

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: P638316

Luminaire Tested: **IFLD-S-SA6D-722-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638316
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24822.4 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

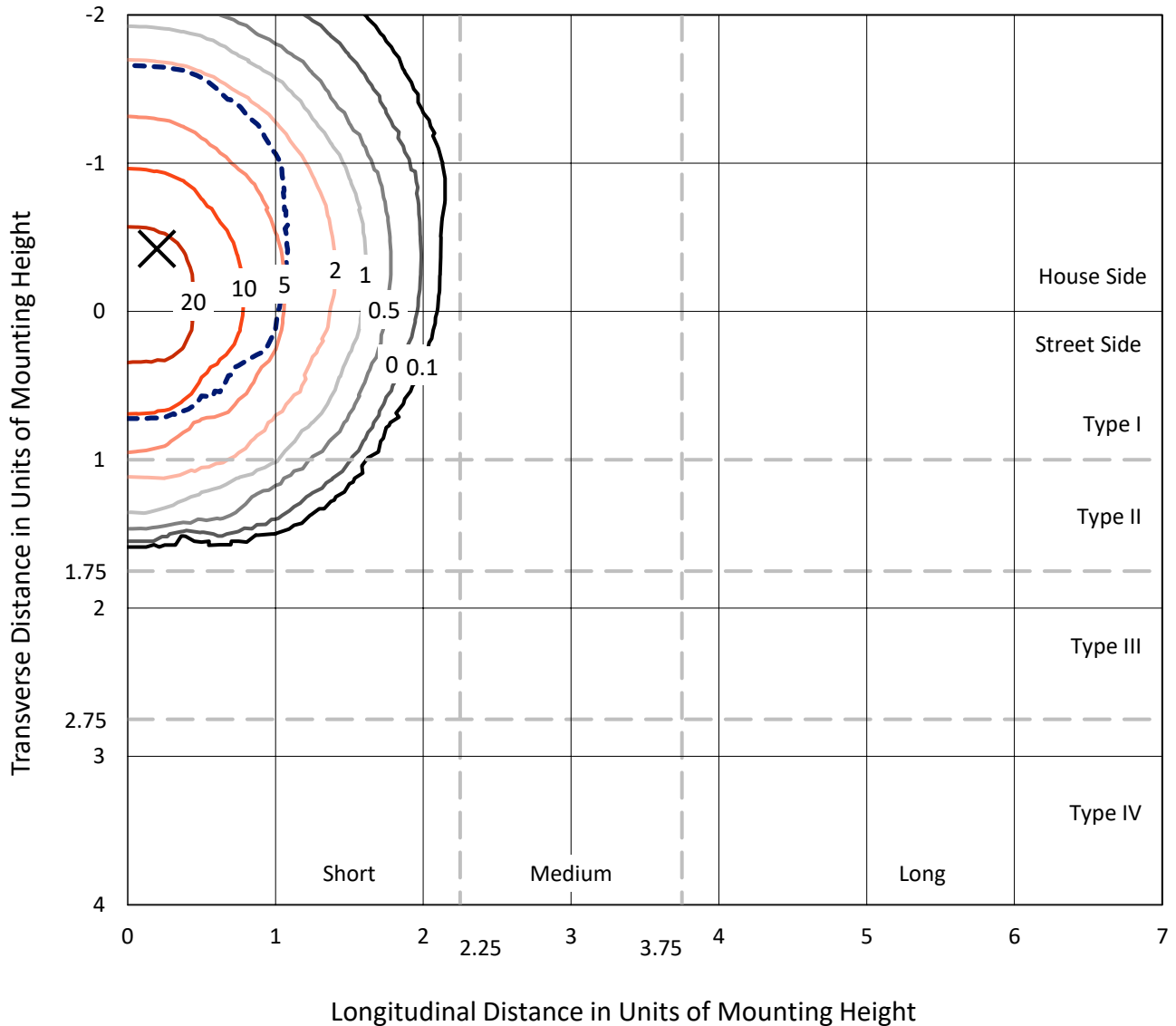
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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 CATALOG NUMBER: IFLD-S-SA6D-722-U-LAM-VI

