

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: P637782

Luminaire Tested: **IFLD-S-SA2B-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637782
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7091.7 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

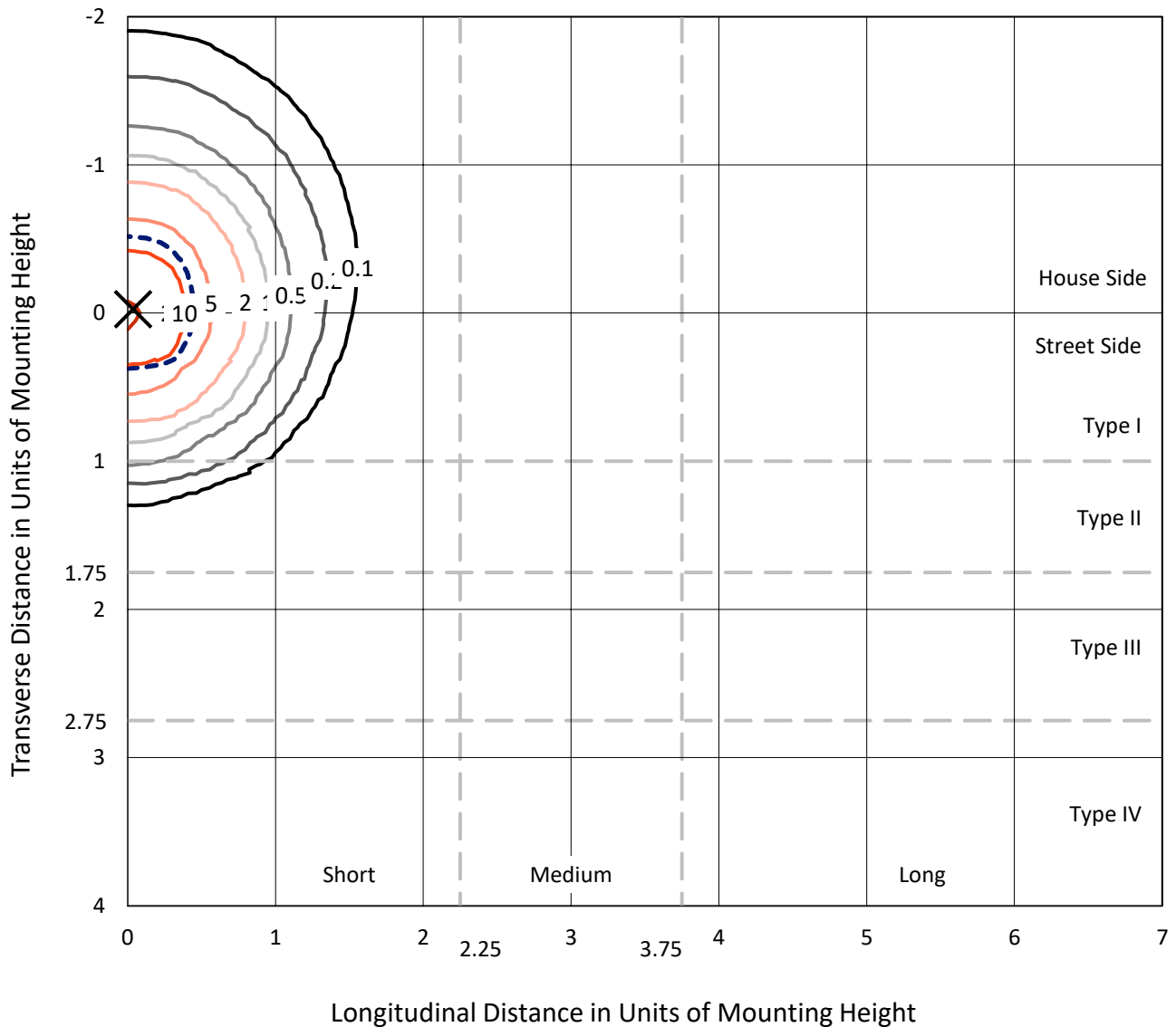
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

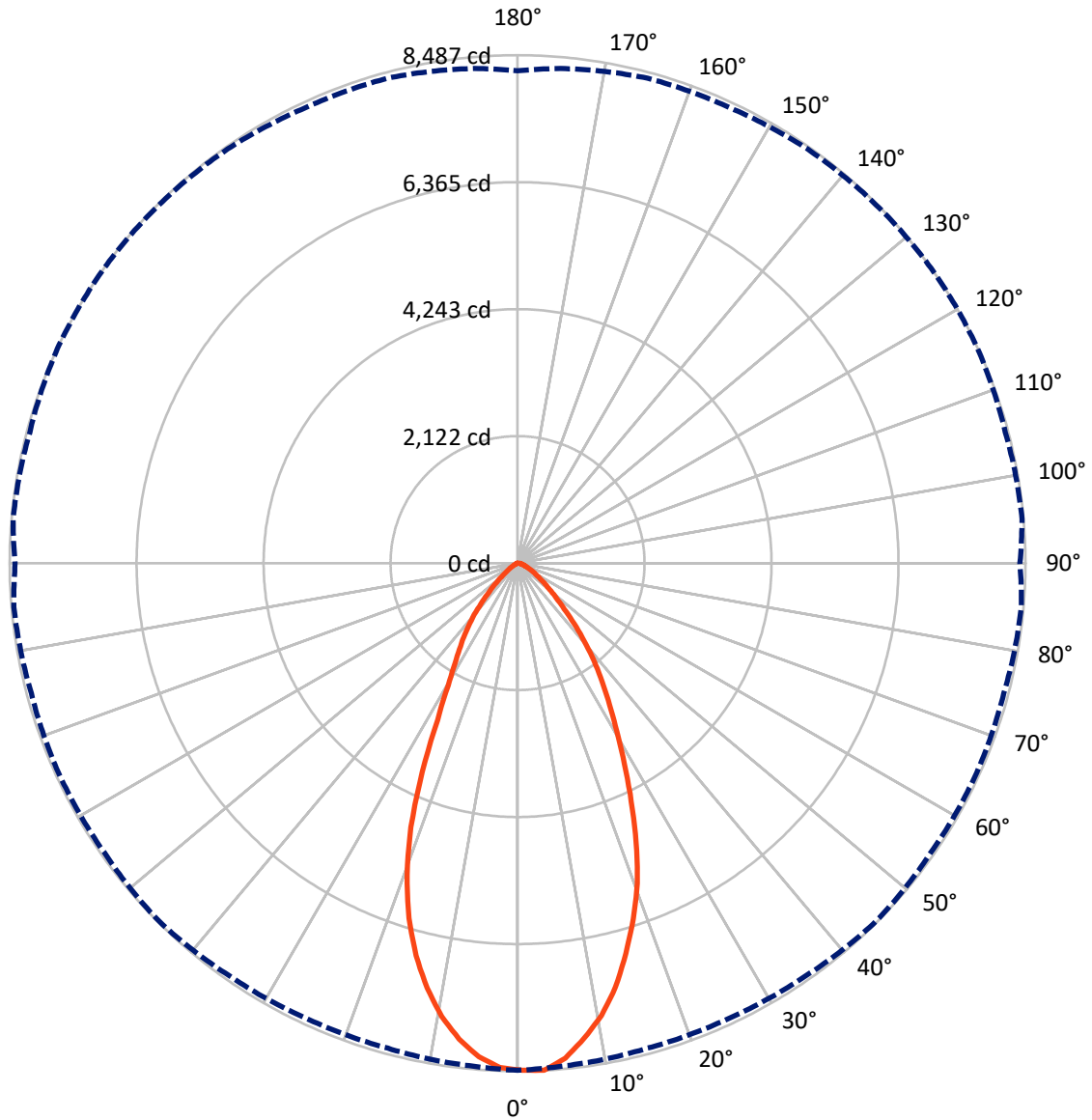
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.2 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	4024.1	0.0	4024.1
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	3067.6	0.0	3067.6
	% Fixture	43.3	0.0	43.3
Total	Lumens	7091.7	0.0	7091.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.4	10.8
10°-20°	1834.0	25.9
20°-30°	1867.9	26.3
30°-40°	1392.9	19.6
40°-50°	727.7	10.3
50°-60°	306.1	4.3
60°-70°	125.0	1.8
70°-80°	52.6	0.7
80°-90°	16.2	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°	7091.7	100.0
0°-180°	7091.7	100.0



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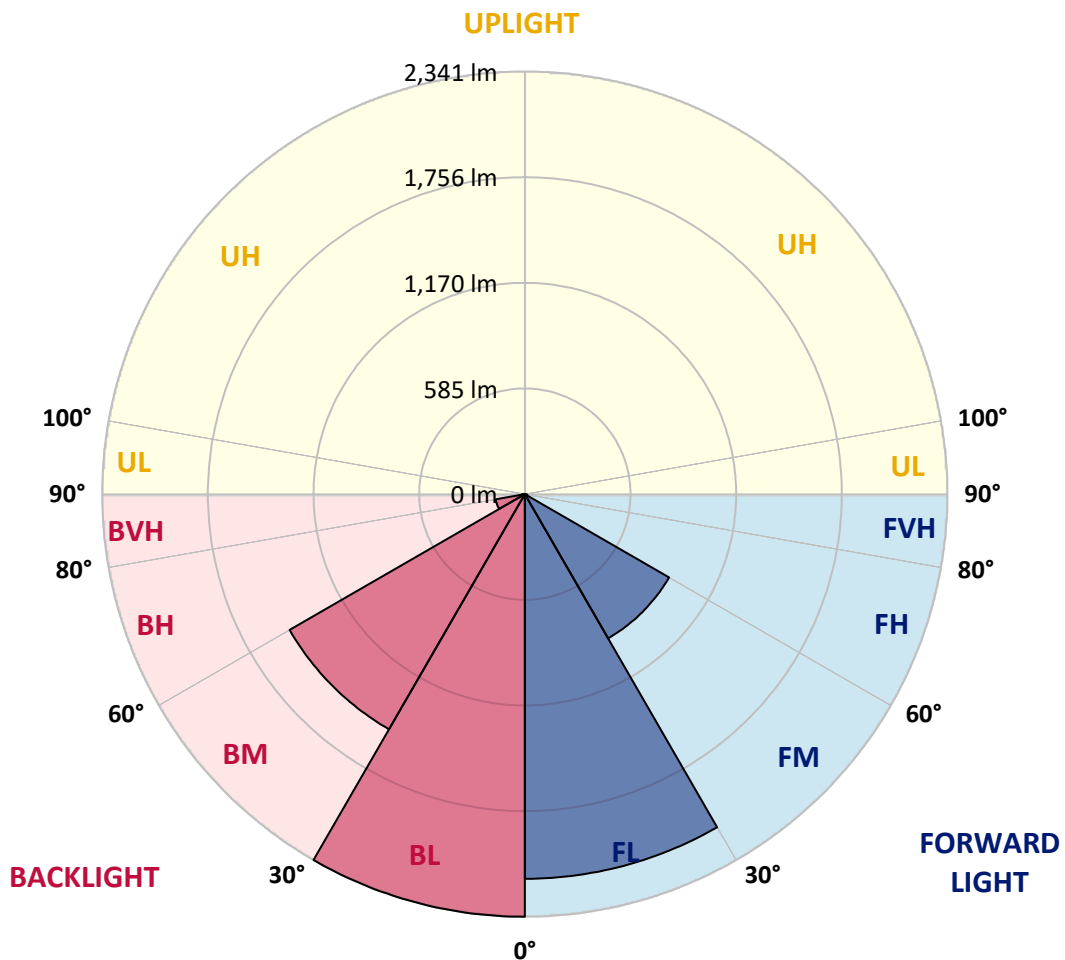
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2130.4	30.0			
FM (30°-60°)	922.3	13.0			
FH (60°-80°)	13.3	0.2			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	2340.8	33.0	B3/2500		
BM (30°-60°)	1504.3	21.2	B2/2500		
