

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: P637787

Luminaire Tested: **IFLD-S-SA3B-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637787
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10568.7 lumens
Efficiency: N/A
Efficacy: 86.3 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

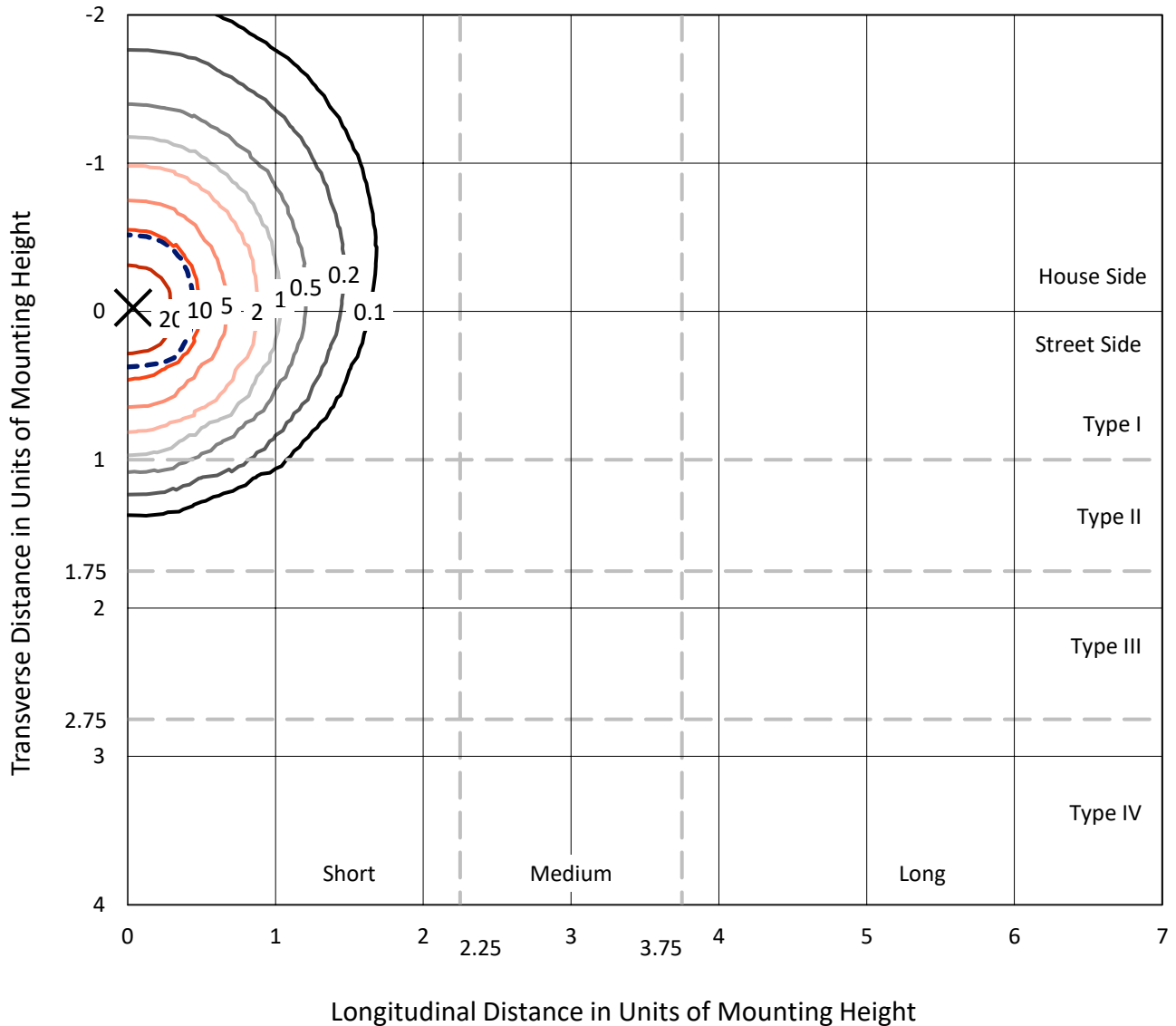
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637787
 CATALOG NUMBER: IFLD-S-SA3B-722-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

