

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: P636599

Luminaire Tested: **IFLD-S-SA3C-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636599
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-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10793.8 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

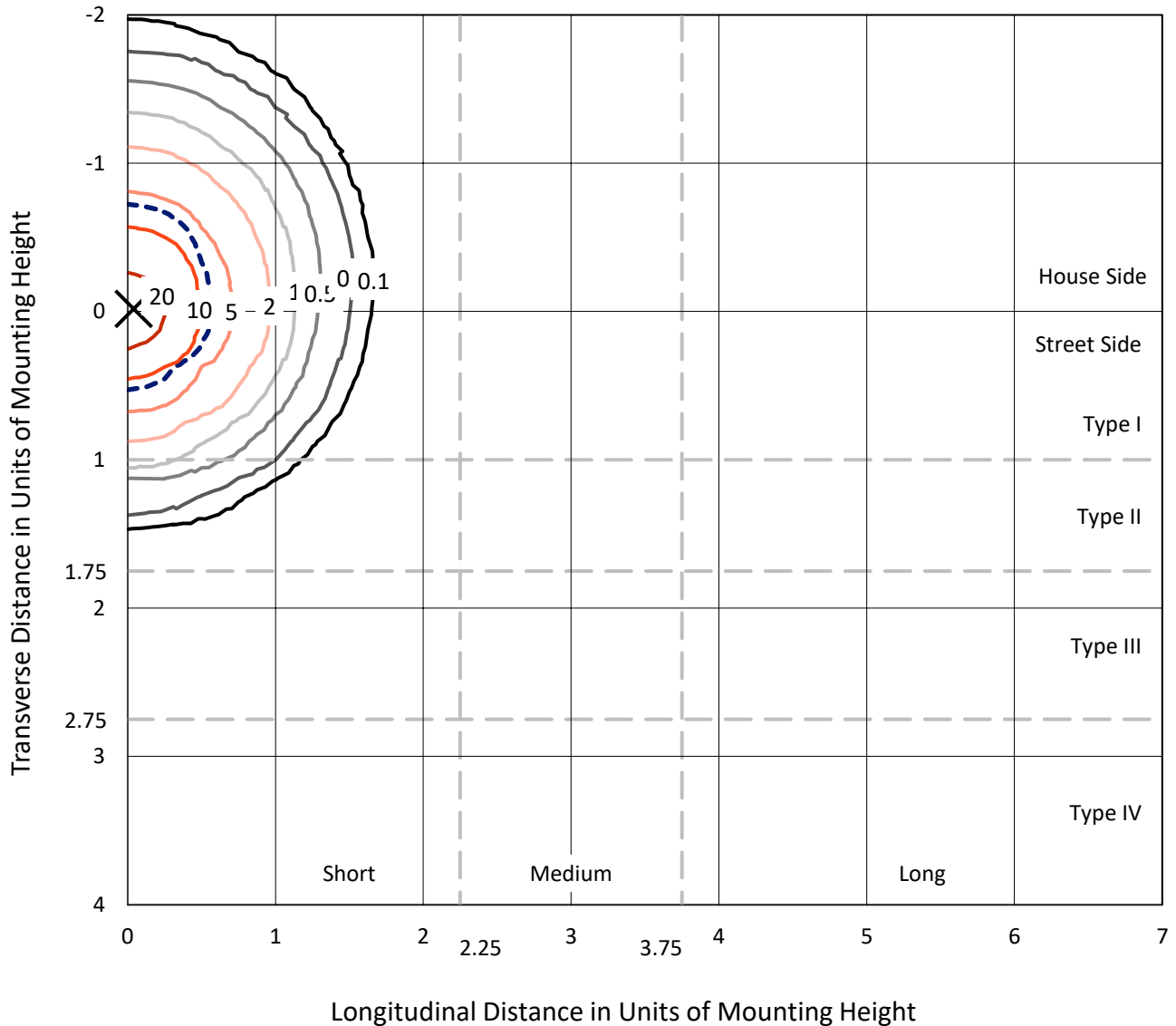
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

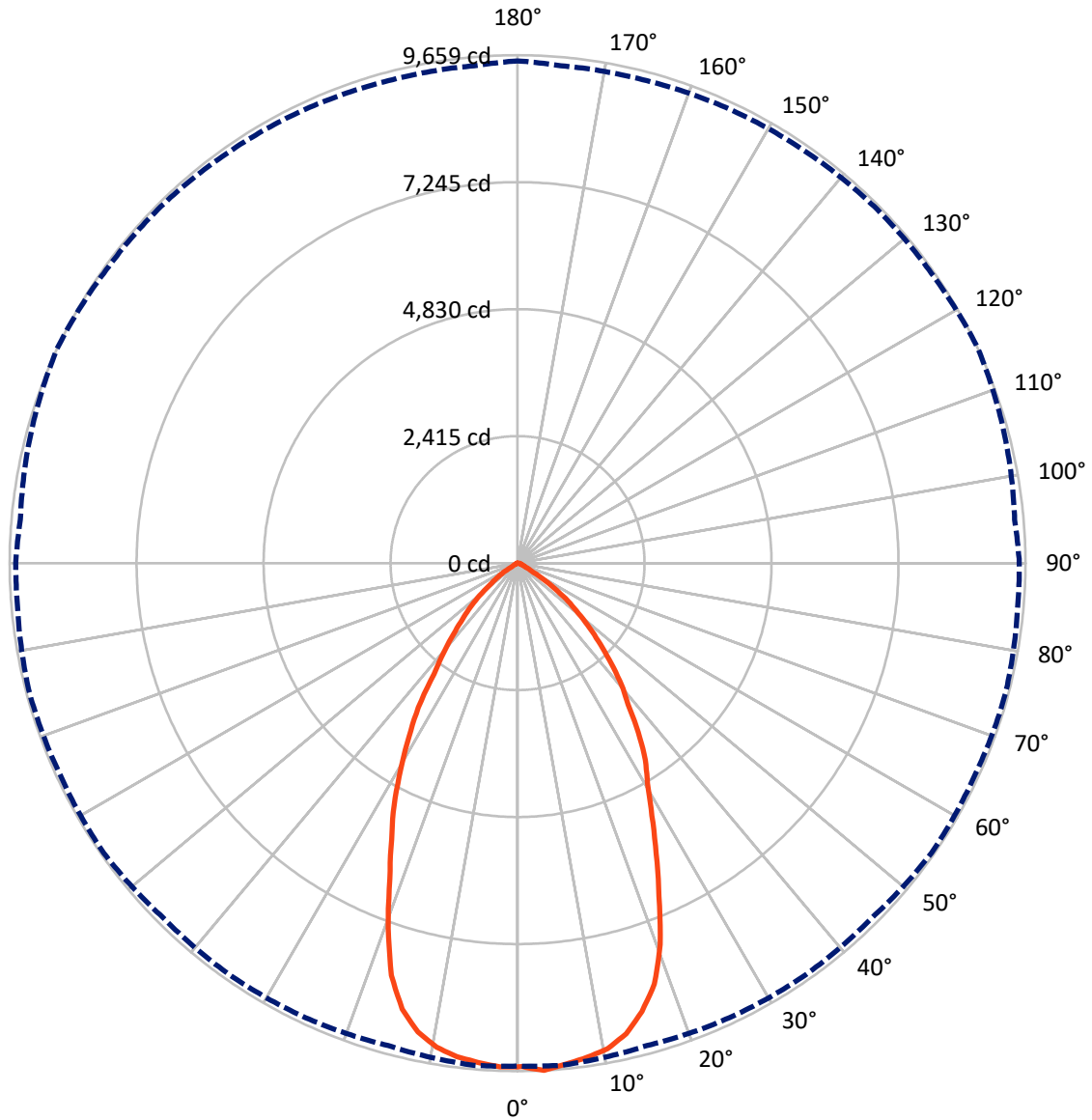
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 23.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6177.2	0.0	6177.2
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	4616.7	0.0	4616.7
	% Fixture	42.8	0.0	42.8
Total	Lumens	10793.8	0.0	10793.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	902.0	8.4
10°-20°	2391.7	22.2
20°-30°	2735.6	25.3
30°-40°	2344.3	21.7
40°-50°	1550.2	14.4
50°-60°	676.4	6.3
60°-70°	132.9	1.2
70°-80°	48.0	0.4
80°-90°	12.8	0.1
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°	10793.8	100.0
0°-180°	10793.8	100.0



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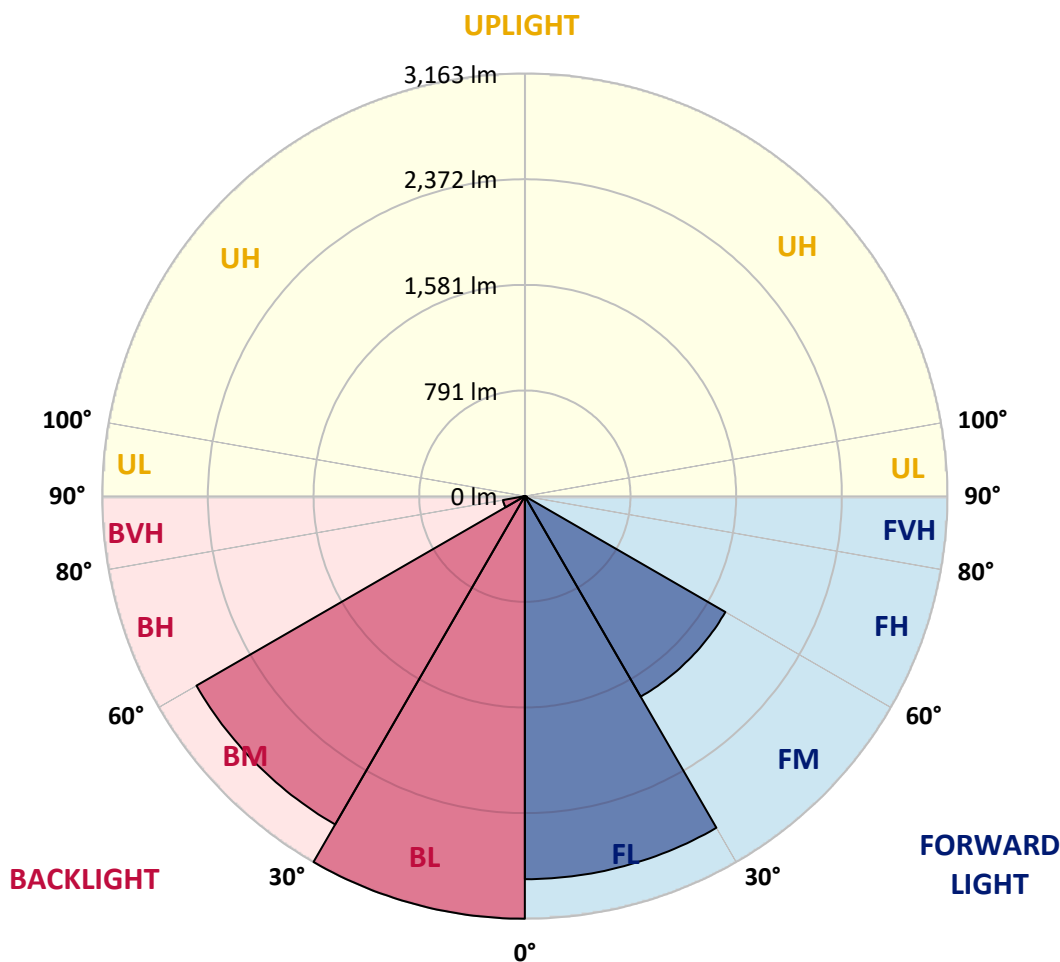
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2866.6	26.6			
FM (30°-60°)	1733.3	16.1			
FH (60°-80°)	14.7	0.1			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	3162.7	29.3	B4/5000		
