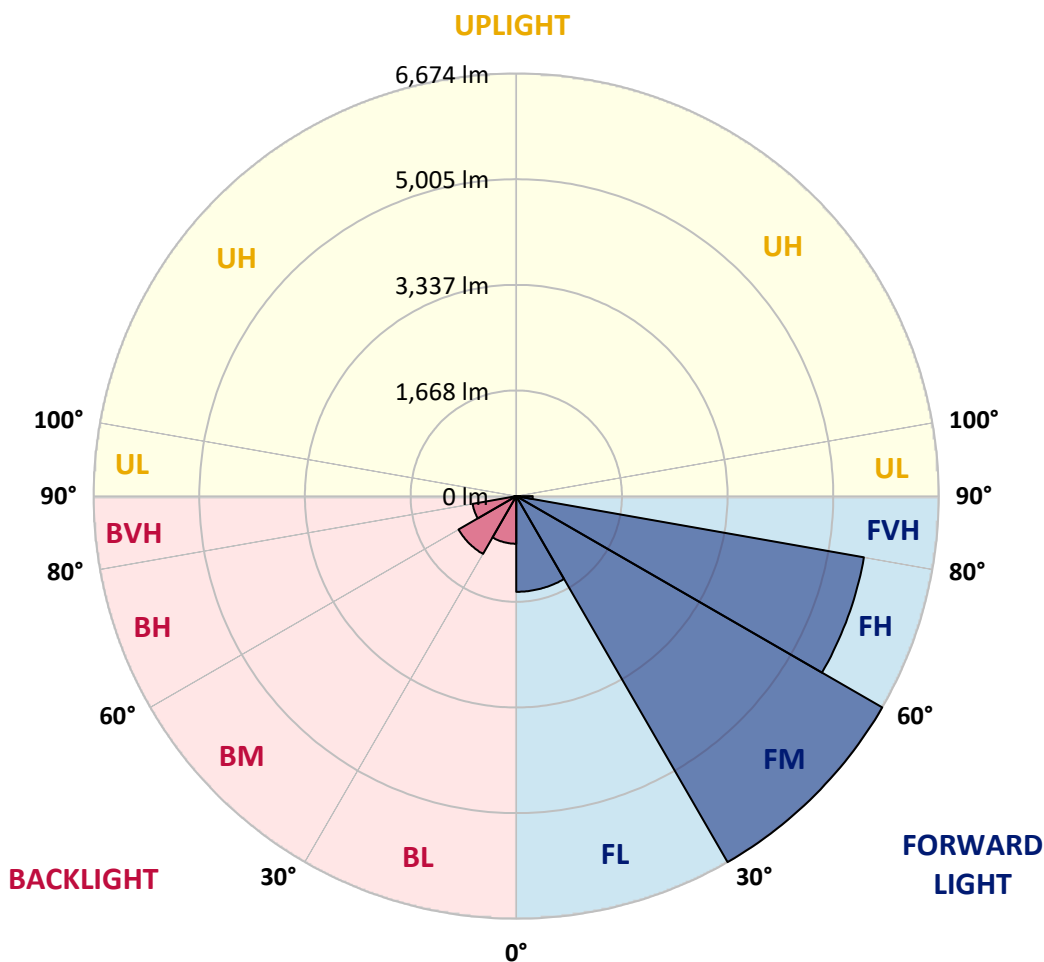
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1511.0	9.1			
FM (30°-60°)	6673.6	40.3			
FH (60°-80°)	5574.6	33.7			G3/7500
FVH (80°-90°)	261.1	1.6			G3/500
BL (0°-30°)	752.1	4.5	B2/1000		
BM (30°-60°)	1052.6	6.4	B2/2500		
BH (60°-80°)	700.3	4.2	B2/1000		G2/1000
BVH (80°-90°)	34.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8
2.5°	4676.7	4684.2	4684.2	4699.1	4648.8	4673.0	4669.3	4646.9	4654.4	4615.2	4576.1
5°	4544.4	4538.9	4568.7	4572.4	4611.5	4622.7	4632.0	4617.1	4620.8	4535.1	4497.9
7.5°	4205.3	4203.5	4253.8	4296.6	4378.6	4455.0	4505.3	4490.4	4510.9	4456.9	4369.3
10°	3802.9	3845.7	3897.9	3940.8	4091.7	4188.6	4319.0	4332.0	4410.3	4397.2	4238.9
12.5°	3501.0	3519.7	3558.8	3681.8	3819.6	3979.9	4166.2	4183.0	4259.4	4296.6	4158.8
15°	3253.2	3270.0	3320.3	3411.6	3566.2	3756.3	3992.9	4035.8	4188.6	4201.6	4054.4
17.5°	3072.5	3085.5	3119.1	3210.4	3337.1	3581.1	3804.7	3881.1	4082.4	4145.7	3946.3
20°	3001.7	2973.7	2992.4	3050.1	3176.8	3365.0	3653.8	3720.9	3978.0	4102.9	3843.9
22.5°	2970.0	2945.8	2957.0	2953.2	3053.8	3188.0	3491.7	3562.5	3879.3	4052.5	3752.6
25°	2994.2	2994.2	2983.0	2973.7	2984.9	3072.5	3316.6	3426.5	3747.0	4009.7	3659.4
27.5°	3124.7	3074.3	3079.9	3040.8	3029.6	3029.6	3238.3	3303.5	3704.1	3985.5	3583.0
30°	3208.5	3232.7	3234.6	3176.8	3119.1	3014.7	3165.6	3229.0	3668.7	4015.3	3538.3
32.5°	3422.8	3411.6	3379.9	3368.7	3283.0	3165.6	3201.0	3243.9	3648.2	4082.4	3551.3
35°	3637.0	3631.5	3633.3	3627.7	3538.3	3365.0	3296.1	3353.8	3685.5	4199.7	3596.1
37.5°	3858.8	3873.7	3937.0	3937.0	3842.0	3653.8	3562.5	3545.7	3821.5	4391.7	3702.3
40°	4080.5	4117.8	4197.9	4324.6	4190.4	4015.3	3868.1	3842.0	3985.5	4648.8	3957.5
42.5°	4292.9	4354.4	4512.8	4701.0	4656.2	4481.1	4285.5	4255.6	4322.7	5030.7	4313.4
45°	4564.9	4617.1	4866.8	5155.6	5217.1	5062.4	4833.2	4809.0	4805.3	5589.7	4803.4
47.5°	4978.6	5034.5	5284.1	5574.8	5764.9	5789.1	5532.0	5505.9	5416.4	6344.3	5520.8
50°	5496.6	5587.9	5798.4	6137.5	6413.3	6672.3	6599.6	6523.2	6348.1	7221.9	6430.0
