

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: P637792

Luminaire Tested: **IFLD-S-SA6B-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637792
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20732.5 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

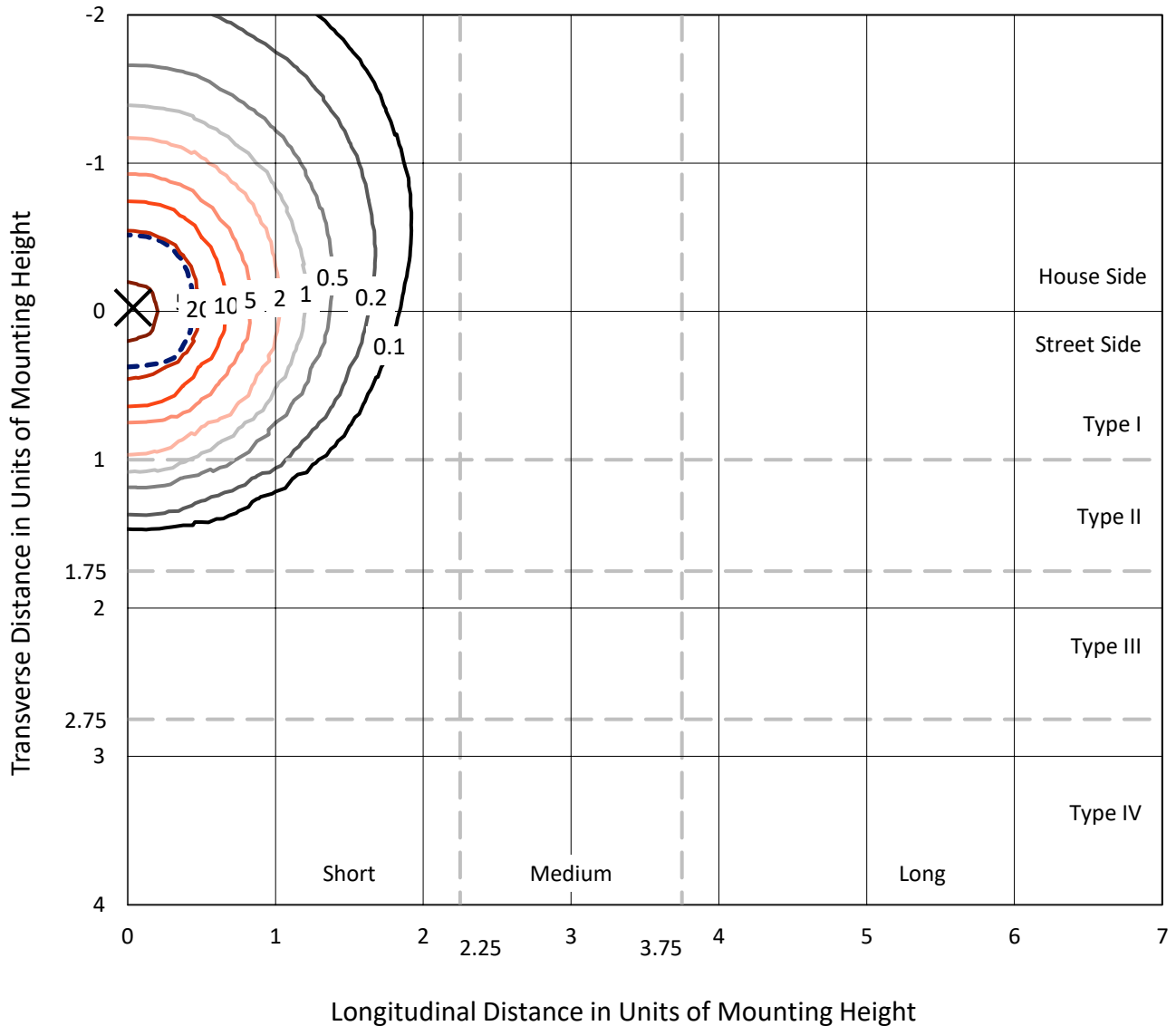
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

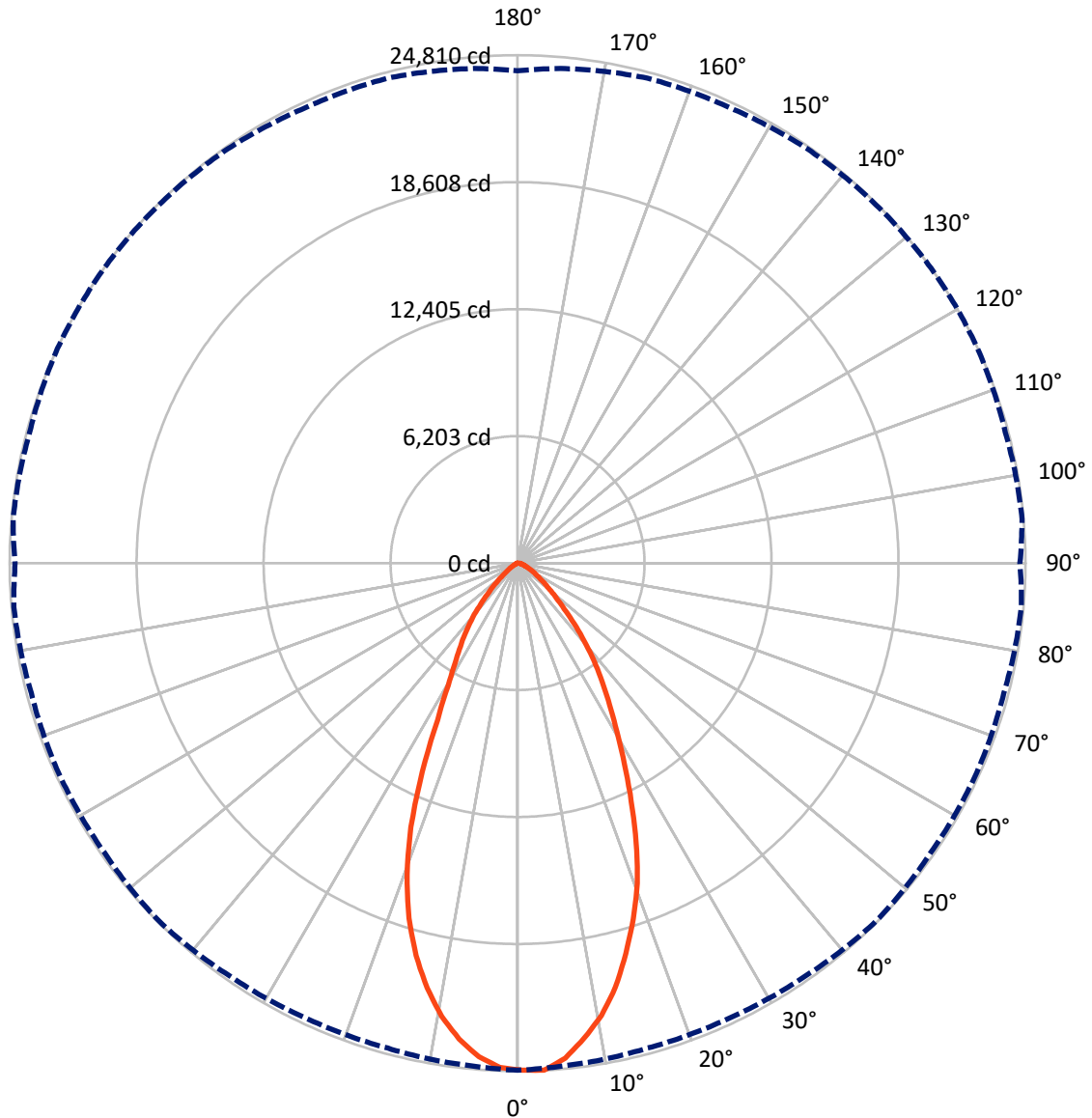
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 61.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11764.4	0.0	11764.4
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	8968.0	0.0	8968.0
	% Fixture	43.3	0.0	43.3
Total	Lumens	20732.5	0.0	20732.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2249.2	10.8
10°-20°	5361.7	25.9
20°-30°	5460.8	26.3
30°-40°	4072.1	19.6
40°-50°	2127.4	10.3
50°-60°	894.8	4.3
60°-70°	365.4	1.8
70°-80°	153.8	0.7
80°-90°	47.4	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°	20732.5	100.0
0°-180°	20732.5	100.0

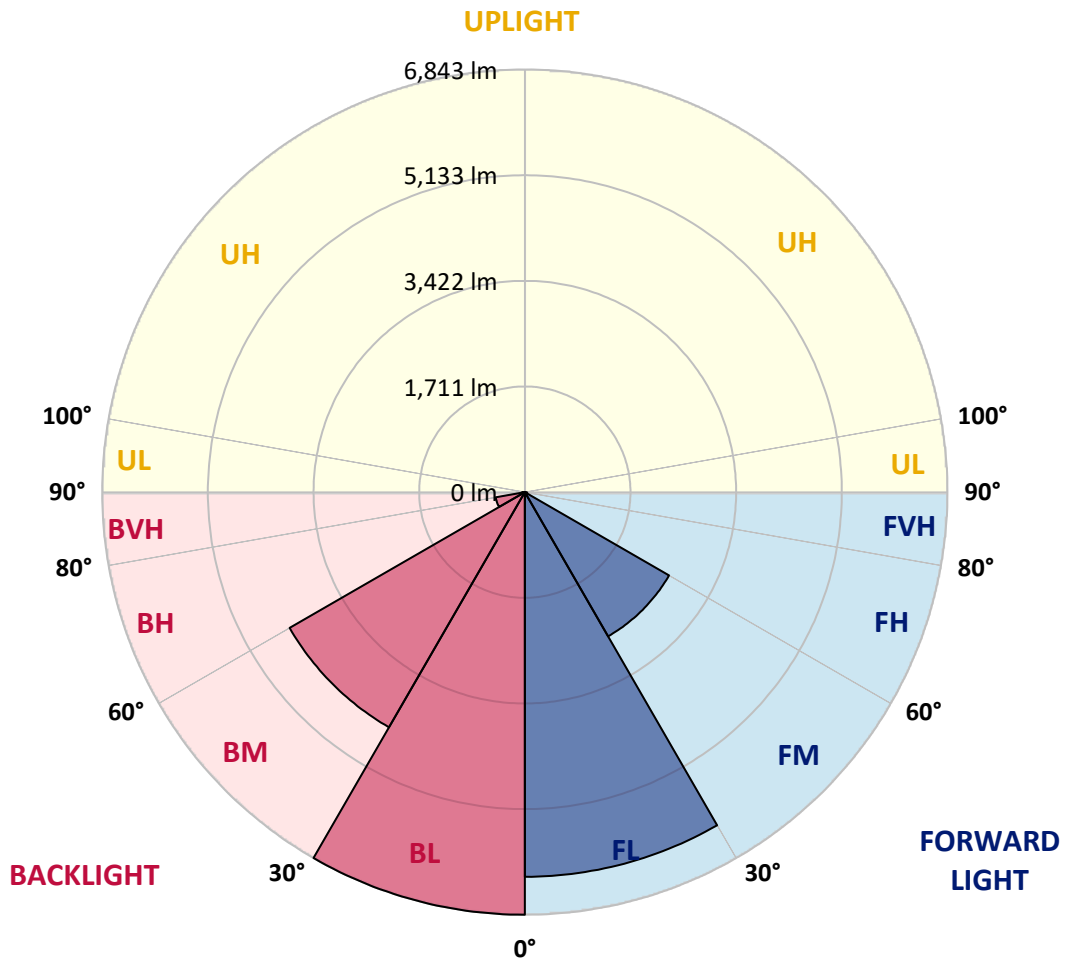


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6228.3	30.0			
FM (30°-60°)	2696.3	13.0			
FH (60°-80°)	39.0	0.2			G0/660
FVH (80°-90°)	4.4	0.0			G0/10
BL (0°-30°)	6843.4	33.0	B5		
BM (30°-60°)	4397.9	21.2	B3/5000		
BH (60°-80°)	480.2	2.3	B1/500		G1/500
BVH (80°-90°)	43.0	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-G1
