

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: P636573

Luminaire Tested: **IFLD-S-SA6A-927-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636573
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13605.1 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

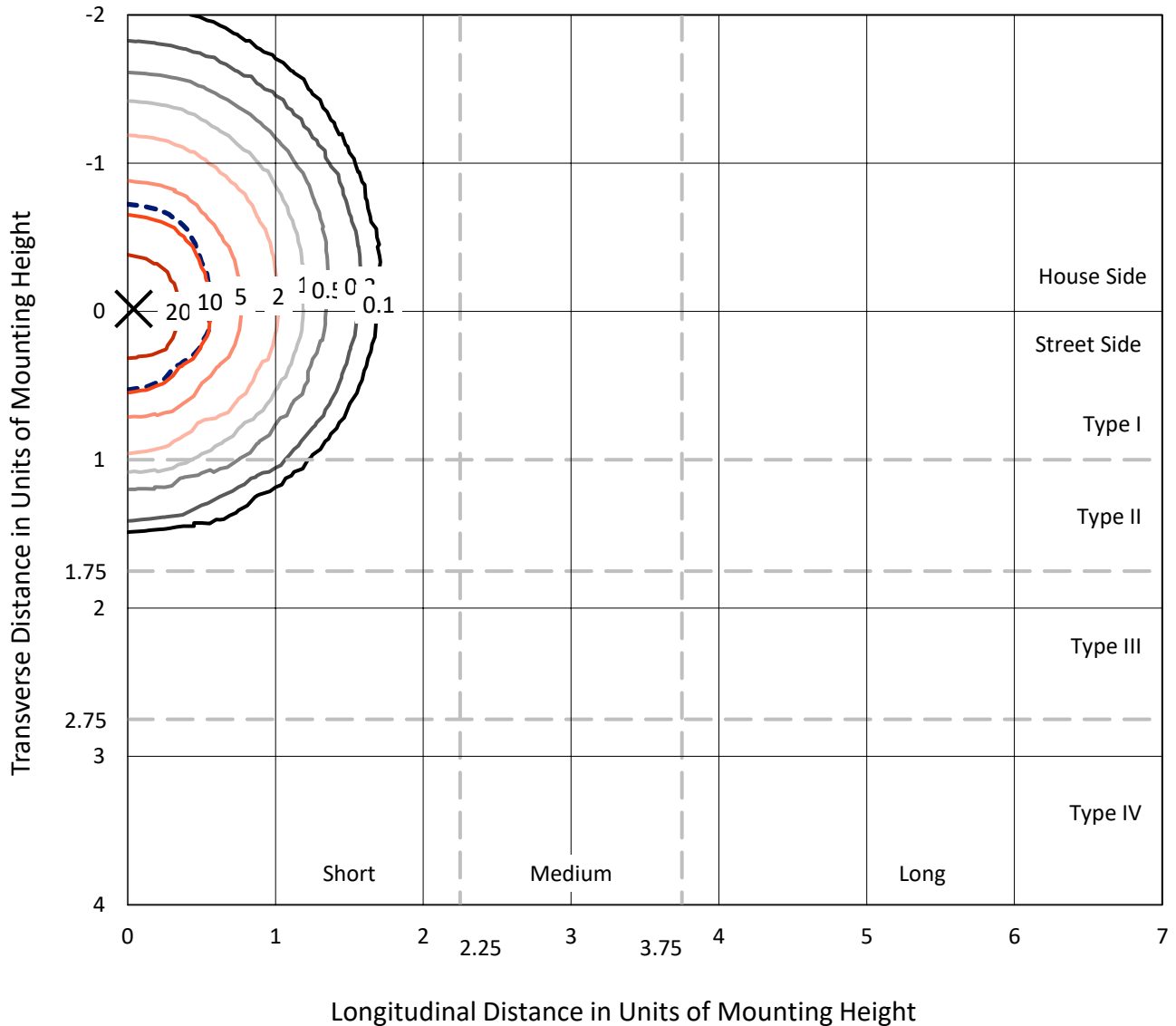
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

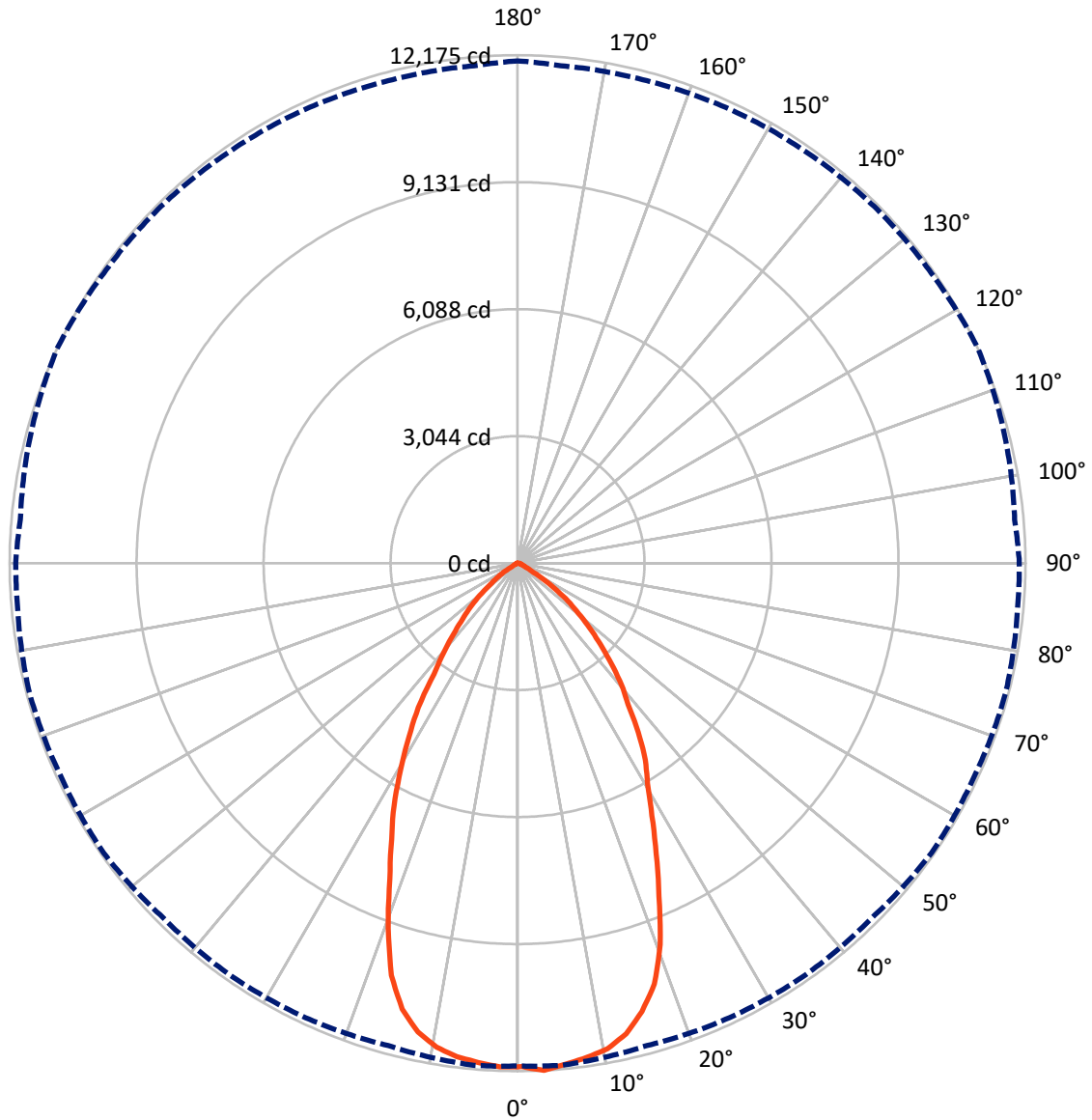
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 30.2 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	7786.0	0.0	7786.0
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	5819.1	0.0	5819.1
	% Fixture	42.8	0.0	42.8
Total	Lumens	13605.1	0.0	13605.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1137.0	8.4
10°-20°	3014.6	22.2
20°-30°	3448.1	25.3
30°-40°	2954.9	21.7
40°-50°	1953.9	14.4
50°-60°	852.6	6.3
60°-70°	167.5	1.2
70°-80°	60.4	0.4
80°-90°	16.1	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°	13605.1	100.0
0°-180°	13605.1	100.0



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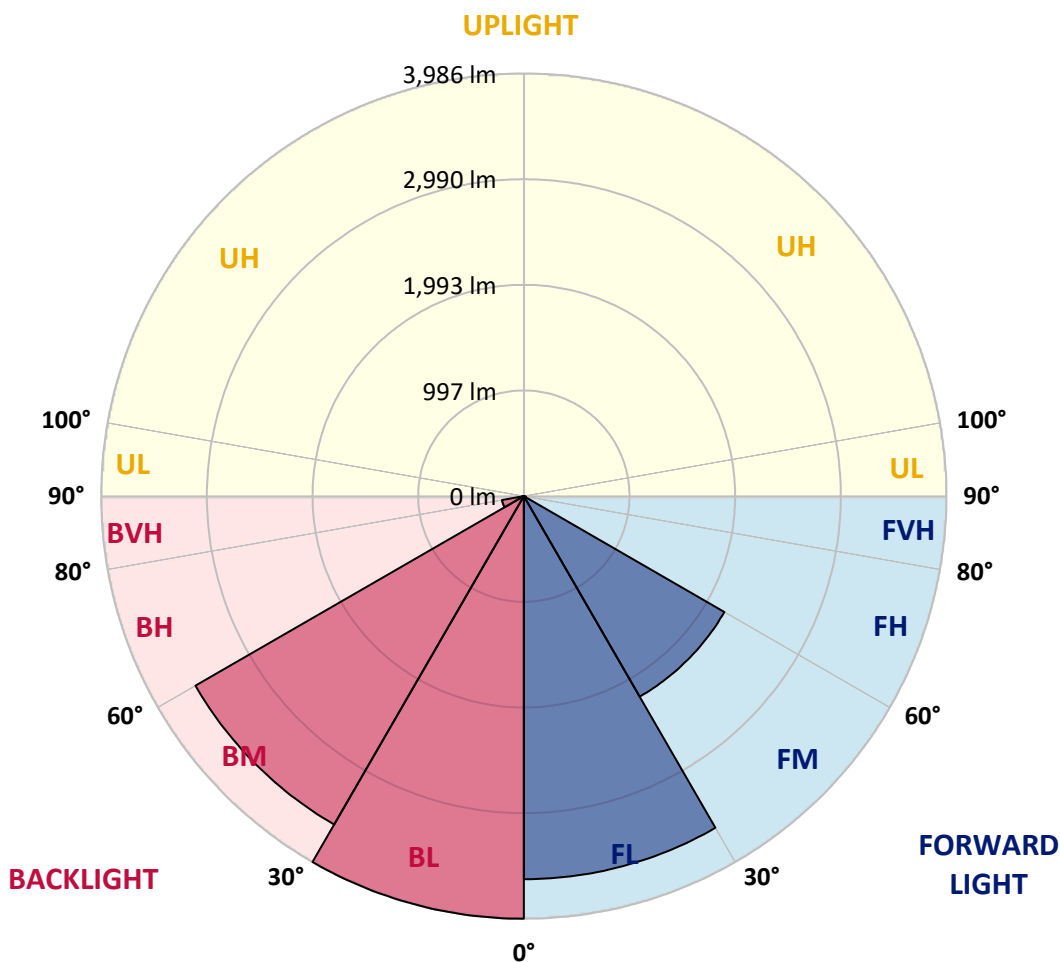
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3613.2	26.6			
FM (30°-60°)	2184.7	16.1			
FH (60°-80°)	18.5	0.1			G0/660
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	3986.4	29.3	B4/5000		
BM (30°-60°)	3576.7	26.3	B3/5000		
BH (60°-80°)	209.5	1.5	B1/500		G1/500