Iso-Footcandle Lines of Horizontal Illumination

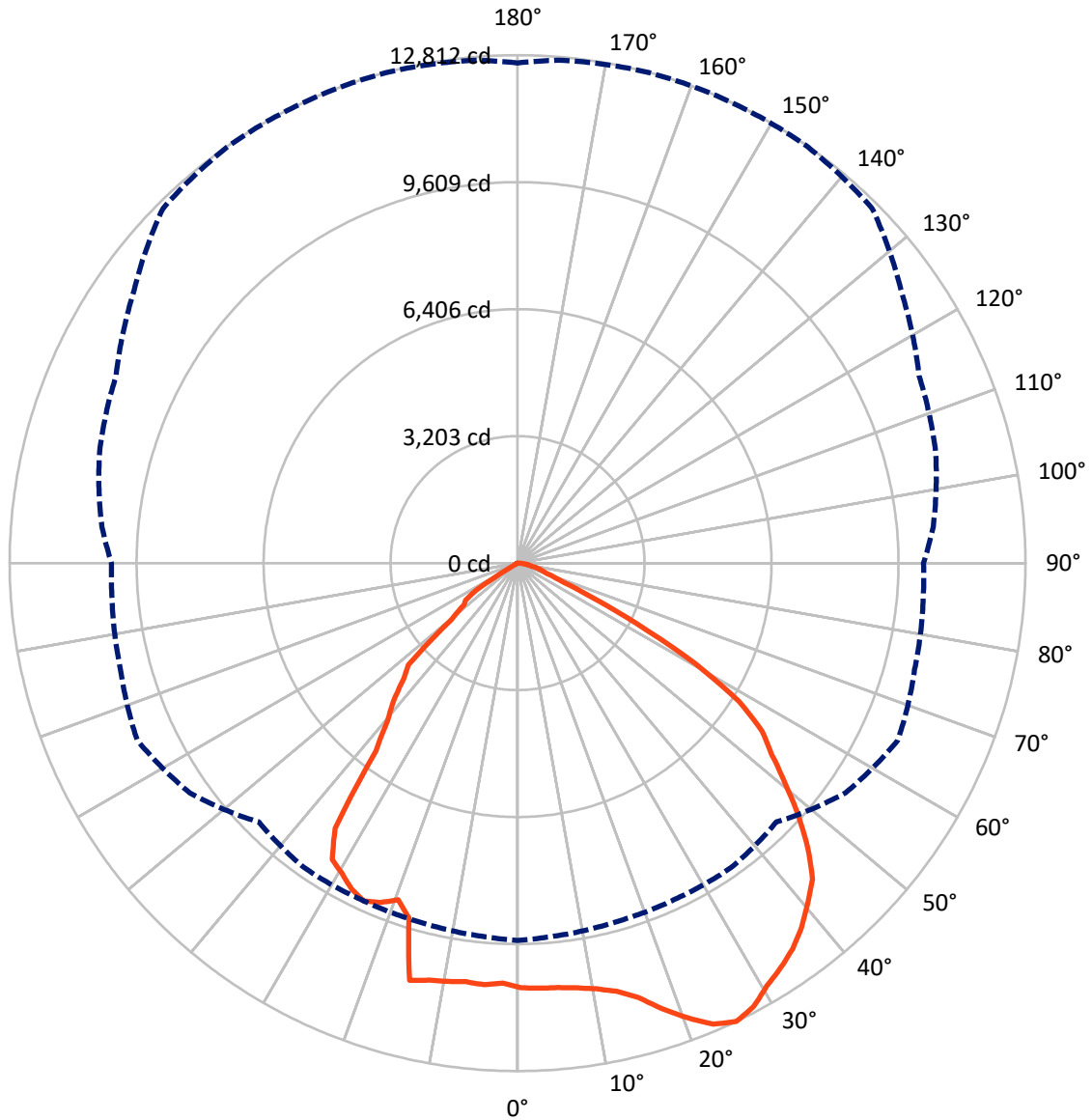
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 26.8 fc
 Type I - Short - N/A

REPORT NUMBER: P638316
CATALOG NUMBER: IFLD-S-SA6D-722-U-LAM-VI

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	15367.6	0.0	15367.6
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	9454.8	0.0	9454.8
	% Fixture	38.1	0.0	38.1
Total	Lumens	24822.4	0.0	24822.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.5	4.1
10°-20°	3137.5	12.6
20°-30°	4960.2	20.0
30°-40°	5603.0	22.6
40°-50°	5247.3	21.1
50°-60°	3617.6	14.6
60°-70°	971.9	3.9
70°-80°	202.5	0.8
80°-90°	54.8	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°	24822.4	100.0
0°-180°	24822.4	100.0



