

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: P480536

Luminaire Tested: **IFLD-S-SA3B-750-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480536
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-750-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

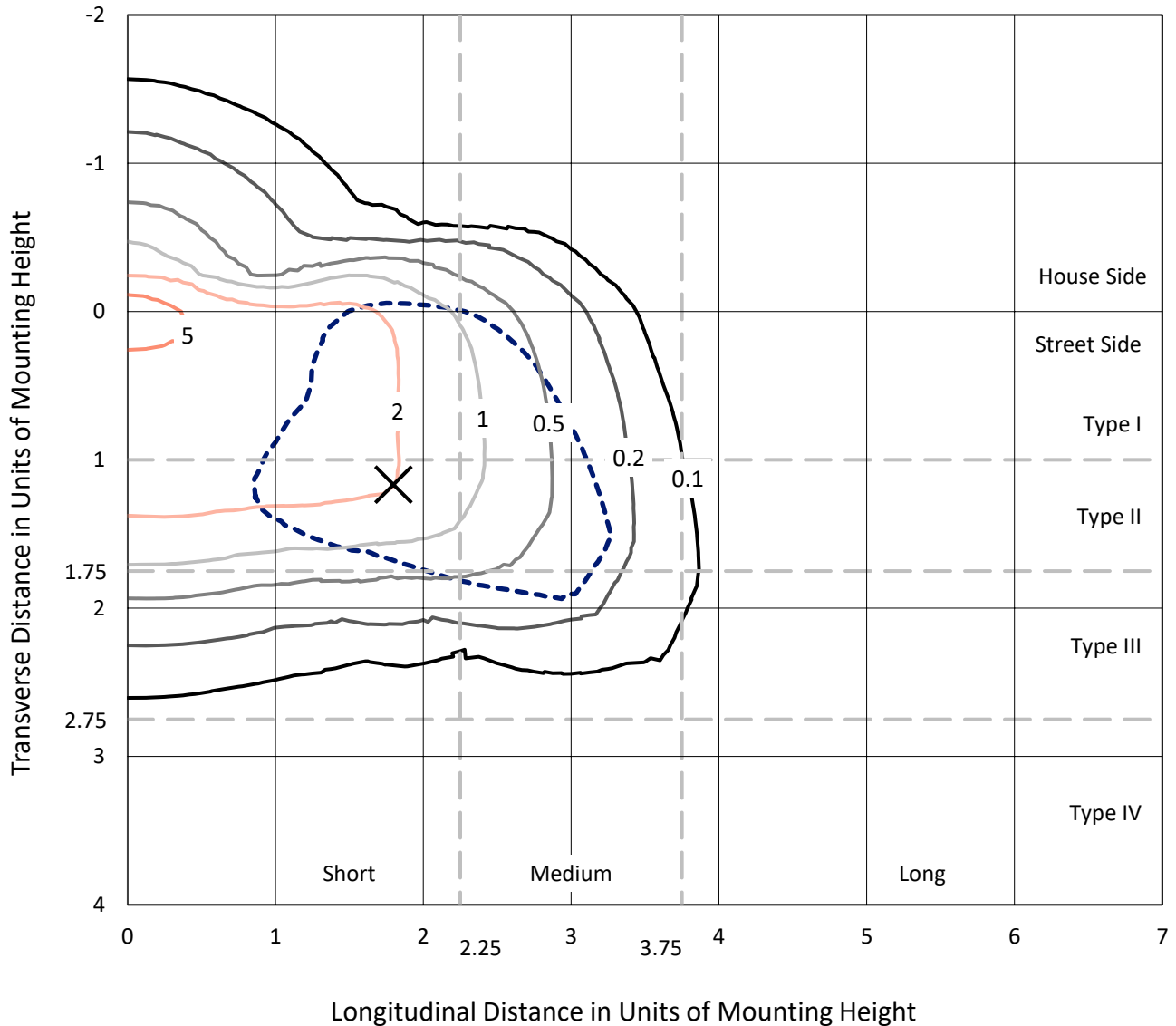
Lumens per Lamp: N/A
Luminaire Lumens: 17174.5 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

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

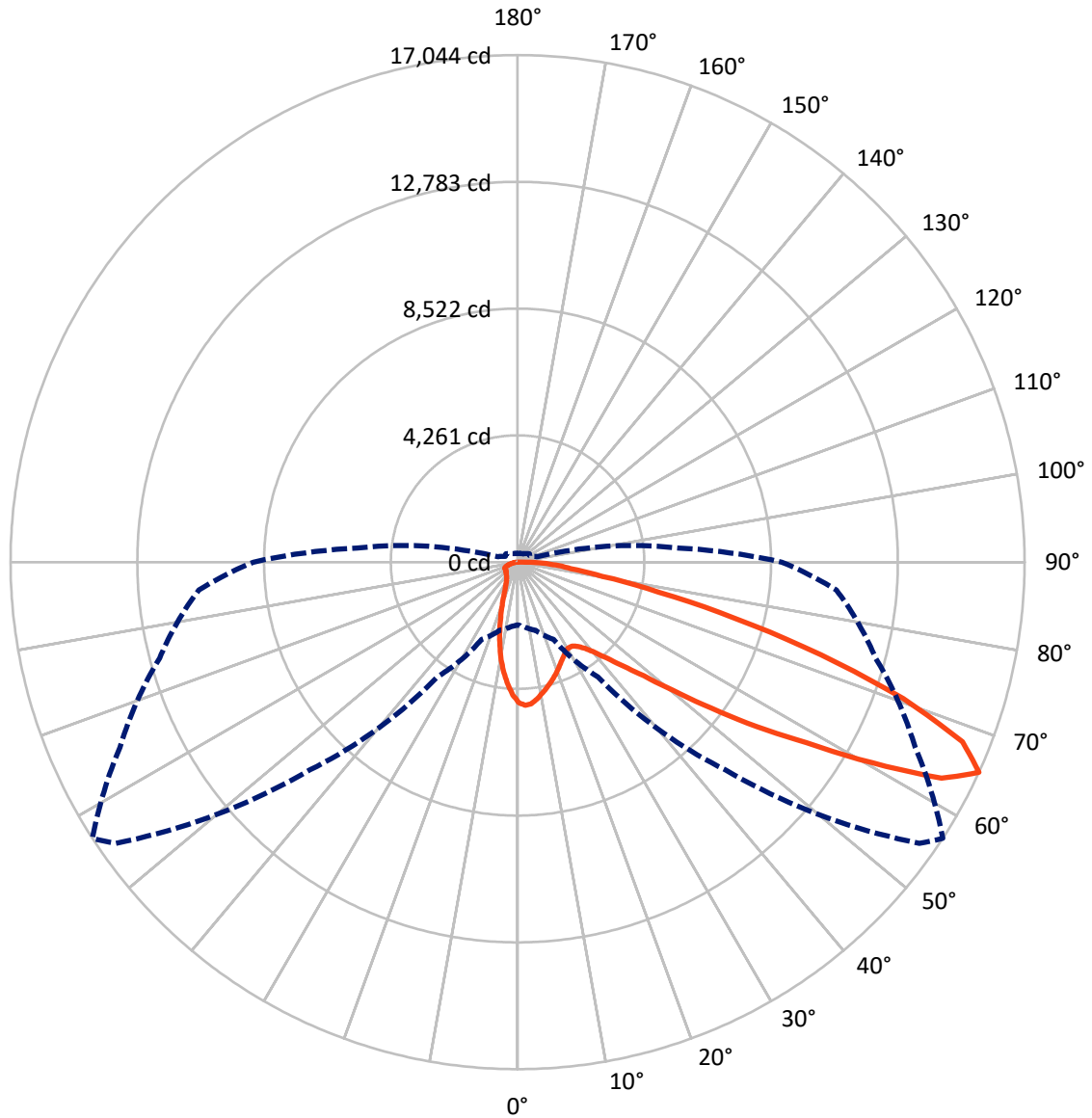
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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
House Side	Lumens	2633.9	0.0	2633.9
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	14540.6	0.0	14540.6
	% Fixture	84.7	0.0	84.7
Total	Lumens	17174.5	0.0	17174.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.5	2.3
10°-20°	851.2	5.0
20°-30°	1100.5	6.4
30°-40°	1480.9	8.6
40°-50°	2361.3	13.7
50°-60°	4170.7	24.3
60°-70°	4588.3	26.7
70°-80°	1919.4	11.2
80°-90°	306.8	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°	17174.5	100.0
0°-180°	17174.5	100.0

Coefficient of Utilization



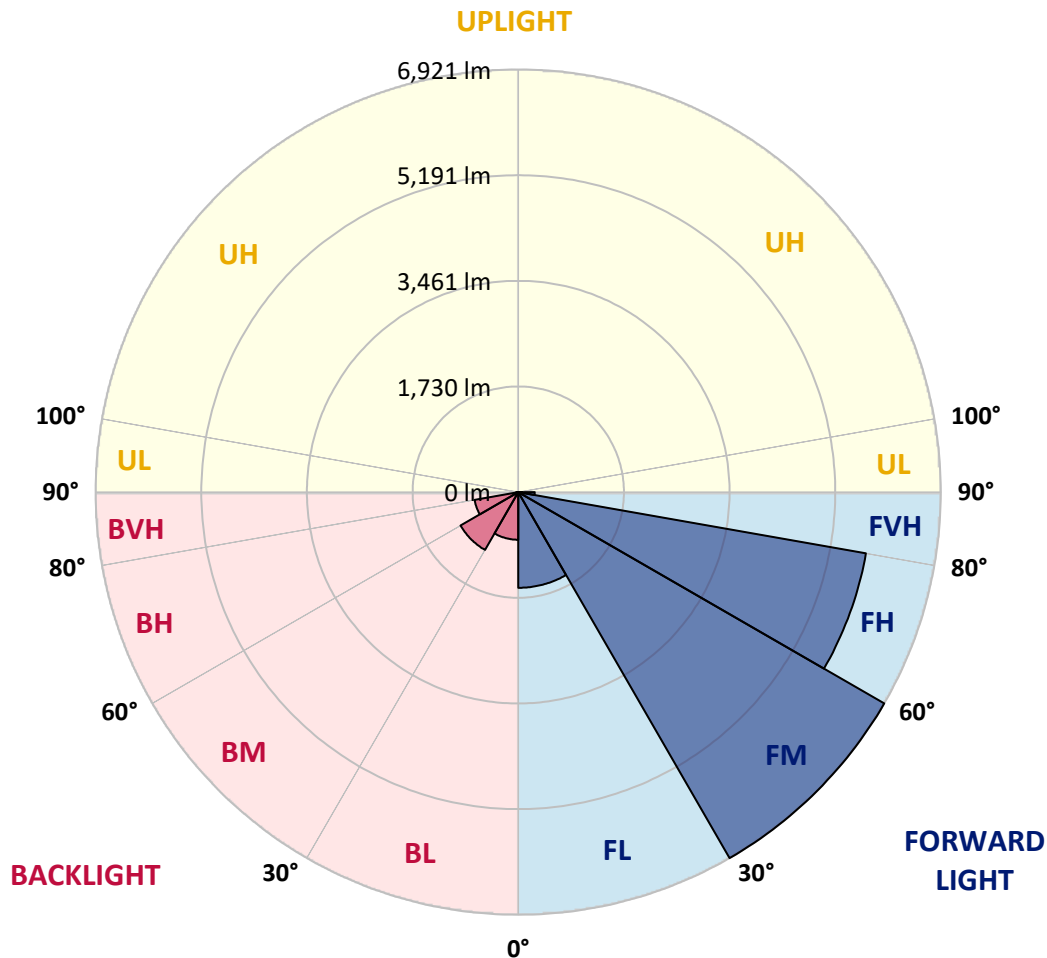
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1567.1	9.1			
FM (30°-60°)	6921.3	40.3			
FH (60°-80°)	5781.4	33.7			G3/7500
FVH (80°-90°)	270.8	1.6			G3/500
BL (0°-30°)	780.0	4.5	B2/1000		
BM (30°-60°)	1091.6	6.4	B2/2500		
BH (60°-80°)	726.2	4.2	B2/1000		G2/1000
