

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: P636889

Luminaire Tested: **IFLD-S-SA3C-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636889
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9991.6 lumens
Efficiency: N/A
Efficacy: 62.1 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

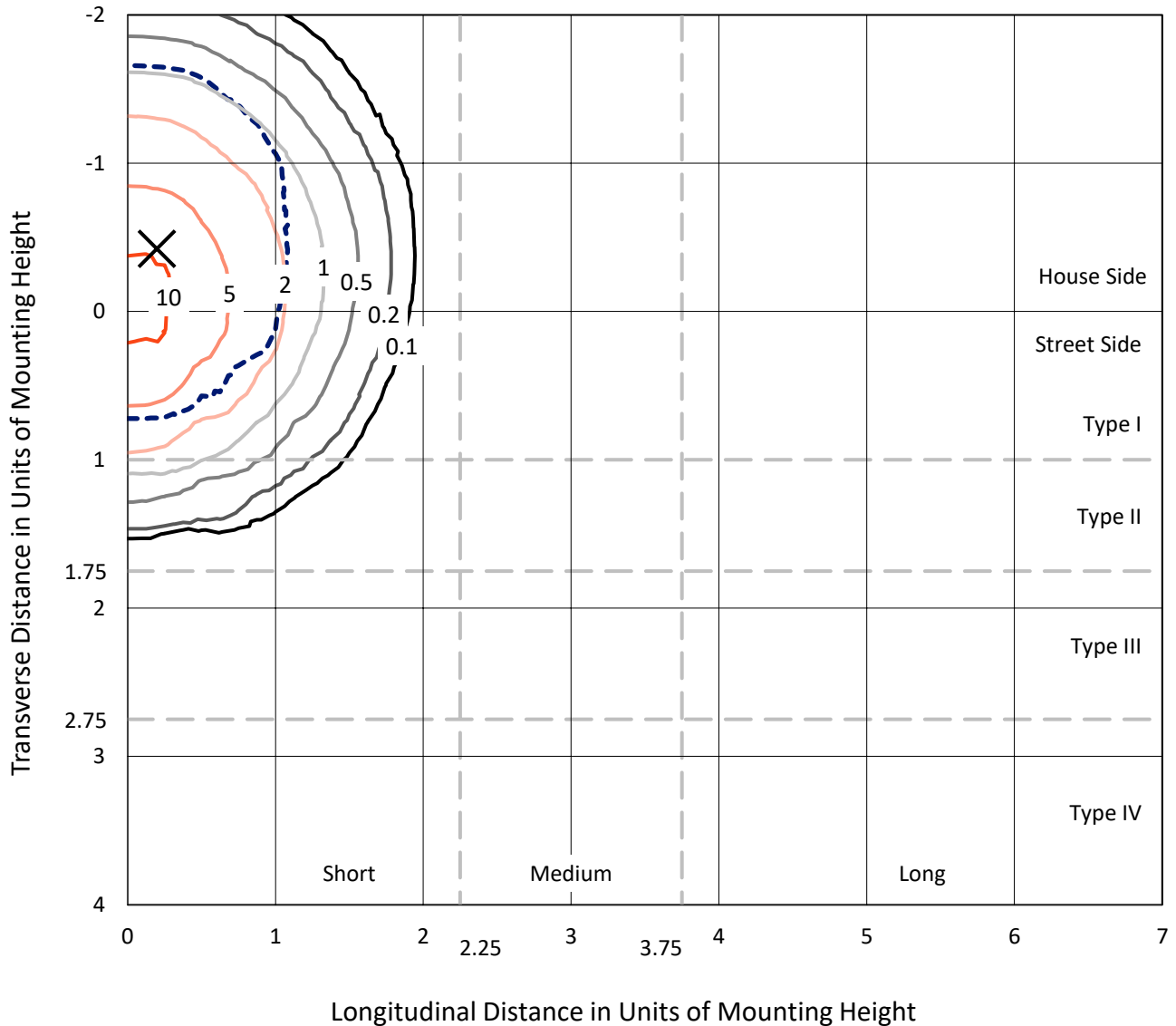
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

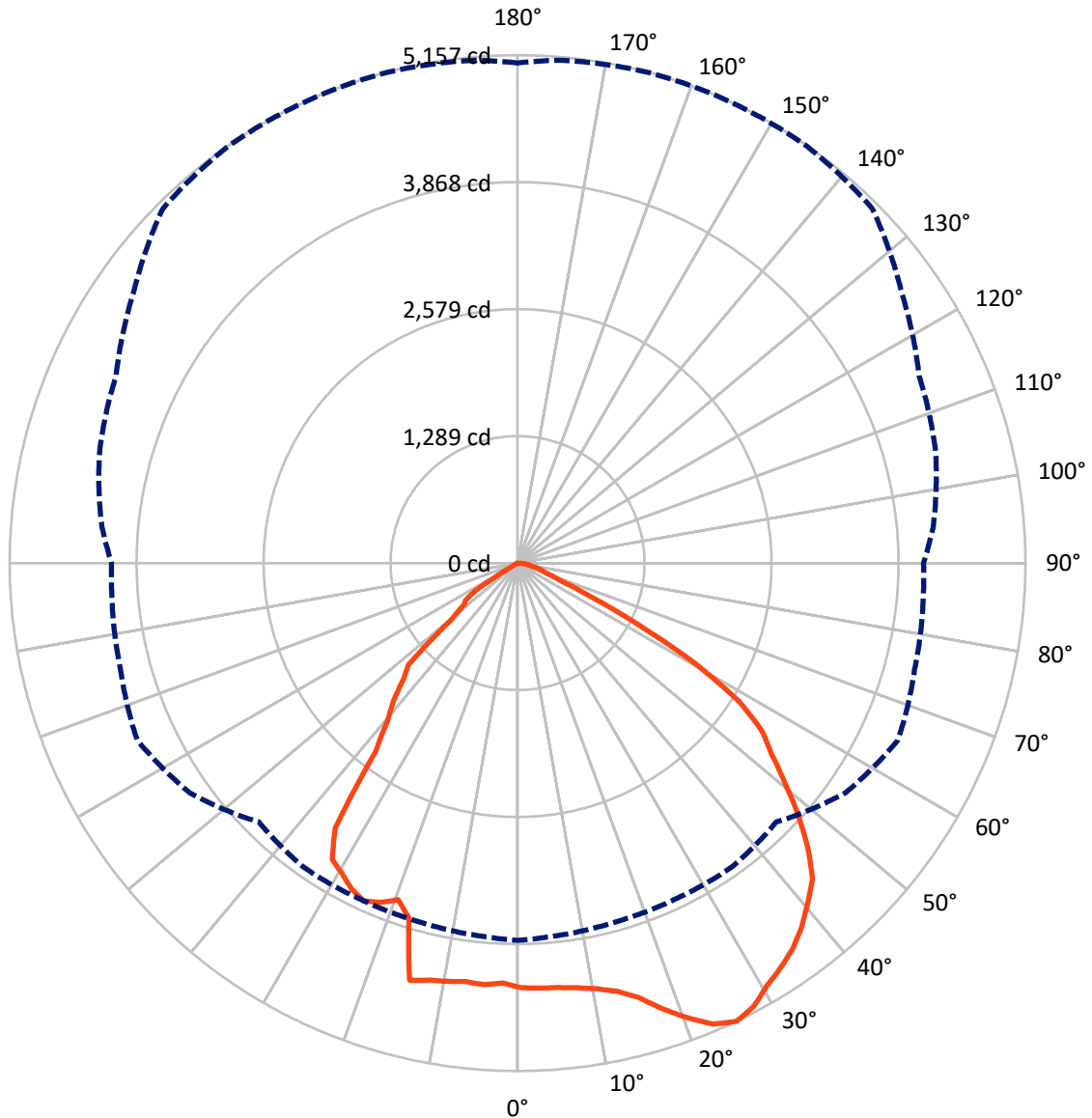
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6185.8	0.0	6185.8
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	3805.8	0.0	3805.8
	% Fixture	38.1	0.0	38.1
Total	Lumens	9991.6	0.0	9991.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.6	4.1
10°-20°	1262.9	12.6
20°-30°	1996.6	20.0
30°-40°	2255.3	22.6
40°-50°	2112.2	21.1
50°-60°	1456.2	14.6
60°-70°	391.2	3.9
70°-80°	81.5	0.8
80°-90°	22.1	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°	9991.6	100.0
0°-180°	9991.6	100.0



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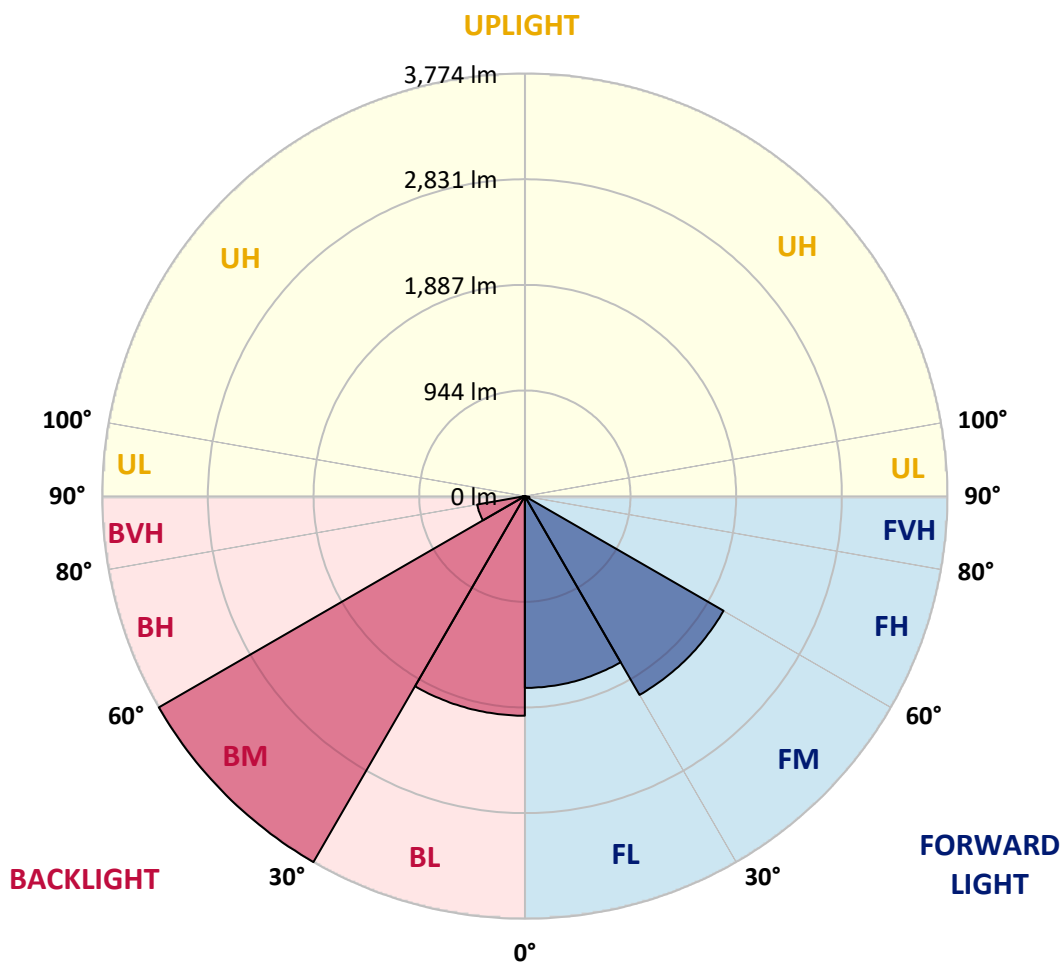
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1712.2	17.1			
FM (30°-60°)	2049.5	20.5			
FH (60°-80°)	41.1	0.4			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	1960.9	19.6	B3/2500		
BM (30°-60°)	3774.2	37.8	B3/5000		
BH (60°-80°)	431.7	4.3	B1/500		G1/500