BH (60°-80°)	164.3	2.3	B1/500		G1/500
BVH (80°-90°)	14.7	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°	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9
2.5°	8473.8	8439.2	8390.0	8385.4	8410.9	8466.5	8431.0	8432.8	8410.9	8448.3
5°	8340.8	8308.0	8274.3	8229.6	8267.0	8290.7	8272.4	8252.4	8224.2	8260.6
7.5°	8089.3	8071.1	8021.0	8001.0	8023.8	8050.2	8011.0	8005.5	7966.4	8013.7
10°	7704.9	7697.6	7648.4	7636.6	7656.6	7696.7	7679.4	7675.8	7651.2	7646.6
12.5°	7305.9	7277.7	7216.6	7213.0	7243.1	7303.2	7256.7	7212.1	7225.7	7237.6
15°	6278.3	6248.3	6399.5	6637.3	6762.1	6757.5	6771.2	6717.4	6701.0	6706.5
17.5°	4991.2	4940.1	4994.8	5362.8	5955.9	6300.2	6205.5	6089.8	6027.8	5986.8
20°	4307.9	4310.7	4300.7	4395.4	4765.2	5550.5	5527.7	5304.5	5223.5	5189.7
22.5°	3892.5	3877.1	3855.2	3885.3	3984.5	4445.5	4754.3	4549.3	4521.1	4483.8
25°	3485.3	3485.3	3458.9	3489.0	3517.2	3523.6	3833.3	3917.1	3862.5	3862.5
27.5°	3132.8	3114.6	3102.7	3116.4	3079.1	2899.6	2938.8	3367.8	3330.5	3307.7
30°	2783.0	2777.5	2757.5	2775.7	2637.2	2435.0	2353.0	2842.2	2881.4	2873.2
32.5°	2297.4	2319.3	2408.6	2436.8	2200.0	2036.9	1958.6	2359.4	2516.1	2509.7
35°	1561.4	1579.6	1681.6	2018.7	1823.7	1707.1	1684.4	1876.6	2134.4	2159.0
37.5°	1243.5	1240.7	1269.9	1330.0	1465.7	1437.5	1431.1	1481.2	1740.8	1751.8
