

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: P636614

Luminaire Tested: **IFLD-L-SA7C-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636614
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22589.9 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

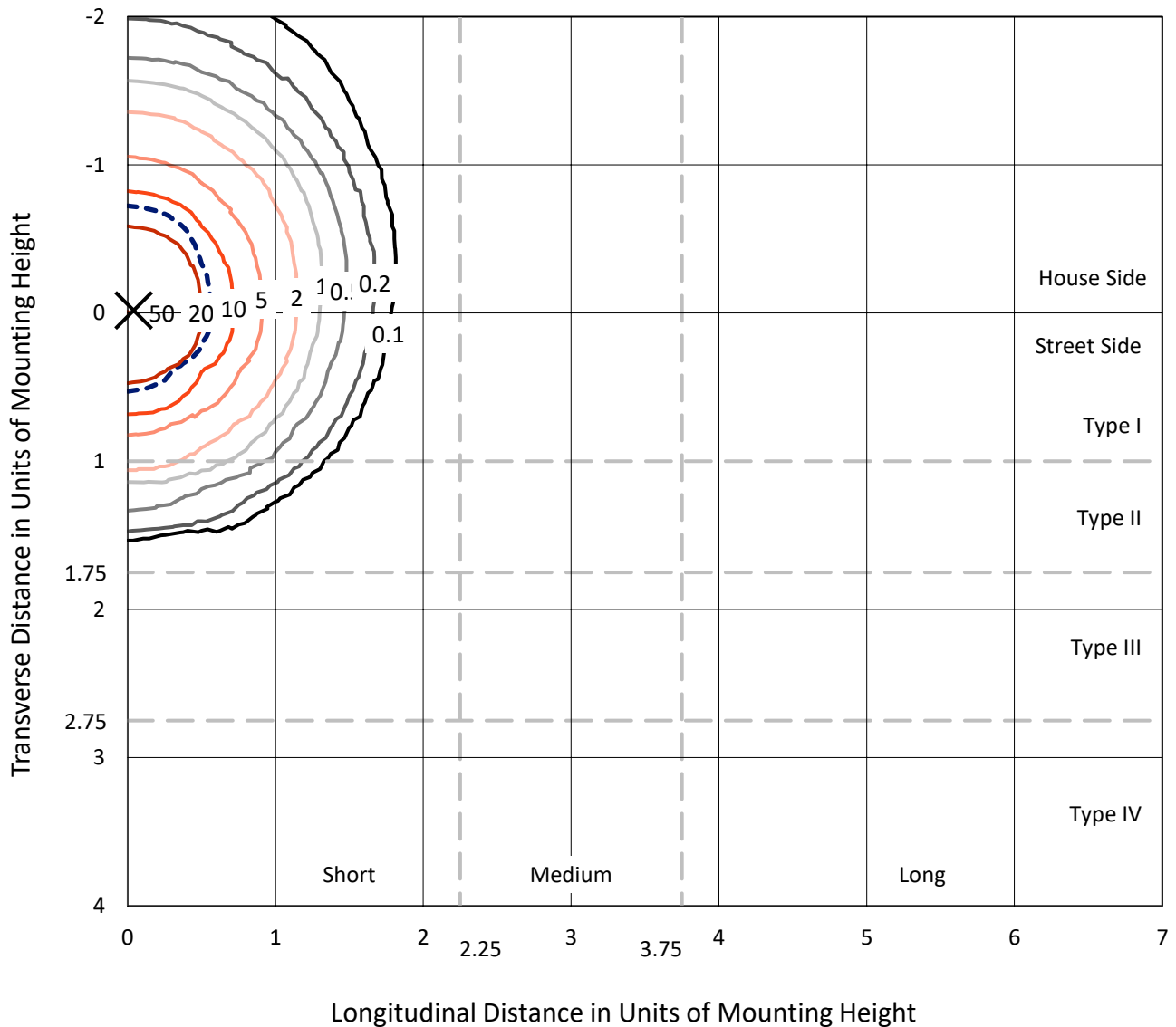
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

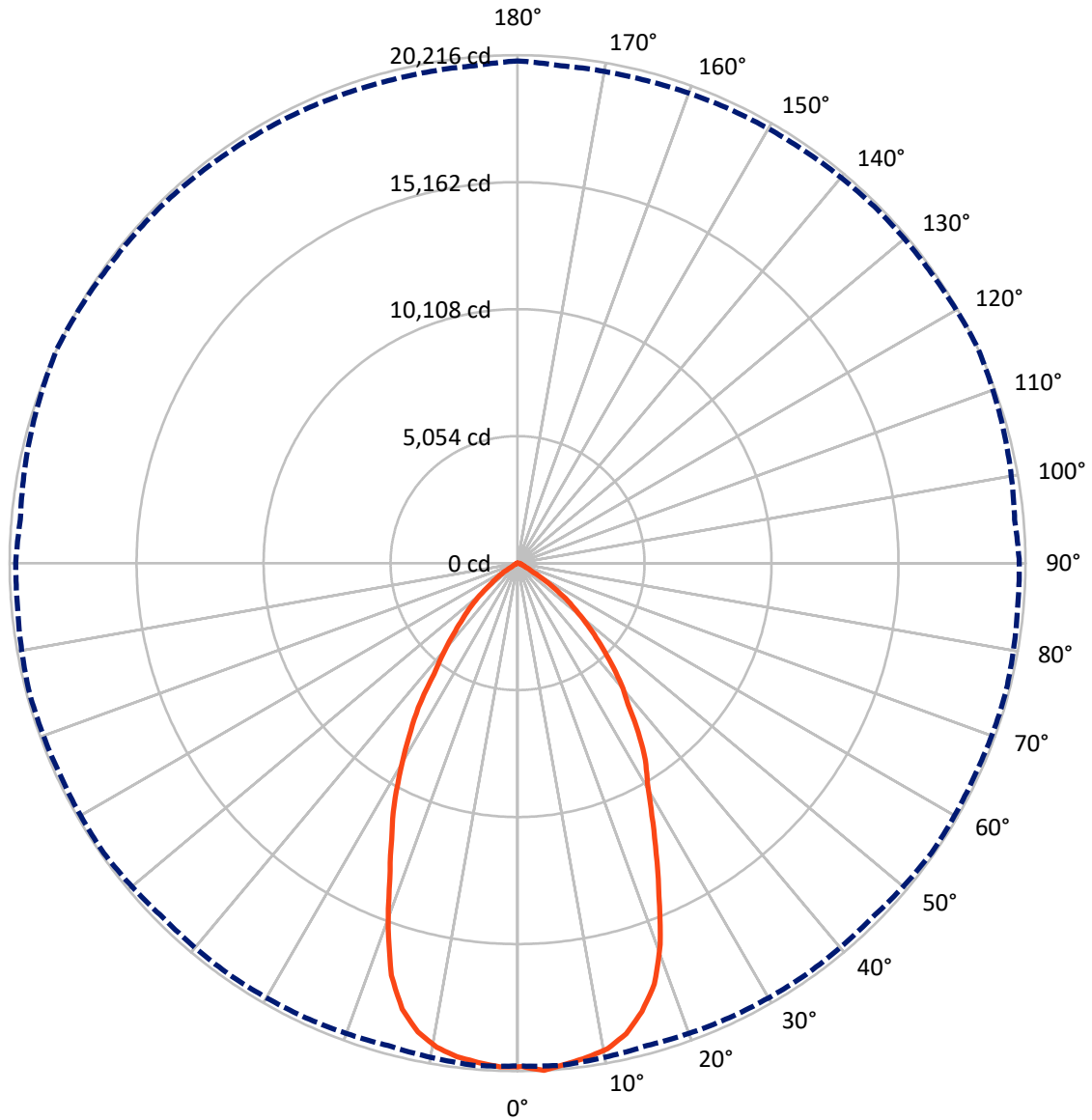
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 50.1 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	12927.9	0.0	12927.9
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	9662.0	0.0	9662.0
	% Fixture	42.8	0.0	42.8
Total	Lumens	22589.9	0.0	22589.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1887.8	8.4
10°-20°	5005.4	22.2
20°-30°	5725.2	25.3
30°-40°	4906.3	21.7
40°-50°	3244.3	14.4
50°-60°	1415.6	6.3
60°-70°	278.1	1.2
70°-80°	100.3	0.4
80°-90°	26.7	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°	22589.9	100.0
0°-180°	22589.9	100.0



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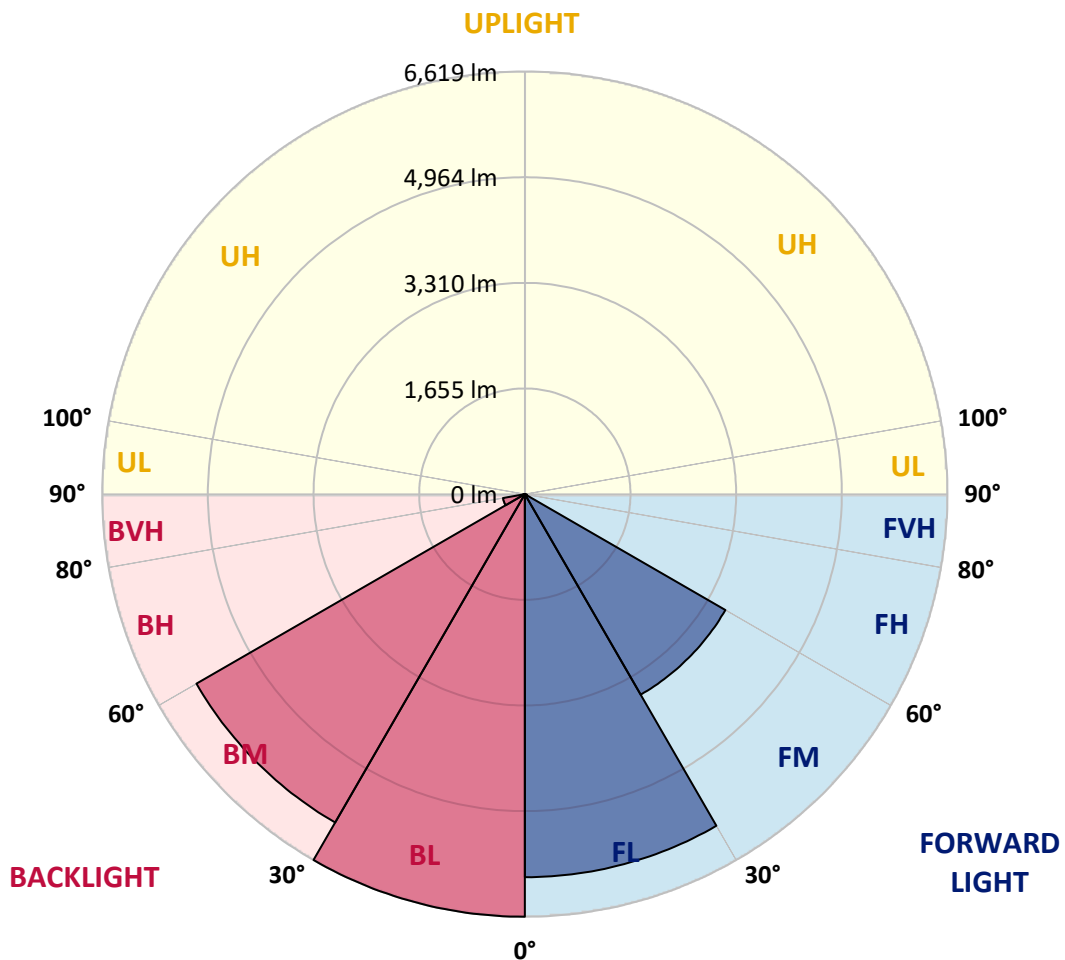
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5999.4	26.6			
FM (30°-60°)	3627.4	16.1			
FH (60°-80°)	30.7	0.1			G0/660
FVH (80°-90°)	4.4	0.0			G0/10
BL (0°-30°)	6619.1	29.3	B5		
BM (30°-60°)	5938.8	26.3	B4/8500		
BH (60°-80°)	347.8	1.5	B1/500		G1/500