BVH (80°-90°)	19.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2
2.5°	4330.3	4302.4	4276.0	4267.2	4303.9	4343.5	4318.5	4320.0	4311.2	4327.4
5°	4362.6	4324.4	4306.8	4293.6	4299.5	4340.6	4305.3	4318.5	4303.9	4322.9
7.5°	4350.8	4324.4	4306.8	4281.8	4300.9	4349.4	4315.6	4317.1	4309.7	4327.4
10°	4343.5	4324.4	4302.4	4305.3	4327.4	4368.5	4342.0	4356.7	4346.4	4356.7
12.5°	4361.1	4340.6	4328.8	4328.8	4347.9	4394.9	4381.7	4394.9	4390.5	4399.3
15°	4195.2	4214.3	4325.9	4375.8	4414.0	4461.0	4455.1	4468.3	4471.3	4484.5
17.5°	3538.8	3519.7	3510.9	3767.9	4450.7	4596.1	4591.7	4590.2	4575.5	4565.2
20°	3625.5	3618.1	3607.8	3626.9	3703.3	4666.6	4695.9	4515.3	4462.4	4458.0
22.5°	3763.5	3751.7	3713.6	3715.0	3738.5	4057.2	4550.6	4386.1	4368.5	4358.2
25°	3831.0	3807.5	3776.7	3767.9	3775.2	3716.5	4064.5	4259.8	4173.2	4133.5
27.5°	3712.1	3713.6	3688.6	3712.1	3684.2	3419.9	3271.6	4013.1	4010.2	3992.6
30°	3622.5	3618.1	3588.8	3618.1	3425.8	3130.6	3067.5	3742.9	3712.1	3688.6
32.5°	3347.9	3350.9	3436.0	3550.6	3234.9	3001.4	2810.5	3343.5	3635.7	3622.5
35°	2394.9	2400.8	2703.3	3268.6	2945.6	2744.4	2729.7	2889.8	3515.3	3521.2
37.5°	2305.4	2305.4	2298.0	2390.5	2718.0	2640.2	2669.5	2653.4	3220.2	3234.9
40°	2240.8	2227.6	2217.3	2071.9	1889.8	2566.8	2587.3	2513.9	3044.0	3046.9
42.5°	2162.9	2148.3	2151.2	1882.5	1691.6	2384.7	2327.4	2229.0	2750.3	2753.2