BVH (80°-90°)	13.4	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°	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2
2.5°	12053.8	12082.7	11972.8	12022.0	12042.2	12016.2	12111.6	12082.7	12105.9	12033.6
5°	12053.8	12082.7	11955.5	11978.6	11984.4	11935.2	12039.3	12004.6	12007.5	11932.3
7.5°	11978.6	12013.3	11897.6	11915.0	11917.9	11877.4	11967.0	11917.9	11900.5	11822.4
10°	11776.2	11796.4	11692.3	11735.7	11776.2	11738.6	11816.7	11761.7	11761.7	11692.3
12.5°	11455.2	11492.8	11377.1	11429.1	11463.8	11420.5	11510.1	11489.9	11492.8	11423.4
15°	10871.0	10740.8	10879.7	10983.8	10986.7	10978.0	11061.9	11041.6	11056.1	10952.0
17.5°	8031.1	7999.2	8161.2	9390.3	10304.2	10428.5	10443.0	10333.1	10283.9	10182.7
20°	7441.1	7464.2	7429.5	7435.3	8155.4	9650.6	9560.9	9289.1	9164.7	9063.5
22.5°	7010.2	6972.6	6949.4	6935.0	6955.2	7929.8	8574.7	8164.1	8097.6	8048.4
25°	6541.7	6524.3	6495.4	6489.6	6478.1	6313.2	7241.5	7279.1	7172.1	7111.4
27.5°	6105.0	6093.4	6061.6	6058.7	5925.7	5526.6	5627.8	6521.4	6492.5	6469.4
30°	5639.4	5616.2	5598.9	5598.9	5196.9	4786.2	4621.4	5685.6	5685.6	5665.4
32.5°	5133.3	5113.0	5118.8	5049.4	4569.3	4193.4	3933.1	4907.7	5211.4	5194.0
35°	3137.8	3132.0	3719.1	4491.3	3927.3	3586.1	3568.7	4199.2	4641.6	4687.9
37.5°	2793.7	2776.3	2785.0	2834.1	3363.4	3227.5	3221.7	3328.7	3950.5	3973.6