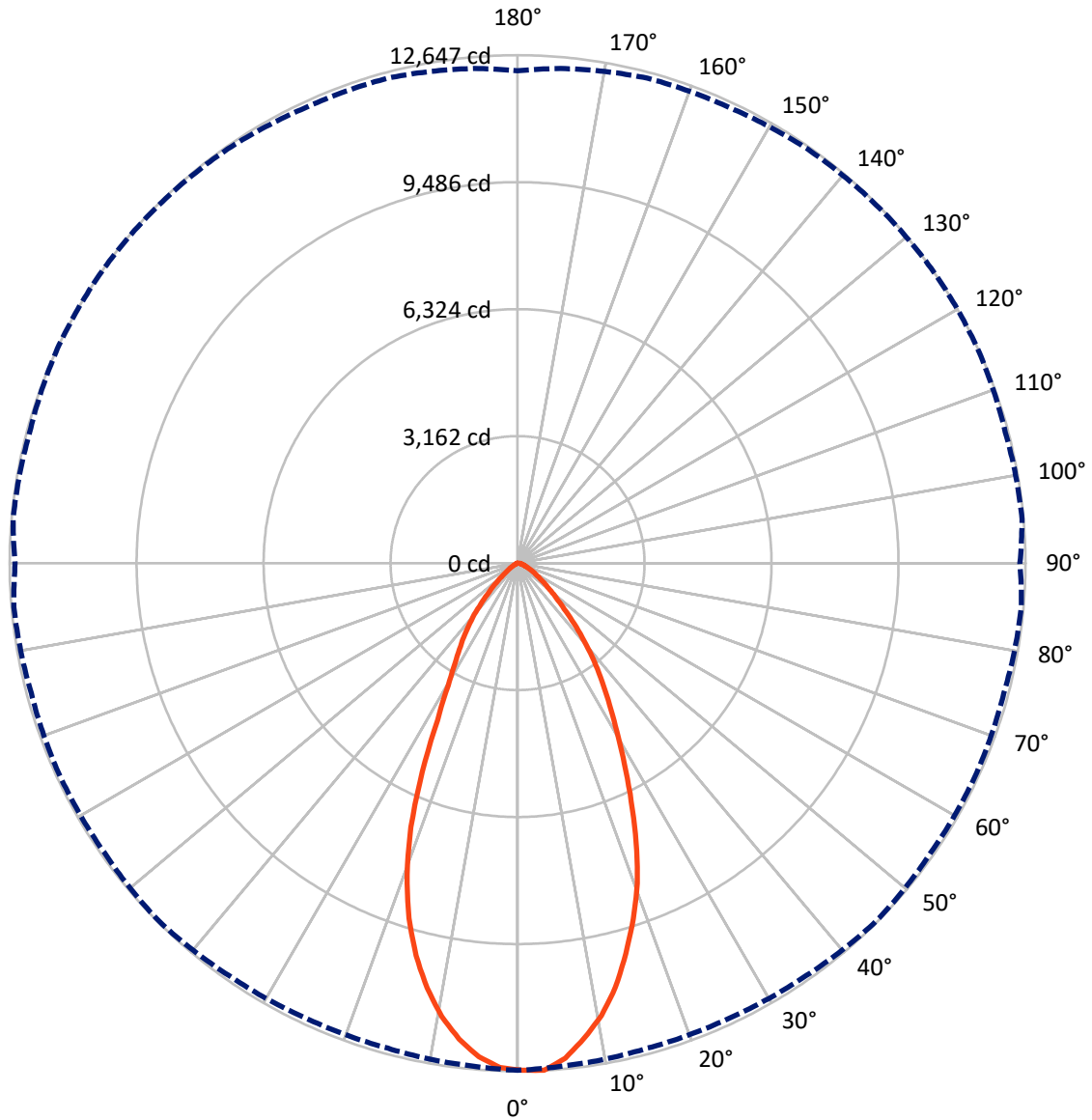
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 31.6 fc
 Type I - Short - N/A

REPORT NUMBER: P637787
CATALOG NUMBER: IFLD-S-SA3B-722-U-66-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P637787

CATALOG NUMBER: IFLD-S-SA3B-722-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5997.1	0.0	5997.1
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	4571.6	0.0	4571.6
	% Fixture	43.3	0.0	43.3
Total	Lumens	10568.7	0.0	10568.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1146.6	10.8
10°-20°	2733.2	25.9
20°-30°	2783.7	26.3
30°-40°	2075.8	19.6
40°-50°	1084.5	10.3
50°-60°	456.1	4.3
60°-70°	186.3	1.8
70°-80°	78.4	0.7
80°-90°	24.2	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°	10568.7	100.0
0°-180°	10568.7	100.0