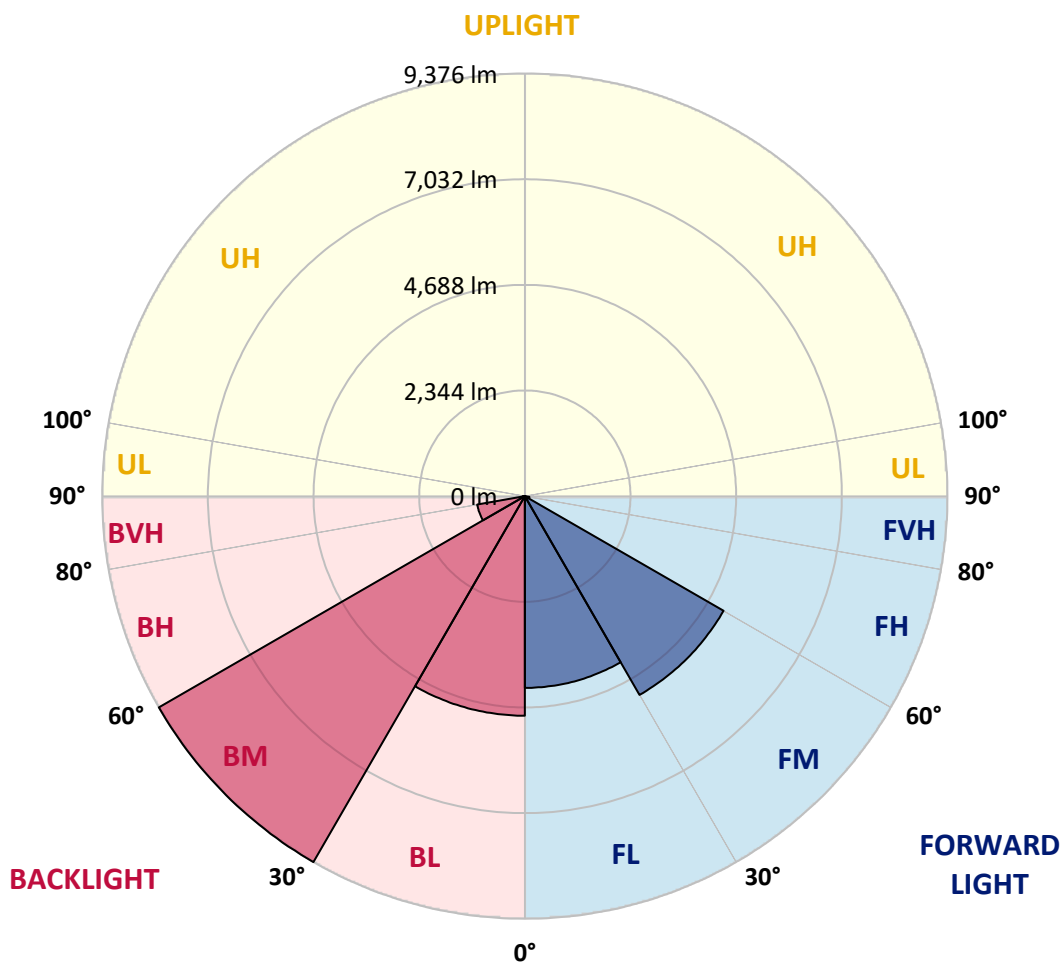
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4253.8	17.1			
FM (30°-60°)	5091.6	20.5			
FH (60°-80°)	102.0	0.4			G0/660
FVH (80°-90°)	7.3	0.0			G0/10
BL (0°-30°)	4871.4	19.6	B4/5000		
BM (30°-60°)	9376.3	37.8	B5		
BH (60°-80°)	1072.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	47.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type I Short