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3
2.5°	24772.9	24671.7	24527.9	24514.6	24589.2	24751.6	24647.8	24653.1	24589.2	24698.4
5°	24384.1	24288.2	24189.7	24059.2	24168.4	24237.6	24184.4	24125.8	24043.2	24149.7
7.5°	23649.1	23595.8	23449.3	23390.7	23457.3	23534.5	23420.0	23404.1	23289.5	23428.0
10°	22525.2	22503.9	22360.1	22325.5	22384.1	22501.2	22450.6	22440.0	22368.1	22354.8
12.5°	21358.7	21276.2	21097.7	21087.1	21175.0	21350.7	21214.9	21084.4	21124.4	21159.0
15°	18354.7	18266.8	18708.9	19404.0	19768.8	19755.5	19795.4	19638.3	19590.4	19606.4
17.5°	14591.6	14442.4	14602.2	15678.2	17411.9	18418.6	18141.6	17803.4	17622.3	17502.4
20°	12594.2	12602.2	12572.9	12849.9	13931.1	16226.8	16160.2	15507.7	15270.7	15172.2
22.5°	11379.8	11334.5	11270.6	11358.5	11648.8	12996.3	13899.2	13299.9	13217.4	13108.2
25°	10189.3	10189.3	10112.1	10200.0	10282.5	10301.2	11206.7	11451.7	11291.9	11291.9
27.5°	9158.7	9105.4	9070.8	9110.7	9001.6	8476.9	8591.4	9845.8	9736.6	9670.0
30°	8136.0	8120.0	8061.5	8114.7	7709.9	7118.7	6879.0	8309.1	8423.6	8399.7
32.5°	6716.5	6780.5	7041.5	7124.0	6431.6	5954.9	5725.8	6897.6	7355.7	7337.1
35°	4564.7	4618.0	4916.2	5901.6	5331.7	4990.8	4924.2	5486.2	6239.8	6311.7
37.5°	3635.2	3627.3	3712.5	3888.2	4285.1	4202.5	4183.9	4330.3	5089.3	5121.3
40°	2996.1	2985.4	2982.8	2839.0	2740.4	3494.1	3443.5	3355.6	4013.4	4077.3