45°	2020.5	2045.5	2063.1	1647.5	1632.9	1703.3	2146.8	2085.1	2552.1	2606.4
47.5°	1027.9	1049.9	1610.8	1515.4	1549.2	1513.9	1813.5	1814.9	2123.3	2303.9
50°	932.4	926.6	928.0	884.0	1430.2	1224.6	1311.3	1663.7	1700.4	1958.8
52.5°	869.3	867.8	778.2	691.6	898.7	1077.8	951.5	1204.1	1264.3	1659.3
55°	643.2	690.1	613.8	650.5	562.4	863.4	859.0	1086.6	1107.2	1330.4
57.5°	5.9	7.3	17.6	494.8	389.1	431.7	593.2	741.5	778.2	1036.7
60°	1.5	2.9	7.3	14.7	252.6	265.8	396.5	428.8	483.1	618.2
62.5°	0.0	0.0	2.9	7.3	13.2	108.7	126.3	138.0	212.9	315.7
65°	0.0	0.0	1.5	4.4	7.3	17.6	30.8	64.6	92.5	114.5
67.5°	0.0	0.0	1.5	2.9	5.9	8.8	17.6	25.0	39.6	67.5
70°	0.0	0.0	1.5	2.9	4.4	7.3	11.7	17.6	23.5	33.8
72.5°	0.0	0.0	1.5	2.9	2.9	8.8	8.8	13.2	17.6	22.0
75°	0.0	0.0	1.5	1.5	2.9	5.9	8.8	10.3	11.7	17.6
77.5°	0.0	0.0	1.5	2.9	4.4	5.9	7.3	11.7	10.3	10.3
80°	0.0	0.0	1.5	4.4	4.4	7.3	8.8	11.7	7.3	7.3
82.5°	0.0	0.0	1.5	5.9	4.4	14.7	14.7	16.2	5.9	5.9
85°	0.0	0.0	4.4	2.9	8.8	14.7	13.2	8.8	7.3	4.4
87.5°	0.0	0.0	1.5	1.5	2.9	4.4	10.3	8.8	2.9	2.9
90°	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°
4311.2	0°	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2	4311.2
4284.8	2.5°	4343.5	4324.4	4364.1	4359.7	4340.6	4331.8	4321.5	4312.7	4248.1
4287.7	5°	4345.0	4315.6	4364.1	4355.3	4352.3	4337.6	4328.8	4342.0	4283.3