BVH (80°-90°)	22.3	0.1			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°	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9
2.5°	20014.1	20062.1	19879.6	19961.3	19994.9	19951.7	20110.1	20062.1	20100.5	19980.5
5°	20014.1	20062.1	19850.8	19889.3	19898.9	19817.2	19990.1	19932.5	19937.3	19812.4
7.5°	19889.3	19946.9	19754.8	19783.6	19788.4	19721.2	19870.0	19788.4	19759.6	19630.0
10°	19553.1	19586.7	19413.9	19485.9	19553.1	19490.7	19620.3	19529.1	19529.1	19413.9
12.5°	19020.1	19082.5	18890.5	18976.9	19034.5	18962.5	19111.4	19077.7	19082.5	18967.3
15°	18050.1	17834.1	18064.5	18237.4	18242.2	18227.8	18367.1	18333.5	18357.5	18184.6
17.5°	13334.7	13281.9	13550.8	15591.6	17109.0	17315.5	17339.5	17157.0	17075.4	16907.3
20°	12355.2	12393.6	12335.9	12345.5	13541.2	16023.8	15874.9	15423.5	15217.1	15049.0
22.5°	11639.7	11577.3	11538.8	11514.8	11548.4	13166.7	14237.5	13555.6	13445.2	13363.5
25°	10861.8	10833.0	10784.9	10775.3	10756.1	10482.4	12023.8	12086.2	11908.6	11807.7
27.5°	10136.7	10117.5	10064.7	10059.9	9839.0	9176.3	9344.4	10828.2	10780.1	10741.7
30°	9363.6	9325.2	9296.4	9296.4	8628.9	7947.1	7673.4	9440.4	9440.4	9406.8
32.5°	8523.3	8489.7	8499.3	8384.0	7586.9	6962.7	6530.5	8148.7	8652.9	8624.1
35°	5210.0	5200.4	6175.2	7457.3	6520.9	5954.3	5925.5	6972.3	7707.0	7783.8
37.5°	4638.6	4609.8	4624.2	4705.8	5584.5	5358.9	5349.3	5526.9	6559.3	6597.7
40°	4163.2	4144.0	4129.6	3836.7	3558.2	4782.6	4749.0	4633.8	5603.8	5671.0