42.5°	2415.5	2426.2	2434.1	2119.9	1976.1	2695.1	2665.8	2575.3	3147.9	3222.5
45°	1896.2	1893.5	1909.5	1579.3	1539.3	1723.1	1992.1	1920.2	2375.6	2455.5
47.5°	982.7	1017.3	1233.1	1222.4	1241.0	1222.4	1507.4	1488.7	1787.0	1914.8
50°	660.5	671.1	689.8	692.4	977.4	900.2	1022.7	1158.5	1251.7	1448.8
52.5°	511.3	519.3	471.4	442.1	599.2	665.8	671.1	801.6	873.5	1073.3
55°	285.0	319.6	343.6	346.2	330.2	492.7	490.0	593.9	649.8	783.0
57.5°	37.3	45.3	69.2	223.7	221.0	274.3	343.6	431.4	463.4	572.6
60°	2.7	5.3	8.0	34.6	146.5	159.8	234.4	269.0	322.2	402.1
62.5°	0.0	0.0	2.7	8.0	29.3	93.2	122.5	141.1	189.1	263.7
65°	0.0	0.0	2.7	5.3	10.7	34.6	47.9	77.2	111.9	162.5
67.5°	0.0	0.0	2.7	5.3	8.0	13.3	21.3	34.6	58.6	98.5
70°	0.0	0.0	2.7	5.3	8.0	10.7	16.0	21.3	32.0	53.3
72.5°	0.0	0.0	2.7	2.7	5.3	13.3	13.3	16.0	21.3	29.3
75°	0.0	0.0	2.7	5.3	8.0	13.3	13.3	13.3	16.0	18.6
77.5°	0.0	0.0	2.7	5.3	8.0	13.3	10.7	13.3	13.3	13.3
80°	0.0	0.0	2.7	5.3	8.0	13.3	16.0	13.3	10.7	10.7
82.5°	0.0	0.0	2.7	8.0	8.0	18.6	18.6	18.6	8.0	8.0
85°	0.0	0.0	5.3	8.0	13.3	21.3	21.3	16.0	8.0	5.3
87.5°	0.0	0.0	2.7	5.3	5.3	10.7	16.0	13.3	5.3	2.7
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°
24770.3	0°	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3	24770.3
24538.6	2.5°	24735.6	24669.1	24794.2	24810.2	24756.9	24690.4	24535.9	24522.6	24253.6
23995.3	5°	24266.9	24157.7	24237.6	24290.9	24272.2	24200.3	24136.4	24077.8	23835.5