40°	1024.8	1021.2	1020.3	971.1	937.4	1195.2	1177.9	1147.8	1372.8	1394.7
42.5°	826.2	829.9	832.6	725.1	675.9	921.9	911.9	880.9	1076.8	1102.3
45°	648.6	647.7	653.2	540.2	526.5	589.4	681.4	656.8	812.6	839.9
47.5°	336.1	348.0	421.8	418.1	424.5	418.1	515.6	509.2	611.3	655.0
50°	225.9	229.6	235.9	236.9	334.3	307.9	349.8	396.3	428.2	495.6
52.5°	174.9	177.6	161.2	151.2	205.0	227.7	229.6	274.2	298.8	367.1
55°	97.5	109.3	117.5	118.4	113.0	168.5	167.6	203.1	222.3	267.8
57.5°	12.8	15.5	23.7	76.5	75.6	93.8	117.5	147.6	158.5	195.9
60°	0.9	1.8	2.7	11.8	50.1	54.7	80.2	92.0	110.2	137.6
62.5°	0.0	0.0	0.9	2.7	10.0	31.9	41.9	48.3	64.7	90.2
65°	0.0	0.0	0.9	1.8	3.6	11.8	16.4	26.4	38.3	55.6
67.5°	0.0	0.0	0.9	1.8	2.7	4.6	7.3	11.8	20.0	33.7
70°	0.0	0.0	0.9	1.8	2.7	3.6	5.5	7.3	10.9	18.2
72.5°	0.0	0.0	0.9	0.9	1.8	4.6	4.6	5.5	7.3	10.0
75°	0.0	0.0	0.9	1.8	2.7	4.6	4.6	4.6	5.5	6.4
77.5°	0.0	0.0	0.9	1.8	2.7	4.6	3.6	4.6	4.6	4.6
80°	0.0	0.0	0.9	1.8	2.7	4.6	5.5	4.6	3.6	3.6
82.5°	0.0	0.0	0.9	2.7	2.7	6.4	6.4	6.4	2.7	2.7
85°	0.0	0.0	1.8	2.7	4.6	7.3	7.3	5.5	2.7	1.8
87.5°	0.0	0.0	0.9	1.8	1.8	3.6	5.5	4.6	1.8	0.9
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°
8472.9	0°	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9	8472.9
8393.6	2.5°	8461.0	8438.2	8481.1	8486.5	8468.3	8445.5	8392.7	8388.1	8296.1