4299.5	7.5°	4345.0	4315.6	4368.5	4371.4	4367.0	4355.3	4353.8	4362.6	4314.1
4320.0	10°	4374.3	4362.6	4406.6	4411.1	4405.2	4402.2	4394.9	4389.0	4337.6
4390.5	12.5°	4436.0	4412.5	4462.4	4475.7	4471.3	4478.6	4461.0	4469.8	4416.9
4462.4	15°	4510.9	4512.4	4550.6	4579.9	4577.0	4600.5	4574.0	4597.5	4559.4
4544.7	17.5°	4625.4	4641.6	4695.9	4740.0	4756.1	4773.7	4756.1	4763.5	4709.1
4453.6	20°	4505.0	4565.2	4826.6	4907.4	4941.1	4957.3	4927.9	4936.7	4882.4
4342.0	22.5°	4396.4	4474.2	4706.2	4958.8	5063.0	5095.3	5085.0	5083.6	5063.0
4121.8	25°	4236.3	4393.4	4497.7	4764.9	5092.4	5151.1	5157.0	5155.5	5124.7
3986.7	27.5°	4039.5	4074.8	4345.0	4508.0	4886.8	5110.0	5101.2	5058.6	5017.5
3706.2	30°	3788.5	3948.5	4070.4	4330.3	4621.0	4983.7	4983.7	4951.4	4908.8
3606.4	32.5°	3660.7	3867.7	3980.8	4074.8	4322.9	4842.8	4901.5	4867.7	4834.0
3528.5	35°	3593.2	3624.0	3888.3	3973.5	4183.5	4571.1	4809.0	4775.2	4750.3
3321.5	37.5°	3444.9	3516.8	3640.1	3867.7	3932.4	4349.4	4685.6	4668.0	4638.7
3052.8	40°	3114.5	3306.8	3496.2	3712.1	3779.6	4064.5	4535.9	4543.2	4503.6
2766.5	42.5°	2919.2	3049.9	3346.5	3491.8	3673.9	3881.0	4390.5	4402.2	4374.3
2621.1	45°	2690.1	2835.5	3044.0	3308.3	3556.4	3628.4	4133.5	4256.9	4233.4
2331.8	47.5°	2480.1	2597.6	2853.1	3120.3	3394.9	3384.6	3838.4	4070.4	4038.1