BM (30°-60°)	2837.7	26.3	B3/5000		
BH (60°-80°)	166.2	1.5	B1/500		G1/500
BVH (80°-90°)	10.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8
2.5°	9563.1	9586.0	9498.8	9537.8	9553.9	9533.2	9608.9	9586.0	9604.3	9547.0
5°	9563.1	9586.0	9485.0	9503.4	9508.0	9469.0	9551.6	9524.0	9526.3	9466.7
7.5°	9503.4	9530.9	9439.2	9452.9	9455.2	9423.1	9494.2	9455.2	9441.4	9379.5
10°	9342.8	9358.8	9276.3	9310.7	9342.8	9313.0	9374.9	9331.3	9331.3	9276.3
12.5°	9088.1	9117.9	9026.2	9067.5	9095.0	9060.6	9131.7	9115.6	9117.9	9062.9
15°	8624.6	8521.4	8631.5	8714.1	8716.4	8709.5	8776.1	8760.0	8771.5	8688.9
17.5°	6371.5	6346.3	6474.8	7449.9	8174.9	8273.6	8285.1	8197.9	8158.9	8078.6
20°	5903.5	5921.8	5894.3	5898.9	6470.2	7656.4	7585.3	7369.6	7270.9	7190.6
22.5°	5561.6	5531.8	5513.4	5502.0	5518.0	6291.2	6802.9	6477.1	6424.3	6385.3
25°	5189.9	5176.2	5153.2	5148.6	5139.5	5008.7	5745.2	5775.0	5690.1	5641.9
27.5°	4843.5	4834.3	4809.1	4806.8	4701.2	4384.6	4464.9	5173.9	5150.9	5132.6
30°	4474.1	4455.7	4442.0	4442.0	4123.0	3797.2	3666.4	4510.8	4510.8	4494.7
32.5°	4072.6	4056.5	4061.1	4006.0	3625.1	3326.9	3120.4	3893.6	4134.5	4120.7
35°	2489.4	2484.8	2950.6	3563.2	3115.8	2845.1	2831.3	3331.5	3682.5	3719.2
37.5°	2216.4	2202.6	2209.5	2248.5	2668.4	2560.5	2556.0	2640.9	3134.1	3152.5