REPORT NUMBER: P638316
 CATALOG NUMBER: IFLD-S-SA6D-722-U-LAM-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4
2.5°	10757.9	10688.6	10622.9	10601.0	10692.2	10790.7	10728.7	10732.3	10710.4	10750.6
5°	10838.1	10743.3	10699.5	10666.7	10681.3	10783.4	10695.8	10728.7	10692.2	10739.6
7.5°	10808.9	10743.3	10699.5	10637.5	10684.9	10805.3	10721.4	10725.0	10706.8	10750.6
10°	10790.7	10743.3	10688.6	10695.8	10750.6	10852.7	10787.0	10823.5	10798.0	10823.5
12.5°	10834.5	10783.4	10754.2	10754.2	10801.6	10918.4	10885.5	10918.4	10907.4	10929.3
15°	10422.3	10469.7	10746.9	10871.0	10965.8	11082.5	11067.9	11100.8	11108.1	11140.9
17.5°	8791.6	8744.2	8722.3	9360.7	11057.0	11418.1	11407.2	11403.6	11367.1	11341.5
20°	9006.8	8988.6	8963.1	9010.5	9200.2	11593.2	11666.2	11217.5	11086.2	11075.2
22.5°	9349.7	9320.6	9225.7	9229.4	9287.7	10079.3	11305.1	10896.5	10852.7	10827.2
25°	9517.6	9459.2	9382.6	9360.7	9378.9	9233.0	10097.6	10582.8	10367.5	10269.0
27.5°	9222.1	9225.7	9163.7	9222.1	9152.8	8496.1	8127.7	9969.9	9962.6	9918.8
30°	8999.5	8988.6	8915.6	8988.6	8510.7	7777.5	7620.6	9298.7	9222.1	9163.7
32.5°	8317.4	8324.7	8536.3	8820.8	8036.5	7456.5	6982.2	8306.4	9032.4	8999.5
35°	5949.8	5964.4	6715.9	8120.4	7317.8	6818.1	6781.6	7179.2	8733.2	8747.8
37.5°	5727.3	5727.3	5709.1	5938.9	6752.4	6559.1	6632.0	6591.9	8000.0	8036.5
40°	5566.8	5534.0	5508.4	5147.3	4694.9	6376.7	6427.7	6245.3	7562.2	7569.5
42.5°	5373.5	5337.0	5344.3	4676.7	4202.5	5924.3	5782.0	5537.6	6832.6	6839.9
45°	5019.6	5081.6	5125.4	4093.0	4056.5	4231.6	5333.3	5180.1	6340.2	6475.1
47.5°	2553.6	2608.3	4001.8	3764.7	3848.6	3761.1	4505.2	4508.9	5275.0	5723.7
50°	2316.5	2301.9	2305.5	2196.1	3553.1	3042.4	3257.6	4133.2	4224.3	4866.4
52.5°	2159.6	2156.0	1933.4	1718.2	2232.6	2677.6	2363.9	2991.3	3140.9	4122.2
55°	1597.8	1714.5	1524.9	1616.1	1397.2	2145.0	2134.1	2699.5	2750.6	3305.1
57.5°	14.6	18.2	43.8	1229.4	966.7	1072.5	1473.8	1842.2	1933.4	2575.5
60°	3.6	7.3	18.2	36.5	627.5	660.3	985.0	1065.2	1200.2	1535.8
62.5°	0.0	0.0	7.3	18.2	32.8	269.9	313.7	342.9	529.0	784.3
65°	0.0	0.0	3.6	10.9	18.2	43.8	76.6	160.5	229.8	284.5
67.5°	0.0	0.0	3.6	7.3	14.6	21.9	43.8	62.0	98.5	167.8
70°	0.0	0.0	3.6	7.3	10.9	18.2	29.2	43.8	58.4	83.9
72.5°	0.0	0.0	3.6	7.3	7.3	21.9	21.9	32.8	43.8	54.7
75°	0.0	0.0	3.6	3.6	7.3	14.6	21.9	25.5	29.2	43.8
77.5°	0.0	0.0	3.6	7.3	10.9	14.6	18.2	29.2	25.5	25.5
80°	0.0	0.0	3.6	10.9	10.9	18.2	21.9	29.2	18.2	18.2
82.5°	0.0	0.0	3.6	14.6	10.9	36.5	36.5	40.1	14.6	14.6
85°	0.0	0.0	10.9	7.3	21.9	36.5	32.8	21.9	18.2	10.9
87.5°	0.0	0.0	3.6	3.6	7.3	10.9	25.5	21.9	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P638316