BVH (80°-90°)	36.0	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°	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7
2.5°	4850.3	4858.0	4858.0	4873.5	4821.3	4846.4	4842.5	4819.4	4827.1	4786.5	4745.9
5°	4713.1	4707.3	4738.2	4742.1	4782.6	4794.2	4803.9	4788.4	4792.3	4703.4	4664.8
7.5°	4361.4	4359.5	4411.6	4456.1	4541.1	4620.3	4672.5	4657.0	4678.3	4622.3	4531.4
10°	3944.0	3988.4	4042.5	4087.0	4243.5	4344.0	4479.3	4492.8	4573.9	4560.4	4396.2
12.5°	3630.9	3650.3	3690.8	3818.4	3961.4	4127.6	4320.8	4338.2	4417.4	4456.1	4313.1
15°	3373.9	3391.3	3443.5	3538.2	3698.6	3895.7	4141.1	4185.5	4344.0	4357.5	4204.9
17.5°	3186.5	3200.0	3234.8	3329.5	3460.9	3714.0	3945.9	4025.2	4233.8	4299.5	4092.8
20°	3113.1	3084.1	3103.4	3163.3	3294.7	3489.9	3789.4	3859.0	4125.6	4255.1	3986.5
22.5°	3080.2	3055.1	3066.7	3062.8	3167.2	3306.3	3621.3	3694.7	4023.2	4202.9	3891.8
25°	3105.3	3105.3	3093.7	3084.1	3095.7	3186.5	3439.6	3553.6	3886.0	4158.5	3795.2
27.5°	3240.6	3188.4	3194.2	3153.6	3142.1	3142.1	3358.5	3426.1	3841.6	4133.4	3716.0
30°	3327.6	3352.7	3354.6	3294.7	3234.8	3126.6	3283.1	3348.8	3804.9	4164.3	3669.6
32.5°	3549.8	3538.2	3505.3	3493.7	3404.9	3283.1	3319.8	3364.3	3783.6	4233.8	3683.1
35°	3772.0	3766.2	3768.1	3762.3	3669.6	3489.9	3418.4	3478.3	3822.3	4355.6	3729.5
37.5°	4002.0	4017.4	4083.1	4083.1	3984.6	3789.4	3694.7	3677.3	3963.3	4554.6	3839.6
40°	4231.9	4270.6	4353.7	4485.1	4345.9	4164.3	4011.6	3984.6	4133.4	4821.3	4104.4