40°	2507.4	2495.8	2487.1	2310.7	2143.0	2880.4	2860.2	2790.8	3375.0	3415.4
42.5°	2235.5	2223.9	2223.9	1975.2	1703.4	2368.5	2377.2	2296.2	2845.7	2860.2
45°	1955.0	1946.3	1897.1	1576.1	1498.0	1573.2	1969.4	1876.9	2258.6	2409.0
47.5°	922.5	916.8	1327.4	1310.1	1304.3	1258.0	1503.8	1555.9	1793.0	1943.4
50°	740.3	734.6	699.9	616.0	1072.9	954.4	1084.5	1197.3	1272.5	1411.3
52.5°	613.1	607.3	535.0	474.3	595.7	697.0	647.8	801.1	798.2	948.6
55°	402.0	373.1	410.7	387.5	312.3	506.1	494.5	607.3	592.9	723.0
57.5°	8.7	8.7	20.2	219.8	196.7	214.0	283.4	347.0	390.4	428.0
60°	2.9	2.9	5.8	11.6	81.0	89.7	109.9	127.2	179.3	222.7
62.5°	0.0	0.0	2.9	5.8	11.6	46.3	52.1	60.7	83.9	115.7
65°	0.0	0.0	0.0	2.9	5.8	11.6	17.4	37.6	52.1	66.5
67.5°	0.0	0.0	0.0	2.9	2.9	5.8	11.6	17.4	23.1	46.3
70°	0.0	0.0	0.0	2.9	2.9	5.8	8.7	11.6	17.4	23.1
72.5°	0.0	0.0	0.0	2.9	2.9	8.7	5.8	8.7	11.6	14.5
75°	0.0	0.0	0.0	2.9	2.9	2.9	5.8	8.7	8.7	11.6
77.5°	0.0	0.0	0.0	2.9	5.8	5.8	5.8	5.8	5.8	8.7
80°	0.0	0.0	0.0	2.9	2.9	5.8	8.7	11.6	5.8	5.8
82.5°	0.0	0.0	0.0	5.8	2.9	11.6	17.4	14.5	5.8	2.9
85°	0.0	0.0	0.0	2.9	11.6	14.5	14.5	8.7	2.9	2.9
87.5°	0.0	0.0	0.0	2.9	2.9	5.8	8.7	8.7	2.9	2.9
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°
12071.2	0°	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2	12071.2
12027.8	2.5°	11961.3	12074.0	12175.3	12111.6	12088.5	12042.2	12007.5	11969.9	11967.0
