

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: P636918

Luminaire Tested: **IFLD-S-SA3C-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636918
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10366.3 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

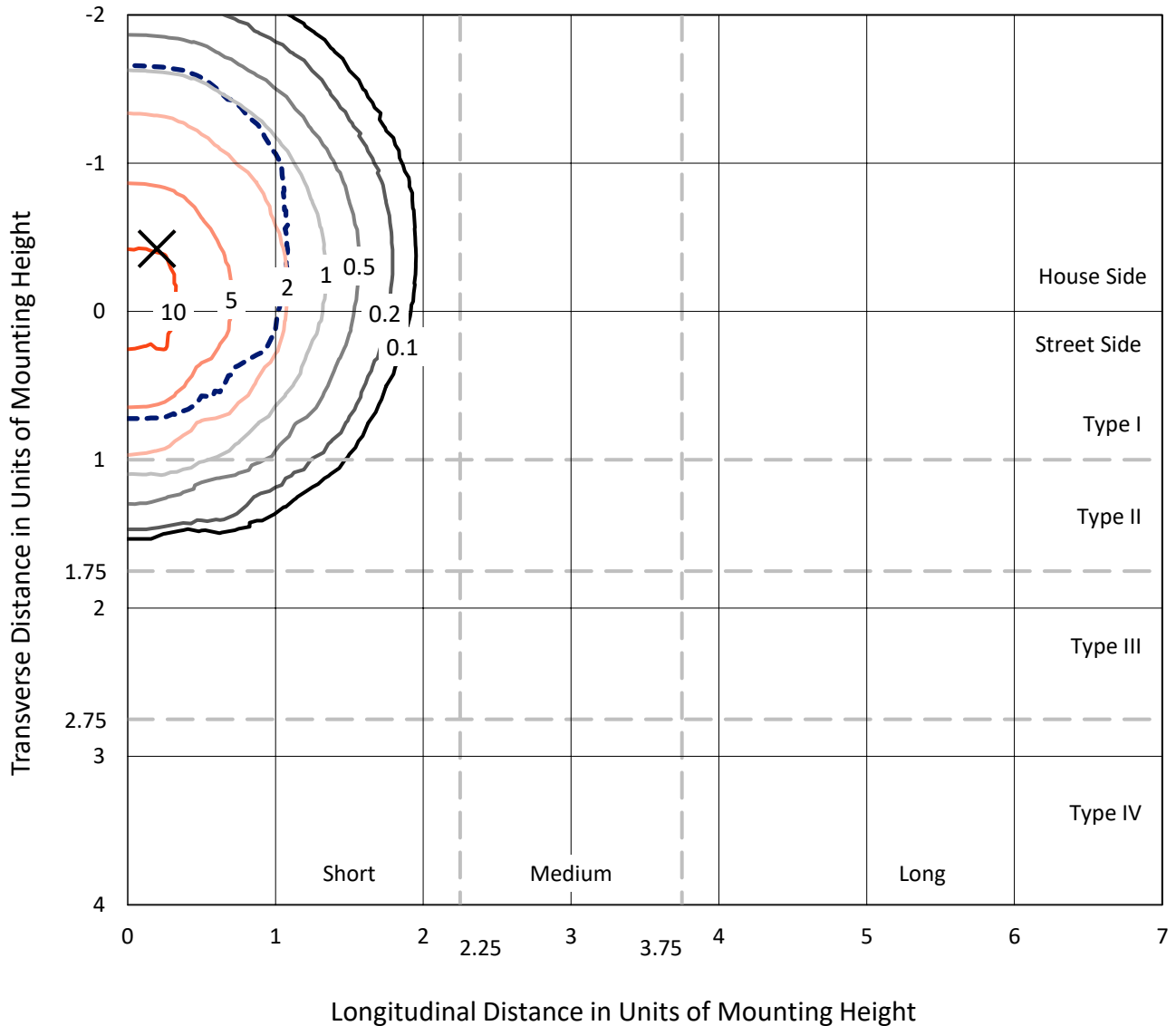
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636918
 CATALOG NUMBER: IFLD-S-SA3C-935-U-LAM-VI