REPORT NUMBER: P637787

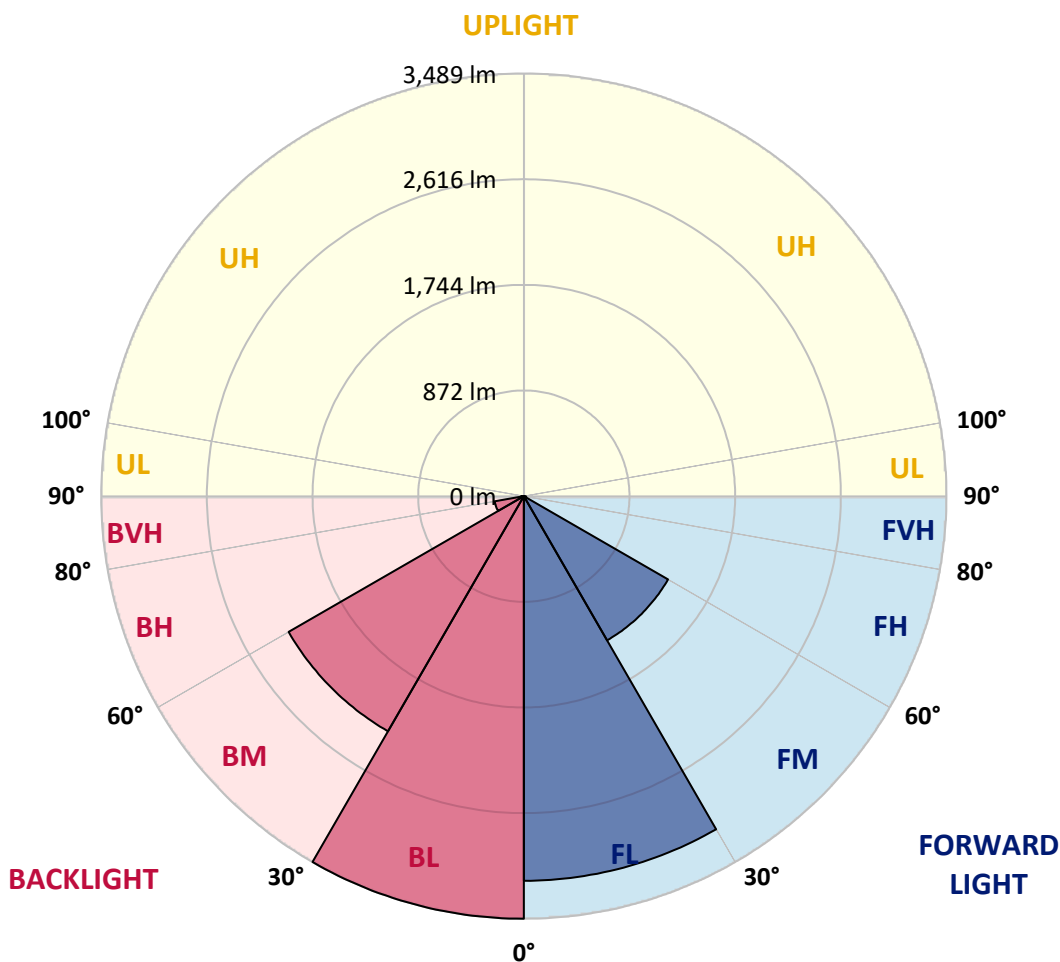
CATALOG NUMBER: IFLD-S-SA3B-722-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3175.0	30.0			
FM (30°-60°)	1374.5	13.0			
FH (60°-80°)	19.9	0.2			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	3488.5	33.0	B4/5000		
BM (30°-60°)	2241.9	21.2	B2/2500		
BH (60°-80°)	244.8	2.3	B1/500		G1/500
BVH (80°-90°)	21.9	0.2			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