52.5°	5874.8	5986.6	6271.7	6705.8	7192.1	7603.9	7864.7	7864.7	7462.3	8185.2	7523.8
55°	5975.4	6042.5	6402.1	7030.0	7862.9	8904.4	9450.4	9409.4	8788.9	9198.8	8796.4
57.5°	5574.8	5662.4	6098.4	6756.1	8215.0	10121.1	11024.8	11034.1	10238.5	10376.4	10052.2
60°	4471.8	4499.7	5014.0	5893.4	7875.9	11101.2	13175.0	13210.4	11887.5	11425.4	10691.3
62.5°	3091.1	3180.5	3568.1	4339.5	6525.1	10991.2	15248.8	15423.9	13208.5	11978.8	10791.9
65°	2034.7	2088.7	2295.5	2765.0	4542.6	9526.7	15893.4	16433.8	14218.4	12010.4	10370.8
67.5°	1475.7	1485.0	1546.5	1788.7	2729.6	6851.1	14792.3	15554.3	14596.6	11745.9	9383.3
70°	1192.5	1199.9	1222.3	1376.9	1762.6	4287.3	12064.5	13258.8	13461.9	10491.9	7557.3
72.5°	968.9	978.2	1006.1	1151.5	1453.3	2384.9	8822.4	10277.6	10950.3	7762.3	5023.3
75°	762.1	769.5	836.6	980.1	1365.8	1637.8	5852.4	7277.8	7369.1	4537.0	2351.4
77.5°	521.7	534.7	616.7	831.0	1285.6	1432.8	3648.2	4661.8	4183.0	1775.7	808.6
80°	331.7	350.3	398.7	629.8	1136.6	1367.6	2269.4	2783.7	1831.6	607.4	389.4
82.5°	195.6	214.3	262.7	408.0	892.5	1268.9	1598.7	1742.1	859.0	311.2	234.8
85°	108.1	121.1	158.4	245.9	523.6	1127.3	1280.0	1250.2	491.9	165.8	147.2
87.5°	35.4	41.0	57.8	98.8	216.1	531.0	767.7	721.1	255.3	76.4	57.8
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°	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8	4553.8
2.5°	4550.0	4544.4	4460.6	4397.2	4289.2	4199.7	4164.3	4115.9	4114.0	4078.6	4069.3
5°	4440.1	4382.3	4253.8	4130.8	3938.9	3810.3	3692.9	3611.0	3577.4	3504.8	3488.0
7.5°	4298.5	4222.1	4024.6	3793.6	3568.1	3366.9	3184.3	3001.7	2899.2	2863.8	2824.7
10°	4151.3	4017.1	3724.6	3465.6	3150.7	2841.4	2554.5	2297.4	2157.6	2058.9	2016.0
12.5°	4033.9	3855.0	3482.4	3094.8	2679.3	2265.7	1932.2	1662.0	1503.6	1429.1	1395.6
15°	3901.6	3665.0	3217.8	2727.8	2209.8	1740.3	1414.2	1201.8	1138.4	1103.0	1097.4
17.5°	3761.9	3488.0	2930.9	2366.3	1751.4	1309.9	1099.3	1013.6	985.7	970.7	963.3
20°	3631.5	3329.6	2636.5	1963.9	1371.3	1050.9	952.1	907.4	905.5	913.0	911.1