40°	1989.2	1980.1	1973.2	1833.2	1700.1	2285.2	2269.2	2214.1	2677.6	2709.7
42.5°	1773.6	1764.4	1764.4	1567.1	1351.4	1879.1	1886.0	1821.8	2257.7	2269.2
45°	1551.0	1544.1	1505.1	1250.4	1188.5	1248.2	1562.5	1489.1	1791.9	1911.2
47.5°	731.9	727.3	1053.1	1039.4	1034.8	998.1	1193.1	1234.4	1422.5	1541.8
50°	587.4	582.8	555.2	488.7	851.2	757.2	860.4	949.9	1009.5	1119.7
52.5°	486.4	481.8	424.5	376.3	472.6	552.9	513.9	635.5	633.3	752.6
55°	318.9	296.0	325.8	307.4	247.8	401.5	392.3	481.8	470.4	573.6
57.5°	6.9	6.9	16.1	174.4	156.0	169.8	224.9	275.3	309.7	339.6
60°	2.3	2.3	4.6	9.2	64.2	71.1	87.2	101.0	142.3	176.7
62.5°	0.0	0.0	2.3	4.6	9.2	36.7	41.3	48.2	66.5	91.8
65°	0.0	0.0	0.0	2.3	4.6	9.2	13.8	29.8	41.3	52.8
67.5°	0.0	0.0	0.0	2.3	2.3	4.6	9.2	13.8	18.4	36.7
70°	0.0	0.0	0.0	2.3	2.3	4.6	6.9	9.2	13.8	18.4
72.5°	0.0	0.0	0.0	2.3	2.3	6.9	4.6	6.9	9.2	11.5
75°	0.0	0.0	0.0	2.3	2.3	2.3	4.6	6.9	6.9	9.2
77.5°	0.0	0.0	0.0	2.3	4.6	4.6	4.6	4.6	4.6	6.9
80°	0.0	0.0	0.0	2.3	2.3	4.6	6.9	9.2	4.6	4.6
82.5°	0.0	0.0	0.0	4.6	2.3	9.2	13.8	11.5	4.6	2.3
85°	0.0	0.0	0.0	2.3	9.2	11.5	11.5	6.9	2.3	2.3
87.5°	0.0	0.0	0.0	2.3	2.3	4.6	6.9	6.9	2.3	2.3
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°
9576.8	0°	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8	9576.8
9542.4	2.5°	9489.6	9579.1	9659.4	9608.9	9590.6	9553.9	9526.3	9496.5	9494.2