REPORT NUMBER: P637787
 CATALOG NUMBER: IFLD-S-SA3B-722-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1
2.5°	12628.4	12576.8	12503.5	12496.7	12534.8	12617.6	12564.6	12567.3	12534.8	12590.4
5°	12430.2	12381.3	12331.1	12264.6	12320.3	12355.5	12328.4	12298.5	12256.4	12310.7
7.5°	12055.5	12028.4	11953.7	11923.8	11957.8	11997.1	11938.8	11930.6	11872.2	11942.8
10°	11482.6	11471.7	11398.4	11380.8	11410.7	11470.4	11444.6	11439.2	11402.5	11395.7
12.5°	10888.0	10845.9	10754.9	10749.5	10794.3	10883.9	10814.7	10748.1	10768.5	10786.2
15°	9356.6	9311.8	9537.2	9891.5	10077.5	10070.7	10091.1	10011.0	9986.5	9994.7
17.5°	7438.3	7362.3	7443.7	7992.2	8876.0	9389.2	9248.0	9075.6	8983.3	8922.2
20°	6420.1	6424.2	6409.2	6550.4	7101.6	8271.9	8237.9	7905.3	7784.5	7734.3
22.5°	5801.0	5778.0	5745.4	5790.2	5938.2	6625.1	7085.3	6779.9	6737.8	6682.1
25°	5194.2	5194.2	5154.8	5199.6	5241.7	5251.2	5712.8	5837.7	5756.2	5756.2
27.5°	4668.8	4641.6	4624.0	4644.4	4588.7	4321.3	4379.6	5019.1	4963.4	4929.5
30°	4147.5	4139.3	4109.5	4136.6	3930.3	3628.9	3506.7	4235.7	4294.1	4281.9
32.5°	3423.9	3456.5	3589.5	3631.6	3278.6	3035.6	2918.8	3516.2	3749.7	3740.2
35°	2326.9	2354.1	2506.1	3008.4	2717.9	2544.1	2510.2	2796.7	3180.9	3217.5
37.5°	1853.1	1849.1	1892.5	1982.1	2184.4	2142.3	2132.8	2207.5	2594.4	2610.7
40°	1527.3	1521.9	1520.5	1447.2	1397.0	1781.2	1755.4	1710.6	2045.9	2078.5
42.5°	1231.3	1236.8	1240.8	1080.7	1007.3	1373.9	1359.0	1312.8	1604.7	1642.7
45°	966.6	965.3	973.4	805.1	784.7	878.4	1015.5	978.8	1211.0	1251.7
47.5°	501.0	518.6	628.6	623.1	632.6	623.1	768.4	758.9	911.0	976.1
50°	336.7	342.1	351.6	353.0	498.2	458.9	521.3	590.6	638.1	738.5
52.5°	260.7	264.7	240.3	225.4	305.5	339.4	342.1	408.6	445.3	547.1
55°	145.3	162.9	175.1	176.5	168.3	251.2	249.8	302.7	331.3	399.1
57.5°	19.0	23.1	35.3	114.0	112.7	139.8	175.1	219.9	236.2	291.9
60°	1.4	2.7	4.1	17.6	74.7	81.5	119.5	137.1	164.3	205.0
62.5°	0.0	0.0	1.4	4.1	14.9	47.5	62.4	72.0	96.4	134.4
65°	0.0	0.0	1.4	2.7	5.4	17.6	24.4	39.4	57.0	82.8
67.5°	0.0	0.0	1.4	2.7	4.1	6.8	10.9	17.6	29.9	50.2
70°	0.0	0.0	1.4	2.7	4.1	5.4	8.1	10.9	16.3	27.2
72.5°	0.0	0.0	1.4	1.4	2.7	6.8	6.8	8.1	10.9	14.9
75°	0.0	0.0	1.4	2.7	4.1	6.8	6.8	6.8	8.1	9.5
77.5°	0.0	0.0	1.4	2.7	4.1	6.8	5.4	6.8	6.8	6.8
80°	0.0	0.0	1.4	2.7	4.1	6.8	8.1	6.8	5.4	5.4
82.5°	0.0	0.0	1.4	4.1	4.1	9.5	9.5	9.5	4.1	4.1
85°	0.0	0.0	2.7	4.1	6.8	10.9	10.9	8.1	4.1	2.7
87.5°	0.0	0.0	1.4	2.7	2.7	5.4	8.1	6.8	2.7	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637787
 CATALOG NUMBER: IFLD-S-SA3B-722-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
12627.1	0°	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1	12627.1
12509.0	2.5°	12609.4	12575.5	12639.3	12647.4	12620.3	12586.3	12507.6	12500.8	12363.7