CATALOG NUMBER: IFLD-S-SA6D-722-U-LAM-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
10710.4	0°	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4	10710.4
10644.8	2.5°	10790.7	10743.3	10841.8	10830.8	10783.4	10761.5	10736.0	10714.1	10553.6
10652.1	5°	10794.3	10721.4	10841.8	10819.9	10812.6	10776.1	10754.2	10787.0	10641.1
10681.3	7.5°	10794.3	10721.4	10852.7	10860.0	10849.1	10819.9	10816.2	10838.1	10717.7
10732.3	10°	10867.3	10838.1	10947.6	10958.5	10943.9	10936.6	10918.4	10903.8	10776.1
10907.4	12.5°	11020.5	10962.2	11086.2	11119.0	11108.1	11126.3	11082.5	11104.4	10973.1
11086.2	15°	11206.6	11210.2	11305.1	11378.0	11370.7	11429.1	11363.4	11421.8	11326.9
11290.5	17.5°	11491.1	11531.2	11666.2	11775.6	11815.8	11859.6	11815.8	11834.0	11699.0
11064.3	20°	11192.0	11341.5	11990.9	12191.5	12275.4	12315.5	12242.6	12264.5	12129.5
10787.0	22.5°	10922.0	11115.4	11691.7	12319.2	12578.2	12658.5	12632.9	12629.3	12578.2
10239.9	25°	10524.4	10914.7	11173.7	11837.7	12651.2	12797.1	12811.7	12808.0	12731.4
9904.2	27.5°	10035.6	10123.1	10794.3	11199.3	12140.4	12694.9	12673.0	12567.3	12465.1
9207.5	30°	9411.8	9809.4	10112.2	10757.9	11480.2	12381.2	12381.2	12301.0	12195.2
8959.4	32.5°	9094.4	9608.8	9889.6	10123.1	10739.6	12031.0	12176.9	12093.0	12009.1
8766.1	35°	8926.6	9003.2	9659.8	9871.4	10393.1	11356.1	11947.1	11863.2	11801.2
8251.7	37.5°	8558.1	8736.9	9043.3	9608.8	9769.3	10805.3	11640.7	11596.9	11523.9
7584.1	40°	7737.3	8215.2	8685.8	9222.1	9389.9	10097.6	11268.6	11286.8	11188.3
6872.8	42.5°	7252.2	7576.8	8313.7	8674.9	9127.2	9641.6	10907.4	10936.6	10867.3
6511.6	45°	6683.1	7044.2	7562.2	8218.9	8835.4	9014.1	10269.0	10575.5	10517.1
5793.0	47.5°	6161.4	6453.3	7088.0	7751.9	8434.1	8408.6	9535.8	10112.2	10031.9
5242.1	50°	5420.9	5931.6	6230.7	6839.9	7857.7	7927.0	8755.1	9568.6	9503.0
4454.2	52.5°	4570.9	5212.9	5785.7	6343.8	7274.1	7438.2	8029.2	9014.1	8970.4
3403.6	55°	3994.5	4461.5	5107.2	5555.9	6566.3	7004.1	7485.6	8485.2	8463.3
2798.0	57.5°	2841.8	3742.8	4275.4	4902.9	5435.5	6227.1	6584.6	7409.0	7204.7
1550.4	60°	1926.1	2349.3	2998.6	3673.5	4031.0	4822.6	5154.6	5814.9	5760.1
926.6	62.5°	1017.8	1408.1	1871.4	2210.7	2469.7	3239.4	3378.0	4089.4	4071.1
372.1	65°	448.7	594.6	1014.1	1189.2	1455.5	1813.0	1933.4	2188.8	2126.8
182.4	67.5°	233.5	353.9	572.7	704.1	886.5	1021.4	1119.9	1200.2	1251.3
120.4	70°	142.3	259.0	353.9	488.8	609.2	718.7	795.3	904.7	970.4
62.0	72.5°	105.8	164.2	244.4	375.7	441.4	569.1	645.7	725.9	784.3
51.1	75°	58.4	109.4	197.0	295.5	353.9	463.3	532.6	587.3	605.6
29.2	77.5°	36.5	83.9	164.2	229.8	277.2	375.7	357.5	408.6	452.3
21.9	80°	25.5	62.0	127.7	189.7	193.3	240.8	284.5	328.3	357.5
14.6	82.5°	18.2	51.1	94.8	145.9	127.7	186.0	222.5	255.4	186.0
10.9	85°	14.6	36.5	47.4	87.6	73.0	131.3	113.1	109.4	73.0
7.3	87.5°	10.9	18.2	32.8	40.1	29.2	29.2	36.5	43.8	36.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
10710.4
10444.1
10517.1
10579.1
10670.3
10856.4
11170.1
11582.3
12034.7
12414.0
12614.7
12384.9
12155.0
11939.8
11713.6
11451.0
11166.4
10860.0
10524.4
10090.3
9513.9
8999.5
8488.8
7182.9
5763.8
4074.8
2101.2
1251.3
974.0
795.3
594.6
459.6
361.1
135.0
73.0
36.5
0.0

(END OF REPORT)