Iso-Footcandle Lines of Horizontal Illumination

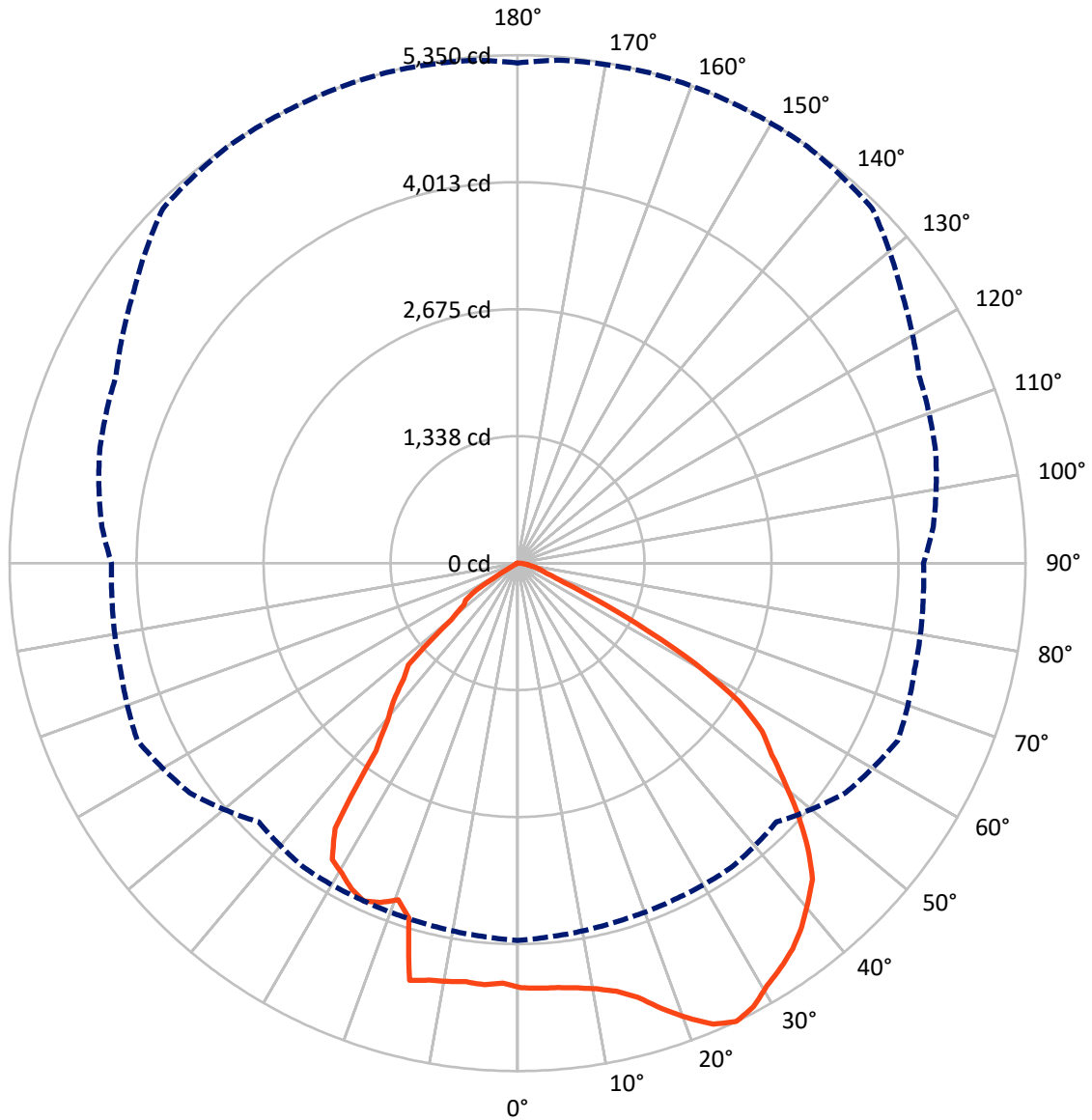
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.2 fc
 Type I - Short - N/A

REPORT NUMBER: P636918
CATALOG NUMBER: IFLD-S-SA3C-935-U-LAM-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

REPORT NUMBER: P636918
 CATALOG NUMBER: IFLD-S-SA3C-935-U-LAM-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6417.8	0.0	6417.8
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	3948.5	0.0	3948.5
	% Fixture	38.1	0.0	38.1
Total	Lumens	10366.3	0.0	10366.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.1	4.1
10°-20°	1310.3	12.6
20°-30°	2071.5	20.0
30°-40°	2339.9	22.6
40°-50°	2191.4	21.1
50°-60°	1510.8	14.6
60°-70°	405.9	3.9
70°-80°	84.6	0.8
80°-90°	22.9	0.2
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°	10366.3	100.0
0°-180°	10366.3	100.0