8207.8	5°	8300.7	8263.3	8290.7	8308.9	8302.5	8277.9	8256.0	8236.0	8153.1
7906.2	7.5°	8001.9	7988.2	8001.0	8014.6	8041.1	8014.6	8005.5	7984.6	7902.6
7609.3	10°	7670.3	7644.8	7693.1	7686.7	7679.4	7672.1	7633.9	7637.5	7540.9
7204.8	12.5°	7263.1	7220.3	7266.7	7272.2	7266.7	7241.2	7198.4	7216.6	7128.3
6658.2	15°	6715.6	6711.1	6744.8	6766.6	6782.1	6754.8	6740.2	6749.3	6696.5
5955.0	17.5°	6043.3	6102.5	6212.8	6250.1	6251.0	6279.3	6271.1	6260.1	6221.0
5176.1	20°	5252.6	5366.5	5535.9	5709.9	5760.0	5736.3	5725.4	5745.4	5687.1
4444.6	22.5°	4522.9	4620.4	4817.2	5071.3	5218.0	5232.6	5229.8	5212.5	5189.7
3858.8	25°	3903.5	3990.0	4178.6	4410.9	4692.4	4734.3	4736.1	4730.6	4710.6
3327.7	27.5°	3380.6	3485.3	3589.2	3796.9	4096.6	4269.7	4247.8	4241.4	4234.2
2879.6	30°	2906.9	3039.0	3136.4	3265.8	3534.5	3768.6	3791.4	3780.5	3763.2
2508.8	32.5°	2531.6	2609.9	2733.8	2821.2	3014.4	3279.5	3366.9	3358.7	3343.2
2174.5	35°	2205.4	2236.4	2333.9	2431.4	2559.8	2816.7	2946.1	2927.8	2925.1
1771.8	37.5°	1816.5	1920.3	1974.1	2072.4	2162.6	2362.1	2540.7	2532.5	2533.4
1424.7	40°	1466.6	1526.8	1633.4	1716.3	1799.1	1944.9	2143.5	2149.0	2147.1
1103.2	42.5°	1125.9	1184.3	1296.3	1386.5	1460.3	1550.5	1739.9	1746.3	1754.5
859.0	45°	879.1	916.4	998.4	1092.2	1170.6	1225.2	1369.2	1410.2	1411.1
665.9	47.5°	682.3	725.1	783.4	873.6	950.1	989.3	1094.1	1149.6	1146.9