9459.8	5°	9407.0	9491.9	9569.9	9510.3	9514.9	9496.5	9478.2	9471.3	9475.9
9374.9	7.5°	9335.9	9407.0	9491.9	9441.4	9455.2	9443.7	9434.6	9420.8	9441.4
9264.8	10°	9228.1	9292.3	9391.0	9342.8	9335.9	9324.4	9315.3	9290.0	9301.5
9065.2	12.5°	8991.7	9072.0	9184.5	9129.4	9147.8	9115.6	9101.9	9085.8	9088.1
8718.7	15°	8670.5	8732.5	8847.2	8803.6	8817.4	8796.7	8796.7	8796.7	8812.8
8090.0	17.5°	8110.7	8236.9	8418.1	8363.1	8383.7	8388.3	8383.7	8399.8	8420.4
7195.2	20°	7199.8	7415.5	7745.9	7853.7	7897.3	7899.6	7867.5	7906.5	7947.8
6357.8	22.5°	6362.4	6589.5	6880.9	7176.9	7360.4	7351.3	7355.8	7381.1	7424.7
5612.1	25°	5637.3	5855.3	6119.2	6383.0	6784.5	6867.1	6869.4	6892.4	6926.8
5102.7	27.5°	5114.2	5199.1	5440.0	5706.2	6137.5	6401.4	6387.6	6408.3	6445.0
4464.9	30°	4483.3	4809.1	4864.1	5027.0	5398.7	5882.8	5885.1	5908.1	5944.8
4088.6	32.5°	4077.1	4292.8	4462.6	4467.2	4783.8	5281.7	5380.4	5403.3	5428.5
3698.6	35°	3696.3	3721.5	3951.0	4015.2	4198.7	4692.0	4866.4	4880.2	4921.5
3145.6	37.5°	3198.4	3347.5	3411.8	3641.2	3650.4	4049.6	4396.1	4382.3	4414.4
2707.4	40°	2741.8	2884.1	3047.0	3214.5	3237.4	3535.7	3918.8	3932.6	3946.4
2246.2	42.5°	2264.6	2445.8	2613.3	2725.7	2881.8	3053.8	3418.7	3482.9	3515.0
1925.0	45°	1959.4	2009.9	2209.5	2374.7	2533.0	2613.3	2955.2	3072.2	3092.8
1523.5	47.5°	1544.1	1713.9	1849.3	1989.2	2186.6	2257.7	2505.5	2668.4	2684.4