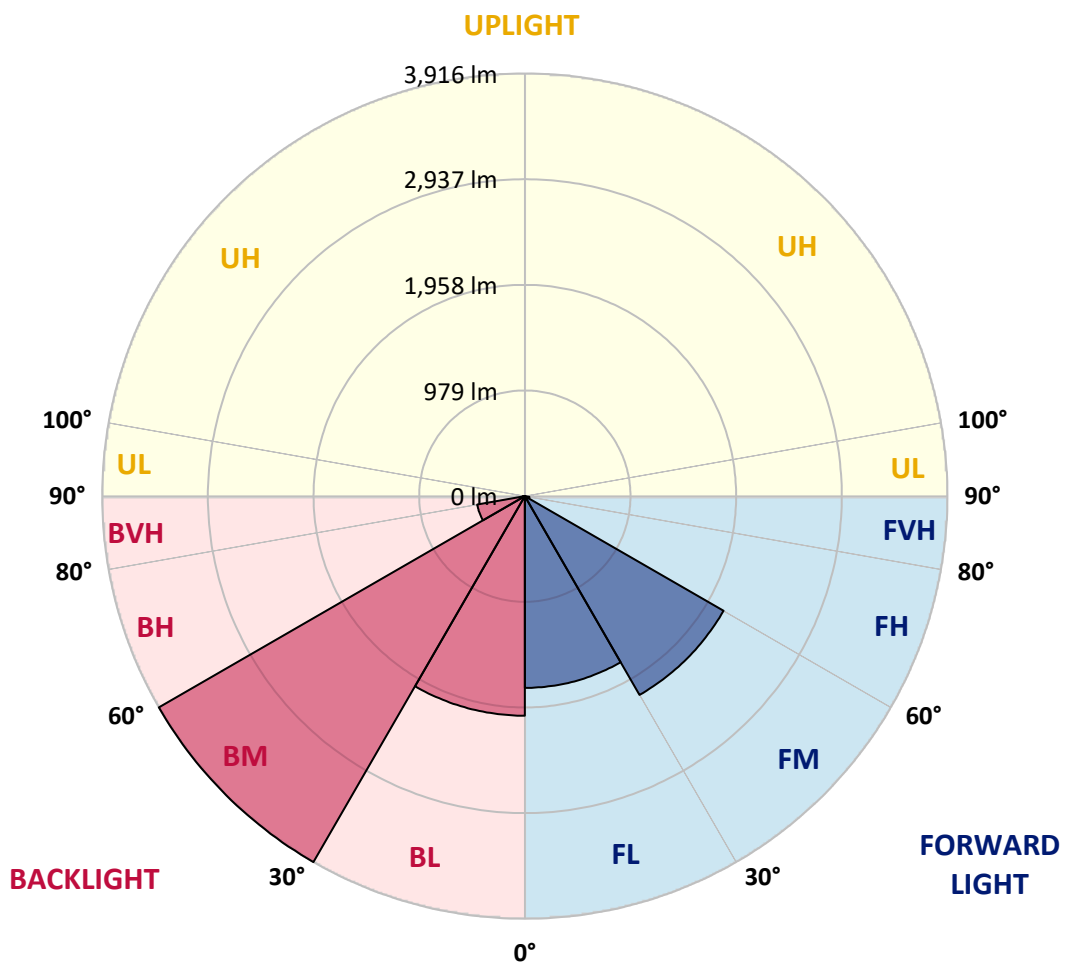
REPORT NUMBER: P636918
 CATALOG NUMBER: IFLD-S-SA3C-935-U-LAM-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1776.5	17.1			
FM (30°-60°)	2126.4	20.5			
FH (60°-80°)	42.6	0.4			G0/660
FVH (80°-90°)	3.1	0.0			G0/10
BL (0°-30°)	2034.4	19.6	B3/2500		
BM (30°-60°)	3915.7	37.8	B3/5000		
BH (60°-80°)	447.9	4.3	B1/500		G1/500
BVH (80°-90°)	19.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