42.5°	4452.2	4516.0	4680.2	4875.4	4829.0	4647.4	4444.5	4413.6	4483.1	5217.4	4473.5
45°	4734.3	4788.4	5047.4	5346.9	5410.7	5250.3	5012.6	4987.5	4983.6	5797.1	4981.7
47.5°	5163.3	5221.3	5480.2	5781.7	5978.8	6003.9	5737.2	5710.2	5617.4	6579.8	5725.6
50°	5700.5	5795.2	6013.6	6365.3	6651.3	6919.9	6844.5	6765.3	6583.6	7489.9	6668.6
52.5°	6092.8	6208.7	6504.4	6954.6	7459.0	7886.0	8156.6	8156.6	7739.2	8489.0	7803.0
55°	6197.1	6266.7	6639.7	7290.9	8154.6	9234.9	9801.0	9758.5	9115.0	9540.2	9122.8
57.5°	5781.7	5872.5	6324.7	7006.8	8519.9	10496.7	11433.9	11443.6	10618.4	10761.4	10425.2
60°	4637.7	4666.7	5200.0	6112.1	8168.2	11513.1	13663.9	13700.6	12328.6	11849.4	11088.0
62.5°	3205.8	3298.6	3700.5	4500.5	6767.2	11399.1	15814.6	15996.3	13698.7	12423.3	11192.4
65°	2110.2	2166.2	2380.7	2867.7	4711.1	9880.3	16483.2	17043.6	14746.0	12456.1	10755.6
67.5°	1530.4	1540.1	1603.9	1855.1	2830.9	7105.4	15341.2	16131.5	15138.3	12181.7	9731.5
70°	1236.7	1244.5	1267.6	1428.0	1828.0	4446.4	12512.2	13750.8	13961.5	10881.2	7837.7
72.5°	1004.8	1014.5	1043.5	1194.2	1507.3	2473.4	9149.8	10659.0	11356.6	8050.3	5209.7
75°	790.3	798.1	867.6	1016.4	1416.4	1698.6	6069.6	7547.9	7642.6	4705.3	2438.7
77.5°	541.1	554.6	639.6	861.8	1333.3	1486.0	3783.6	4834.8	4338.2	1841.6	838.7
80°	344.0	363.3	413.5	653.1	1178.8	1418.4	2353.6	2887.0	1899.5	630.0	403.9
82.5°	202.9	222.2	272.5	423.2	925.6	1316.0	1658.0	1806.8	890.8	322.7	243.5