42.5°	3711.8	3692.6	3692.6	3279.7	2828.3	3932.7	3947.1	3812.7	4725.0	4749.0
45°	3246.0	3231.6	3150.0	2617.0	2487.4	2612.2	3270.1	3116.4	3750.2	3999.9
47.5°	1531.8	1522.2	2204.0	2175.2	2165.6	2088.8	2497.0	2583.4	2977.1	3226.8
50°	1229.3	1219.7	1162.0	1022.8	1781.5	1584.6	1800.7	1988.0	2112.8	2343.3
52.5°	1018.0	1008.4	888.3	787.5	989.2	1157.2	1075.6	1330.1	1325.3	1575.0
55°	667.5	619.4	681.9	643.4	518.6	840.3	821.1	1008.4	984.4	1200.5
57.5°	14.4	14.4	33.6	364.9	326.5	355.3	470.6	576.2	648.2	710.7
60°	4.8	4.8	9.6	19.2	134.5	148.9	182.5	211.3	297.7	369.7
62.5°	0.0	0.0	4.8	9.6	19.2	76.8	86.4	100.8	139.3	192.1
65°	0.0	0.0	0.0	4.8	9.6	19.2	28.8	62.4	86.4	110.4
67.5°	0.0	0.0	0.0	4.8	4.8	9.6	19.2	28.8	38.4	76.8
70°	0.0	0.0	0.0	4.8	4.8	9.6	14.4	19.2	28.8	38.4
72.5°	0.0	0.0	0.0	4.8	4.8	14.4	9.6	14.4	19.2	24.0
75°	0.0	0.0	0.0	4.8	4.8	4.8	9.6	14.4	14.4	19.2
77.5°	0.0	0.0	0.0	4.8	9.6	9.6	9.6	9.6	9.6	14.4
80°	0.0	0.0	0.0	4.8	4.8	9.6	14.4	19.2	9.6	9.6
82.5°	0.0	0.0	0.0	9.6	4.8	19.2	28.8	24.0	9.6	4.8
85°	0.0	0.0	0.0	4.8	19.2	24.0	24.0	14.4	4.8	4.8
87.5°	0.0	0.0	0.0	4.8	4.8	9.6	14.4	14.4	4.8	4.8
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°
20042.9	0°	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9	20042.9
19970.9	2.5°	19860.4	20047.7	20215.8	20110.1	20071.7	19994.9	19937.3	19874.8	19870.0
19798.0	5°	19687.6	19865.2	20028.5	19903.7	19913.3	19874.8	19836.4	19822.0	19831.6