REPORT NUMBER: P636918
 CATALOG NUMBER: IFLD-S-SA3C-935-U-LAM-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9
2.5°	4492.7	4463.7	4436.3	4427.2	4465.3	4506.4	4480.5	4482.0	4472.9	4489.6
5°	4526.2	4486.6	4468.3	4454.6	4460.7	4503.3	4466.8	4480.5	4465.3	4485.1
7.5°	4514.0	4486.6	4468.3	4442.4	4462.2	4512.5	4477.4	4479.0	4471.3	4489.6
10°	4506.4	4486.6	4463.7	4466.8	4489.6	4532.3	4504.9	4520.1	4509.4	4520.1
12.5°	4524.7	4503.3	4491.2	4491.2	4511.0	4559.7	4546.0	4559.7	4555.1	4564.3
15°	4352.5	4372.3	4488.1	4539.9	4579.5	4628.3	4622.2	4635.9	4638.9	4652.6
17.5°	3671.5	3651.7	3642.6	3909.2	4617.6	4768.4	4763.9	4762.3	4747.1	4736.4
20°	3761.4	3753.8	3743.1	3762.9	3842.2	4841.5	4872.0	4684.6	4629.8	4625.2
22.5°	3904.6	3892.4	3852.8	3854.3	3878.7	4209.3	4721.2	4550.6	4532.3	4521.6
25°	3974.7	3950.3	3918.3	3909.2	3916.8	3855.9	4216.9	4419.6	4329.7	4288.5
27.5°	3851.3	3852.8	3826.9	3851.3	3822.4	3548.1	3394.3	4163.6	4160.6	4142.3
30°	3758.4	3753.8	3723.3	3753.8	3554.2	3248.0	3182.5	3883.3	3851.3	3826.9
32.5°	3473.5	3476.5	3564.9	3683.7	3356.2	3113.9	2915.9	3468.9	3772.1	3758.4
35°	2484.8	2490.9	2804.7	3391.2	3056.1	2847.3	2832.1	2998.2	3647.2	3653.3
37.5°	2391.8	2391.8	2384.2	2480.2	2819.9	2739.2	2769.6	2752.9	3340.9	3356.2
40°	2324.8	2311.1	2300.4	2149.6	1960.7	2663.0	2684.3	2608.2	3158.1	3161.2
42.5°	2244.1	2228.8	2231.9	1953.1	1755.0	2474.1	2414.7	2312.6	2853.4	2856.5
45°	2096.3	2122.2	2140.5	1709.3	1694.1	1767.2	2227.3	2163.3	2647.8	2704.1
47.5°	1066.4	1089.3	1671.2	1572.2	1607.2	1570.7	1881.5	1883.0	2202.9	2390.3
50°	967.4	961.3	962.8	917.1	1483.8	1270.6	1360.4	1726.1	1764.2	2032.3
52.5°	901.9	900.4	807.4	717.5	932.4	1118.2	987.2	1249.2	1311.7	1721.5
55°	667.3	716.0	636.8	674.9	583.5	895.8	891.2	1127.4	1148.7	1380.3
57.5°	6.1	7.6	18.3	513.4	403.7	447.9	615.5	769.3	807.4	1075.6
60°	1.5	3.0	7.6	15.2	262.0	275.7	411.3	444.8	501.2	641.4
62.5°	0.0	0.0	3.0	7.6	13.7	112.7	131.0	143.2	220.9	327.5
65°	0.0	0.0	1.5	4.6	7.6	18.3	32.0	67.0	96.0	118.8
67.5°	0.0	0.0	1.5	3.0	6.1	9.1	18.3	25.9	41.1	70.1
70°	0.0	0.0	1.5	3.0	4.6	7.6	12.2	18.3	24.4	35.0
72.5°	0.0	0.0	1.5	3.0	3.0	9.1	9.1	13.7	18.3	22.9
75°	0.0	0.0	1.5	1.5	3.0	6.1	9.1	10.7	12.2	18.3
77.5°	0.0	0.0	1.5	3.0	4.6	6.1	7.6	12.2	10.7	10.7
80°	0.0	0.0	1.5	4.6	4.6	7.6	9.1	12.2	7.6	7.6
82.5°	0.0	0.0	1.5	6.1	4.6	15.2	15.2	16.8	6.1	6.1
85°	0.0	0.0	4.6	3.0	9.1	15.2	13.7	9.1	7.6	4.6
87.5°	0.0	0.0	1.5	1.5	3.0	4.6	10.7	9.1	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636918
 CATALOG NUMBER: IFLD-S-SA3C-935-U-LAM-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
4472.9	0°	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9
4445.5	2.5°	4506.4	4486.6	4527.7	4523.1	4503.3	4494.2	4483.5	4474.4	4407.4