85°	112.1	125.6	164.3	255.1	543.0	1169.1	1327.5	1296.6	510.1	172.0	152.7
87.5°	36.7	42.5	59.9	102.4	224.2	550.7	796.1	747.8	264.7	79.2	59.9
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°	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7	4722.7
2.5°	4718.9	4713.1	4626.1	4560.4	4448.3	4355.6	4318.9	4268.6	4266.7	4230.0	4220.3
5°	4604.9	4545.0	4411.6	4284.1	4085.1	3951.7	3830.0	3745.0	3710.2	3634.8	3617.4
7.5°	4458.0	4378.8	4173.9	3934.3	3700.5	3491.8	3302.4	3113.1	3006.8	2970.1	2929.5
10°	4305.3	4166.2	3862.8	3594.2	3267.7	2946.9	2649.3	2382.6	2237.7	2135.3	2090.8
12.5°	4183.6	3998.1	3611.6	3209.7	2778.8	2349.8	2003.9	1723.7	1559.4	1482.1	1447.4
15°	4046.4	3801.0	3337.2	2829.0	2291.8	1804.8	1466.7	1246.4	1180.7	1144.0	1138.2
17.5°	3901.5	3617.4	3039.6	2454.1	1816.4	1358.5	1140.1	1051.2	1022.2	1006.8	999.0
20°	3766.2	3453.2	2734.3	2036.7	1422.2	1089.9	987.4	941.1	939.1	946.9	944.9
22.5°	3574.9	3238.7	2432.9	1650.3	1136.2	948.8	883.1	871.5	883.1	892.8	896.6
25°	3466.7	3062.8	2096.6	1310.2	939.1	842.5	821.3	817.4	834.8	846.4	844.5
27.5°	3354.6	2881.2	1783.6	1049.3	823.2	767.2	763.3	767.2	784.5	801.9	800.0
30°	3267.7	2736.3	1489.9	877.3	734.3	713.0	709.2	713.0	722.7	724.6	724.6
32.5°	3196.2	2564.3	1240.6	761.4	680.2	662.8	666.7	664.7	666.7	668.6	670.5
35°	3153.6	2461.9	1035.8	689.9	635.8	622.2	620.3	614.5	616.4	618.4	616.4
37.5°	3244.5	2411.6	873.4	639.6	604.8	593.2	589.4	585.5	579.7	579.7	579.7