19620.3	7.5°	19538.7	19687.6	19865.2	19759.6	19788.4	19764.4	19745.2	19716.4	19759.6
19389.9	10°	19313.0	19447.5	19654.0	19553.1	19538.7	19514.7	19495.5	19442.7	19466.7
18972.1	12.5°	18818.4	18986.5	19221.8	19106.5	19145.0	19077.7	19048.9	19015.3	19020.1
18247.0	15°	18146.2	18275.8	18515.9	18424.7	18453.5	18410.3	18410.3	18410.3	18443.9
16931.3	17.5°	16974.5	17238.6	17618.0	17502.7	17545.9	17555.6	17545.9	17579.6	17622.8
15058.6	20°	15068.2	15519.6	16211.0	16436.7	16528.0	16532.8	16465.5	16547.2	16633.6
13305.9	22.5°	13315.5	13790.9	14400.7	15020.2	15404.3	15385.1	15394.7	15447.5	15538.8
11745.3	25°	11798.1	12254.3	12806.5	13358.7	14199.1	14371.9	14376.7	14424.7	14496.8
10679.3	27.5°	10703.3	10881.0	11385.2	11942.2	12844.9	13397.2	13368.3	13411.6	13488.4
9344.4	30°	9382.8	10064.7	10179.9	10520.8	11298.7	12311.9	12316.7	12364.8	12441.6
8556.9	32.5°	8532.9	8984.3	9339.6	9349.2	10011.9	11053.9	11260.3	11308.4	11361.2
7740.6	35°	7735.8	7788.6	8268.8	8403.2	8787.4	9819.8	10184.7	10213.5	10300.0
6583.3	37.5°	6693.8	7005.9	7140.3	7620.5	7639.7	8475.3	9200.3	9171.5	9238.8
5666.2	40°	5738.2	6035.9	6376.9	6727.4	6775.4	7399.6	8201.6	8230.4	8259.2
4701.0	42.5°	4739.4	5118.8	5469.3	5704.6	6031.1	6391.3	7154.8	7289.2	7356.4
4028.7	45°	4100.8	4206.4	4624.2	4969.9	5301.2	5469.3	6184.8	6429.7	6472.9
3188.4	47.5°	3231.6	3587.0	3870.3	4163.2	4576.2	4725.0	5243.6	5584.5	5618.2