4448.5	5°	4507.9	4477.4	4527.7	4518.6	4515.5	4500.3	4491.2	4504.9	4443.9
4460.7	7.5°	4507.9	4477.4	4532.3	4535.3	4530.8	4518.6	4517.1	4526.2	4475.9
4482.0	10°	4538.4	4526.2	4571.9	4576.5	4570.4	4567.3	4559.7	4553.6	4500.3
4555.1	12.5°	4602.4	4578.0	4629.8	4643.5	4638.9	4646.5	4628.3	4637.4	4582.6
4629.8	15°	4680.1	4681.6	4721.2	4751.7	4748.6	4773.0	4745.6	4769.9	4730.3
4715.1	17.5°	4798.9	4815.7	4872.0	4917.7	4934.5	4952.8	4934.5	4942.1	4885.7
4620.6	20°	4674.0	4736.4	5007.6	5091.4	5126.4	5143.2	5112.7	5121.9	5065.5
4504.9	22.5°	4561.2	4642.0	4882.7	5144.7	5252.9	5286.4	5275.7	5274.2	5252.9
4276.3	25°	4395.2	4558.2	4666.4	4943.6	5283.4	5344.3	5350.4	5348.9	5316.9
4136.2	27.5°	4191.0	4227.6	4507.9	4677.0	5070.1	5301.6	5292.5	5248.3	5205.7
3845.2	30°	3930.5	4096.6	4223.0	4492.7	4794.3	5170.6	5170.6	5137.1	5092.9
3741.6	32.5°	3798.0	4012.8	4130.1	4227.6	4485.1	5024.4	5085.3	5050.3	5015.2
3660.9	35°	3727.9	3759.9	4034.1	4122.5	4340.3	4742.5	4989.3	4954.3	4928.4
3446.1	37.5°	3574.0	3648.7	3776.7	4012.8	4079.8	4512.5	4861.4	4843.1	4812.6
3167.3	40°	3231.3	3430.8	3627.4	3851.3	3921.4	4216.9	4706.0	4713.6	4672.4
2870.2	42.5°	3028.6	3164.2	3472.0	3622.8	3811.7	4026.5	4555.1	4567.3	4538.4
2719.4	45°	2791.0	2941.8	3158.1	3432.4	3689.8	3764.5	4288.5	4416.5	4392.1
2419.3	47.5°	2573.1	2695.0	2960.1	3237.3	3522.2	3511.6	3982.3	4223.0	4189.5
2189.2	50°	2263.9	2477.1	2602.1	2856.5	3281.5	3310.5	3656.3	3996.0	3968.6
1860.1	52.5°	1908.9	2177.0	2416.2	2649.3	3037.8	3106.3	3353.1	3764.5	3746.2
1421.4	55°	1668.2	1863.2	2132.8	2320.2	2742.2	2925.0	3126.1	3543.6	3534.4
1168.5	57.5°	1186.8	1563.1	1785.5	2047.5	2270.0	2600.5	2749.8	3094.1	3008.8
647.5	60°	804.4	981.1	1252.3	1534.1	1683.4	2014.0	2152.6	2428.4	2405.5
387.0	62.5°	425.0	588.1	781.5	923.2	1031.4	1352.8	1410.7	1707.8	1700.2
155.4	65°	187.4	248.3	423.5	496.6	607.9	757.2	807.4	914.1	888.2
76.2	67.5°	97.5	147.8	239.2	294.0	370.2	426.6	467.7	501.2	522.5
50.3	70°	59.4	108.2	147.8	204.1	254.4	300.1	332.1	377.8	405.2
25.9	72.5°	44.2	68.6	102.1	156.9	184.3	237.7	269.7	303.2	327.5
21.3	75°	24.4	45.7	82.3	123.4	147.8	193.5	222.4	245.3	252.9
12.2	77.5°	15.2	35.0	68.6	96.0	115.8	156.9	149.3	170.6	188.9
9.1	80°	10.7	25.9	53.3	79.2	80.7	100.5	118.8	137.1	149.3
6.1	82.5°	7.6	21.3	39.6	60.9	53.3	77.7	92.9	106.6	77.7
4.6	85°	6.1	15.2	19.8	36.6	30.5	54.8	47.2	45.7	30.5
3.0	87.5°	4.6	7.6	13.7	16.8	12.2	12.2	15.2	18.3	15.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
4472.9
4361.7
4392.1
4418.0
4456.1
4533.8
4664.8
4837.0
5025.9
5184.3
5268.1
5172.1
5076.2
4986.3
4891.8
4782.1
4663.3
4535.3
4395.2
4213.9
3973.2
3758.4
3545.1
2999.7
2407.1
1701.7
877.5
522.5
406.8
332.1
248.3
192.0
150.8
56.4
30.5
15.2
0.0

(END OF REPORT)