11923.7	5°	11857.2	11964.2	12062.5	11987.3	11993.1	11969.9	11946.8	11938.1	11943.9
11816.7	7.5°	11767.5	11857.2	11964.2	11900.5	11917.9	11903.4	11891.9	11874.5	11900.5
11677.8	10°	11631.6	11712.6	11836.9	11776.2	11767.5	11753.0	11741.5	11709.7	11724.1
11426.2	12.5°	11333.7	11434.9	11576.6	11507.2	11530.4	11489.9	11472.5	11452.3	11455.2
10989.6	15°	10928.8	11006.9	11151.5	11096.6	11113.9	11087.9	11087.9	11087.9	11108.1
10197.1	17.5°	10223.2	10382.2	10610.7	10541.3	10567.3	10573.1	10567.3	10587.6	10613.6
9069.3	20°	9075.1	9346.9	9763.4	9899.3	9954.2	9957.1	9916.6	9965.8	10017.8
8013.7	22.5°	8019.5	8305.8	8673.1	9046.1	9277.5	9265.9	9271.7	9303.5	9358.5
7073.8	25°	7105.6	7380.4	7712.9	8045.5	8551.6	8655.7	8658.6	8687.5	8730.9
6431.8	27.5°	6446.2	6553.2	6856.9	7192.4	7736.1	8068.6	8051.3	8077.3	8123.6
5627.8	30°	5650.9	6061.6	6131.0	6336.3	6804.8	7415.1	7417.9	7446.9	7493.1
5153.5	32.5°	5139.1	5410.9	5624.9	5630.7	6029.8	6657.4	6781.7	6810.6	6842.4
4661.9	35°	4659.0	4690.8	4980.0	5061.0	5292.3	5914.1	6133.9	6151.3	6203.3
3964.9	37.5°	4031.4	4219.4	4300.4	4589.6	4601.2	5104.4	5541.0	5523.7	5564.2
3412.5	40°	3455.9	3635.2	3840.6	4051.7	4080.6	4456.6	4939.5	4956.9	4974.2
2831.3	42.5°	2854.4	3082.9	3294.0	3435.7	3632.3	3849.2	4309.1	4390.0	4430.5
2426.4	45°	2469.8	2533.4	2785.0	2993.2	3192.8	3294.0	3724.9	3872.4	3898.4
1920.3	47.5°	1946.3	2160.3	2330.9	2507.4	2756.1	2845.7	3158.1	3363.4	3383.6