23113.8	7.5°	23393.4	23353.5	23390.7	23430.7	23507.9	23430.7	23404.1	23342.8	23103.1
22245.6	10°	22424.0	22349.4	22490.6	22471.9	22450.6	22429.3	22317.5	22328.1	22045.8
21063.1	12.5°	21233.6	21108.4	21244.2	21260.2	21244.2	21169.6	21044.5	21097.7	20839.4
19465.2	15°	19633.0	19619.7	19718.2	19782.1	19827.4	19747.5	19704.9	19731.5	19577.1
17409.2	17.5°	17667.6	17840.7	18162.9	18272.1	18274.8	18357.3	18333.4	18301.4	18186.9
15132.2	20°	15355.9	15688.8	16184.2	16692.8	16839.3	16770.1	16738.1	16796.7	16626.3
12993.7	22.5°	13222.7	13507.7	14082.9	14825.9	15254.7	15297.3	15289.3	15238.7	15172.2
11281.2	25°	11411.7	11664.7	12216.0	12895.1	13718.1	13840.6	13845.9	13829.9	13771.3
9728.6	27.5°	9883.1	10189.3	10492.9	11100.1	11976.3	12482.3	12418.4	12399.8	12378.5
8418.3	30°	8498.2	8884.4	9169.3	9547.5	10333.1	11017.6	11084.2	11052.2	11001.6
7334.4	32.5°	7401.0	7630.0	7992.2	8247.9	8812.5	9587.5	9843.1	9819.2	9773.9
6357.0	35°	6447.6	6538.1	6823.1	7108.0	7483.5	8234.6	8612.7	8559.5	8551.5
5179.9	37.5°	5310.4	5614.0	5771.1	6058.7	6322.4	6905.6	7427.6	7403.6	7406.3
4165.2	40°	4287.7	4463.5	4775.1	5017.4	5259.8	5685.9	6266.5	6282.4	6277.1
3225.1	42.5°	3291.7	3462.1	3789.7	4053.4	4269.1	4532.7	5086.7	5105.3	5129.3
2511.4	45°	2570.0	2679.2	2918.8	3193.2	3422.2	3582.0	4002.8	4122.6	4125.3
1946.8	47.5°	1994.7	2119.9	2290.3	2554.0	2777.7	2892.2	3198.5	3360.9	3352.9