40°	3381.7	2384.6	774.9	606.8	581.6	568.1	556.5	552.7	552.7	554.6	556.5
42.5°	3654.1	2429.0	707.3	581.6	552.7	537.2	525.6	527.5	533.3	539.1	535.3
45°	4048.3	2564.3	676.3	562.3	535.3	514.0	506.3	504.4	510.1	519.8	527.5
47.5°	4564.3	2774.9	664.7	544.9	523.7	494.7	485.0	490.8	498.6	512.1	506.3
50°	5408.7	3248.3	674.4	529.5	506.3	485.0	473.4	467.6	473.4	483.1	487.0
52.5°	6512.1	4108.2	711.1	521.7	494.7	477.3	458.0	448.3	454.1	461.8	461.8
55°	7831.9	5283.1	813.5	512.1	475.4	465.7	444.4	425.1	429.0	429.0	427.1
57.5°	8995.2	6170.1	935.3	498.6	463.8	450.2	423.2	400.0	396.1	398.1	400.0
60°	9517.0	6405.8	993.2	494.7	463.8	430.9	394.2	371.0	365.2	361.4	361.4
62.5°	9426.2	5998.1	875.4	477.3	475.4	415.5	367.2	342.0	334.3	326.6	328.5
65°	8877.4	5416.5	689.9	454.1	477.3	405.8	340.1	315.0	301.5	291.8	289.9
67.5°	7874.5	4624.2	546.9	436.7	458.0	388.4	316.9	287.9	276.3	266.7	262.8
70°	6160.4	3625.1	475.4	413.5	411.6	345.9	289.9	264.7	247.3	235.8	235.8
72.5°	3994.2	2291.8	407.7	367.2	355.6	289.9	251.2	235.8	222.2	212.6	212.6
75°	1808.7	1064.7	328.5	307.2	289.9	231.9	212.6	204.8	193.2	183.6	183.6
77.5°	649.3	454.1	245.4	241.5	216.4	179.7	172.0	166.2	158.5	148.8	148.8
80°	363.3	287.9	183.6	175.8	150.7	133.3	123.7	123.7	119.8	114.0	112.1
82.5°	230.0	187.4	135.3	117.9	98.6	88.9	85.0	83.1	81.2	73.4	71.5
85°	144.9	127.5	88.9	69.6	58.0	44.4	42.5	40.6	36.7	32.9	32.9
87.5°	65.7	73.4	34.8	21.3	15.5	9.7	5.8	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)