1425.8	50°	1503.8	1657.1	1891.4	2050.4	2339.6	2388.8	2602.8	2868.9	2894.9
954.4	52.5°	1075.8	1284.0	1512.5	1665.8	1943.4	2007.0	2166.1	2420.6	2437.9
731.7	55°	772.2	908.1	1096.1	1315.9	1518.3	1660.0	1769.9	2012.8	2036.0
480.1	57.5°	526.3	653.6	731.7	951.5	1072.9	1226.2	1315.9	1500.9	1518.3
228.5	60°	251.6	312.3	373.1	483.0	561.0	691.2	749.0	824.2	844.5
138.8	62.5°	162.0	190.9	242.9	289.2	364.4	445.4	468.5	532.1	555.3
86.8	65°	107.0	135.9	190.9	202.4	277.6	341.3	370.2	416.4	442.5
52.1	67.5°	60.7	95.4	141.7	167.7	219.8	280.5	312.3	352.8	376.0
34.7	70°	40.5	78.1	112.8	138.8	173.5	225.6	266.1	300.8	315.2
17.4	72.5°	23.1	49.2	78.1	109.9	138.8	188.0	225.6	254.5	167.7
11.6	75°	14.5	37.6	66.5	92.5	115.7	150.4	182.2	179.3	75.2
8.7	77.5°	11.6	28.9	57.8	78.1	95.4	104.1	130.1	147.5	57.8
5.8	80°	8.7	23.1	52.1	66.5	37.6	75.2	101.2	109.9	40.5
5.8	82.5°	5.8	14.5	43.4	46.3	26.0	54.9	81.0	72.3	28.9
2.9	85°	2.9	8.7	14.5	26.0	23.1	26.0	20.2	28.9	20.2
2.9	87.5°	2.9	5.8	11.6	11.6	11.6	8.7	11.6	11.6	11.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
12071.2
12036.5
12016.2
11972.8
11793.5
11539.0
11116.8
10700.4
10052.6
9367.1
8806.1
8167.0
7574.1
6914.7
6258.3
5613.3
5029.2
4488.4
3962.0
3432.8
2932.5
2469.8
2056.2
1553.0
867.6
561.0
442.5
373.1
312.3
135.9
75.2
57.8
43.4
28.9
20.2
11.6
0.0

(END OF REPORT)