12232.0	5°	12370.5	12314.8	12355.5	12382.7	12373.2	12336.5	12304.0	12274.1	12150.6
11782.6	7.5°	11925.2	11904.8	11923.8	11944.2	11983.6	11944.2	11930.6	11899.4	11777.2
11340.1	10°	11431.0	11393.0	11465.0	11455.5	11444.6	11433.7	11376.7	11382.1	11238.2
10737.3	12.5°	10824.2	10760.4	10829.6	10837.7	10829.6	10791.6	10727.8	10754.9	10623.2
9922.7	15°	10008.3	10001.5	10051.7	10084.3	10107.4	10066.6	10044.9	10058.5	9979.7
8874.7	17.5°	9006.3	9094.6	9258.9	9314.5	9315.9	9358.0	9345.7	9329.5	9271.1
7713.9	20°	7827.9	7997.6	8250.2	8509.5	8584.1	8548.8	8532.5	8562.4	8475.5
6623.7	22.5°	6740.5	6885.8	7179.0	7557.8	7776.4	7798.1	7794.0	7768.2	7734.3
5750.8	25°	5817.3	5946.3	6227.3	6573.5	6993.0	7055.5	7058.2	7050.0	7020.2
4959.3	27.5°	5038.1	5194.2	5349.0	5658.5	6105.1	6363.1	6330.5	6321.0	6310.1
4291.4	30°	4332.1	4529.0	4674.2	4867.0	5267.5	5616.4	5650.3	5634.1	5608.3
3738.8	32.5°	3772.8	3889.5	4074.2	4204.5	4492.3	4887.4	5017.7	5005.5	4982.4
3240.6	35°	3286.8	3332.9	3478.2	3623.4	3814.9	4197.7	4390.5	4363.3	4359.3
2640.5	37.5°	2707.1	2861.8	2941.9	3088.5	3223.0	3520.3	3786.4	3774.1	3775.5
2123.3	40°	2185.7	2275.3	2434.2	2557.7	2681.3	2898.5	3194.4	3202.6	3199.9
1644.1	42.5°	1678.0	1764.9	1931.9	2066.3	2176.2	2310.6	2593.0	2602.5	2614.7
1280.2	45°	1310.1	1365.7	1487.9	1627.8	1744.5	1826.0	2040.5	2101.6	2102.9
992.4	47.5°	1016.8	1080.7	1167.5	1301.9	1416.0	1474.4	1630.5	1713.3	1709.2
761.6	50°	798.3	856.6	927.2	1033.1	1156.7	1202.8	1318.2	1399.7	1395.6
574.3	52.5°	610.9	685.6	748.0	829.5	950.3	989.7	1072.5	1166.2	1152.6
420.9	55°	462.9	539.0	597.3	665.2	775.2	825.4	882.4	957.1	959.8
325.8	57.5°	348.9	427.6	480.6	549.8	632.6	688.3	731.7	811.8	810.5
222.6	60°	249.8	317.7	381.5	453.4	517.2	581.1	610.9	686.9	689.7
157.5	62.5°	180.6	244.4	305.5	367.9	424.9	487.4	514.5	574.3	582.4
103.2	65°	126.3	171.1	241.7	289.2	353.0	399.1	434.4	486.0	495.5
61.1	67.5°	81.5	123.5	191.4	233.5	291.9	331.3	367.9	408.6	420.9
39.4	70°	48.9	93.7	142.5	187.3	240.3	275.6	310.9	346.2	353.0
19.0	72.5°	31.2	65.2	103.2	152.1	192.8	230.8	262.0	287.8	267.4
12.2	75°	17.6	44.8	81.5	119.5	156.1	192.8	218.6	232.2	186.0
8.1	77.5°	10.9	32.6	66.5	96.4	120.8	154.8	171.1	179.2	133.0
5.4	80°	6.8	24.4	55.7	78.7	78.7	114.0	133.0	139.8	96.4
4.1	82.5°	5.4	17.6	43.4	59.7	52.9	85.5	104.5	105.9	67.9
2.7	85°	4.1	13.6	27.2	39.4	36.7	59.7	61.1	67.9	44.8
2.7	87.5°	2.7	8.1	16.3	23.1	20.4	28.5	32.6	36.7	24.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
12627.1
12256.4
12051.4
11751.4
11189.4
10585.2
9884.7
9184.2
8413.1
7669.1
6919.7
6246.3
5575.7
4921.3
4314.5
3732.1
3152.4
2574.0
2067.6
1694.3
1395.6
1154.0
959.8
807.8
682.9
579.7
492.8
419.5
347.5
248.4
176.5
124.9
89.6
62.4
40.7
21.7
0.0

(END OF REPORT)