2110.1	50°	2182.0	2387.6	2508.0	2753.2	3162.9	3190.8	3524.1	3851.6	3825.2
1792.9	52.5°	1839.9	2098.3	2328.9	2553.5	2928.0	2994.1	3231.9	3628.4	3610.8
1370.0	55°	1607.9	1795.8	2055.8	2236.4	2643.1	2819.3	3013.1	3415.5	3406.7
1126.3	57.5°	1143.9	1506.6	1721.0	1973.5	2187.9	2506.5	2650.4	2982.3	2900.1
624.1	60°	775.3	945.6	1207.0	1478.7	1622.6	1941.2	2074.8	2340.6	2318.6
373.0	62.5°	409.7	566.8	753.3	889.8	994.1	1303.9	1359.7	1646.1	1638.7
149.8	65°	180.6	239.3	408.2	478.7	585.9	729.8	778.2	881.0	856.1
73.4	67.5°	94.0	142.4	230.5	283.4	356.8	411.2	450.8	483.1	503.7
48.5	70°	57.3	104.3	142.4	196.8	245.2	289.3	320.1	364.2	390.6
25.0	72.5°	42.6	66.1	98.4	151.2	177.7	229.1	259.9	292.2	315.7
20.6	75°	23.5	44.1	79.3	118.9	142.4	186.5	214.4	236.4	243.8
11.7	77.5°	14.7	33.8	66.1	92.5	111.6	151.2	143.9	164.5	182.1
8.8	80°	10.3	25.0	51.4	76.4	77.8	96.9	114.5	132.2	143.9
5.9	82.5°	7.3	20.6	38.2	58.7	51.4	74.9	89.6	102.8	74.9
4.4	85°	5.9	14.7	19.1	35.2	29.4	52.9	45.5	44.1	29.4
2.9	87.5°	4.4	7.3	13.2	16.2	11.7	11.7	14.7	17.6	14.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
4311.2
4204.0
4233.4
4258.3
4295.1
4369.9
4496.2
4662.1
4844.2
4996.9
5077.7
4985.2
4892.7
4806.1
4715.0
4609.3
4494.8
4371.4
4236.3
4061.6
3829.6
3622.5
3417.0
2891.3
2320.1
1640.2
845.8
503.7
392.1
320.1
239.3
185.0
145.4
54.3
29.4
14.7
0.0

(END OF REPORT)