2367.3	50°	2497.0	2751.5	3140.4	3404.5	3884.7	3966.3	4321.7	4763.4	4806.6
1584.6	52.5°	1786.3	2132.0	2511.4	2765.9	3226.8	3332.5	3596.6	4019.1	4048.0
1214.9	55°	1282.1	1507.8	1819.9	2184.8	2521.0	2756.3	2938.7	3342.1	3380.5
797.1	57.5°	873.9	1085.2	1214.9	1579.8	1781.5	2036.0	2184.8	2492.2	2521.0
379.3	60°	417.8	518.6	619.4	801.9	931.6	1147.6	1243.7	1368.5	1402.1
230.5	62.5°	268.9	316.9	403.4	480.2	605.0	739.5	777.9	883.5	922.0
144.1	65°	177.7	225.7	316.9	336.1	461.0	566.6	614.6	691.5	734.7
86.4	67.5°	100.8	158.5	235.3	278.5	364.9	465.8	518.6	585.8	624.2
57.6	70°	67.2	129.6	187.3	230.5	288.1	374.5	441.8	499.4	523.4
28.8	72.5°	38.4	81.6	129.6	182.5	230.5	312.1	374.5	422.6	278.5
19.2	75°	24.0	62.4	110.4	153.7	192.1	249.7	302.5	297.7	124.8
14.4	77.5°	19.2	48.0	96.0	129.6	158.5	172.9	216.1	244.9	96.0
9.6	80°	14.4	38.4	86.4	110.4	62.4	124.8	168.1	182.5	67.2
9.6	82.5°	9.6	24.0	72.0	76.8	43.2	91.2	134.5	120.0	48.0
4.8	85°	4.8	14.4	24.0	43.2	38.4	43.2	33.6	48.0	33.6
4.8	87.5°	4.8	9.6	19.2	19.2	19.2	14.4	19.2	19.2	19.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
20042.9
19985.3
19951.7
19879.6
19581.9
19159.4
18458.3
17766.8
16691.2
15553.2
14621.6
13560.4
12576.0
11481.2
10391.2
9320.4
8350.4
7452.5
6578.5
5699.8
4869.1
4100.8
3414.1
2578.6
1440.6
931.6
734.7
619.4
518.6
225.7
124.8
96.0
72.0
48.0
33.6
19.2
0.0

(END OF REPORT)