1494.0	50°	1566.0	1680.5	1819.0	2026.7	2269.0	2359.6	2586.0	2745.7	2737.8
1126.5	52.5°	1198.4	1344.9	1467.4	1627.2	1864.2	1941.5	2103.9	2287.7	2261.0
825.6	55°	908.1	1057.3	1171.8	1305.0	1520.7	1619.2	1731.1	1877.5	1882.9
639.2	57.5°	684.4	838.9	942.8	1078.6	1241.0	1350.2	1435.5	1592.6	1589.9
436.8	60°	490.0	623.2	748.4	889.5	1014.7	1139.8	1198.4	1347.6	1352.9
308.9	62.5°	354.2	479.4	599.2	721.7	833.6	956.1	1009.3	1126.5	1142.5
202.4	65°	247.7	335.6	474.0	567.3	692.4	783.0	852.2	953.4	972.1
119.8	67.5°	159.8	242.3	375.5	458.1	572.6	649.8	721.7	801.6	825.6
77.2	70°	95.9	183.8	279.6	367.5	471.4	540.6	609.9	679.1	692.4
37.3	72.5°	61.3	127.8	202.4	298.3	378.2	452.7	514.0	564.6	524.6
24.0	75°	34.6	87.9	159.8	234.4	306.3	378.2	428.8	455.4	364.9
16.0	77.5°	21.3	63.9	130.5	189.1	237.0	303.6	335.6	351.5	261.0
10.7	80°	13.3	47.9	109.2	154.5	154.5	223.7	261.0	274.3	189.1
8.0	82.5°	10.7	34.6	85.2	117.2	103.9	167.8	205.1	207.7	133.2
5.3	85°	8.0	26.6	53.3	77.2	71.9	117.2	119.8	133.2	87.9
5.3	87.5°	5.3	16.0	32.0	45.3	39.9	55.9	63.9	71.9	47.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
24770.3
24043.2
23641.1
23052.5
21950.0
20764.8
19390.6
18016.4
16503.7
15044.3
13574.2
12253.3
10937.7
9654.0
8463.6
7321.1
6183.9
5049.4
4056.0
3323.7
2737.8
2263.7
1882.9
1584.6
1339.6
1137.2
966.7
822.9
681.8
487.4
346.2
245.0
175.8
122.5
79.9
42.6
0.0

(END OF REPORT)