1131.1	50°	1193.1	1314.7	1500.5	1626.7	1856.2	1895.2	2065.0	2276.0	2296.7
757.2	52.5°	853.5	1018.7	1200.0	1321.6	1541.8	1592.3	1718.5	1920.4	1934.2
580.5	55°	612.6	720.4	869.6	1044.0	1204.6	1317.0	1404.2	1596.9	1615.3
380.9	57.5°	417.6	518.5	580.5	754.9	851.2	972.8	1044.0	1190.8	1204.6
181.3	60°	199.6	247.8	296.0	383.2	445.1	548.4	594.2	653.9	670.0
110.1	62.5°	128.5	151.4	192.7	229.4	289.1	353.3	371.7	422.2	440.5
68.8	65°	84.9	107.8	151.4	160.6	220.3	270.7	293.7	330.4	351.0
41.3	67.5°	48.2	75.7	112.4	133.1	174.4	222.6	247.8	279.9	298.3
27.5	70°	32.1	61.9	89.5	110.1	137.7	179.0	211.1	238.6	250.1
13.8	72.5°	18.4	39.0	61.9	87.2	110.1	149.1	179.0	201.9	133.1
9.2	75°	11.5	29.8	52.8	73.4	91.8	119.3	144.5	142.3	59.7
6.9	77.5°	9.2	22.9	45.9	61.9	75.7	82.6	103.2	117.0	45.9
4.6	80°	6.9	18.4	41.3	52.8	29.8	59.7	80.3	87.2	32.1
4.6	82.5°	4.6	11.5	34.4	36.7	20.6	43.6	64.2	57.4	22.9
2.3	85°	2.3	6.9	11.5	20.6	18.4	20.6	16.1	22.9	16.1
2.3	87.5°	2.3	4.6	9.2	9.2	9.2	6.9	9.2	9.2	9.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
9576.8
9549.3
9533.2
9498.8
9356.6
9154.6
8819.7
8489.3
7975.3
7431.6
6986.4
6479.4
6009.0
5485.9
4965.1
4453.4
3990.0
3560.9
3143.3
2723.5
2326.5
1959.4
1631.3
1232.1
688.3
445.1
351.0
296.0
247.8
107.8
59.7
45.9
34.4
22.9
16.1
9.2
0.0

(END OF REPORT)