511.0	50°	535.6	574.8	622.2	693.2	776.1	807.1	884.5	939.2	936.5
385.3	52.5°	409.9	460.0	501.9	556.6	637.7	664.1	719.7	782.5	773.4
282.4	55°	310.6	361.7	400.8	446.4	520.2	553.9	592.1	642.2	644.1
218.6	57.5°	234.1	287.0	322.5	368.9	424.5	461.9	491.0	544.8	543.8
149.4	60°	167.6	213.2	256.0	304.3	347.1	389.9	409.9	460.9	462.8
105.7	62.5°	121.2	164.0	205.0	246.9	285.1	327.0	345.3	385.3	390.8
69.2	65°	84.7	114.8	162.2	194.0	236.9	267.8	291.5	326.1	332.5
41.0	67.5°	54.7	82.9	128.4	156.7	195.9	222.3	246.9	274.2	282.4
26.4	70°	32.8	62.9	95.7	125.7	161.2	184.9	208.6	232.3	236.9
12.8	72.5°	21.0	43.7	69.2	102.0	129.4	154.9	175.8	193.1	179.5
8.2	75°	11.8	30.1	54.7	80.2	104.8	129.4	146.7	155.8	124.8
5.5	77.5°	7.3	21.9	44.6	64.7	81.1	103.8	114.8	120.2	89.3
3.6	80°	4.6	16.4	37.3	52.8	52.8	76.5	89.3	93.8	64.7
2.7	82.5°	3.6	11.8	29.2	40.1	35.5	57.4	70.1	71.1	45.5
1.8	85°	2.7	9.1	18.2	26.4	24.6	40.1	41.0	45.5	30.1
1.8	87.5°	1.8	5.5	10.9	15.5	13.7	19.1	21.9	24.6	16.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
8472.9
8224.2
8086.6
7885.3
7508.1
7102.8
6632.7
6162.7
5645.2
5146.0
4643.2
4191.3
3741.3
3302.2
2895.0
2504.2
2115.3
1727.2
1387.4
1136.9
936.5
774.3
644.1
542.0
458.2
389.0
330.7
281.5
233.2
166.7
118.4
83.8
60.1
41.9
27.3
14.6
0.0

(END OF REPORT)