22.5°	3447.0	3122.8	2345.8	1591.2	1095.6	914.9	851.5	840.3	851.5	860.8	864.5
25°	3342.7	2953.2	2021.6	1263.3	905.5	812.4	791.9	788.2	804.9	816.1	814.2
27.5°	3234.6	2778.1	1719.8	1011.7	793.7	739.7	736.0	739.7	756.5	773.2	771.4
30°	3150.7	2638.3	1436.6	845.9	708.0	687.5	683.8	687.5	696.9	698.7	698.7
32.5°	3081.8	2472.5	1196.2	734.1	655.9	639.1	642.8	641.0	642.8	644.7	646.5
35°	3040.8	2373.8	998.7	665.2	613.0	600.0	598.1	592.5	594.4	596.2	594.4
37.5°	3128.4	2325.3	842.2	616.7	583.2	572.0	568.3	564.6	559.0	559.0	559.0
40°	3260.7	2299.2	747.2	585.1	560.8	547.8	536.6	532.9	532.9	534.7	536.6
42.5°	3523.4	2342.1	681.9	560.8	532.9	518.0	506.8	508.7	514.3	519.8	516.1
45°	3903.5	2472.5	652.1	542.2	516.1	495.6	488.2	486.3	491.9	501.2	508.7
47.5°	4401.0	2675.6	641.0	525.4	504.9	477.0	467.7	473.3	480.7	493.8	488.2
50°	5215.2	3132.1	650.3	510.5	488.2	467.7	456.5	450.9	456.5	465.8	469.5
52.5°	6279.1	3961.2	685.7	503.1	477.0	460.2	441.6	432.3	437.9	445.3	445.3
55°	7551.7	5094.1	784.4	493.8	458.4	449.0	428.5	409.9	413.6	413.6	411.8
57.5°	8673.4	5949.3	901.8	480.7	447.2	434.1	408.0	385.7	382.0	383.8	385.7
60°	9176.5	6176.6	957.7	477.0	447.2	415.5	380.1	357.7	352.2	348.4	348.4
62.5°	9088.9	5783.5	844.0	460.2	458.4	400.6	354.0	329.8	322.3	314.9	316.8
65°	8559.7	5222.7	665.2	437.9	460.2	391.3	327.9	303.7	290.7	281.3	279.5
67.5°	7592.7	4458.7	527.3	421.1	441.6	374.5	305.6	277.6	266.4	257.1	253.4
70°	5940.0	3495.4	458.4	398.7	396.9	333.5	279.5	255.3	238.5	227.3	227.3
72.5°	3851.3	2209.8	393.1	354.0	342.8	279.5	242.2	227.3	214.3	205.0	205.0
75°	1744.0	1026.6	316.8	296.3	279.5	223.6	205.0	197.5	186.3	177.0	177.0
77.5°	626.0	437.9	236.6	232.9	208.7	173.3	165.8	160.2	152.8	143.5	143.5
80°	350.3	277.6	177.0	169.6	145.3	128.6	119.2	119.2	115.5	109.9	108.1
82.5°	221.7	180.7	130.4	113.7	95.0	85.7	82.0	80.1	78.3	70.8	68.9
85°	139.7	123.0	85.7	67.1	55.9	42.9	41.0	39.1	35.4	31.7	31.7
87.5°	63.4	70.8	33.5	20.5	14.9	9.3	5.6	1.9	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)