

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: P636585

Luminaire Tested: **IFLD-L-SA7C-927-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636585
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-927-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22346.4 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

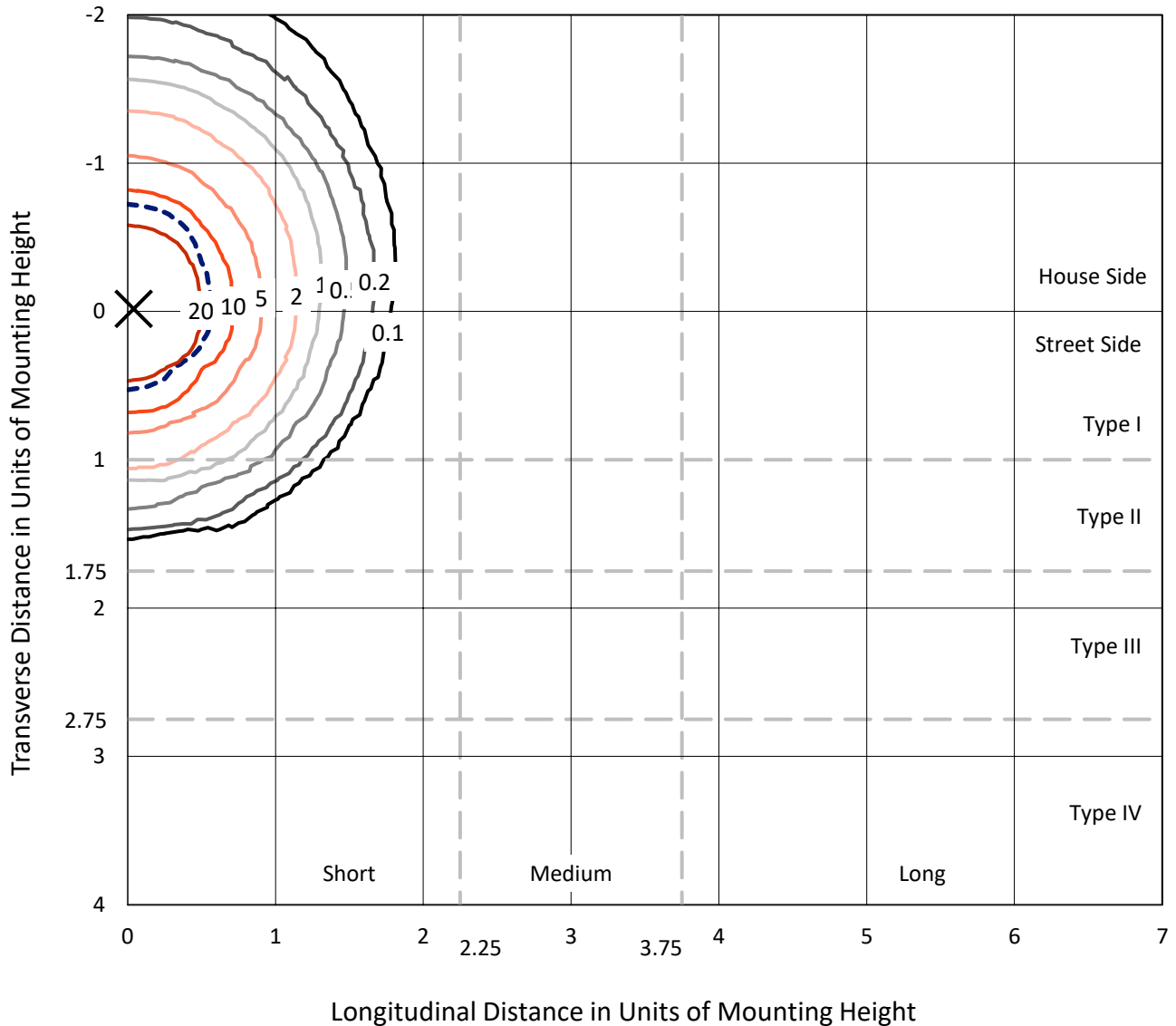
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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 CATALOG NUMBER: IFLD-L-SA7C-927-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

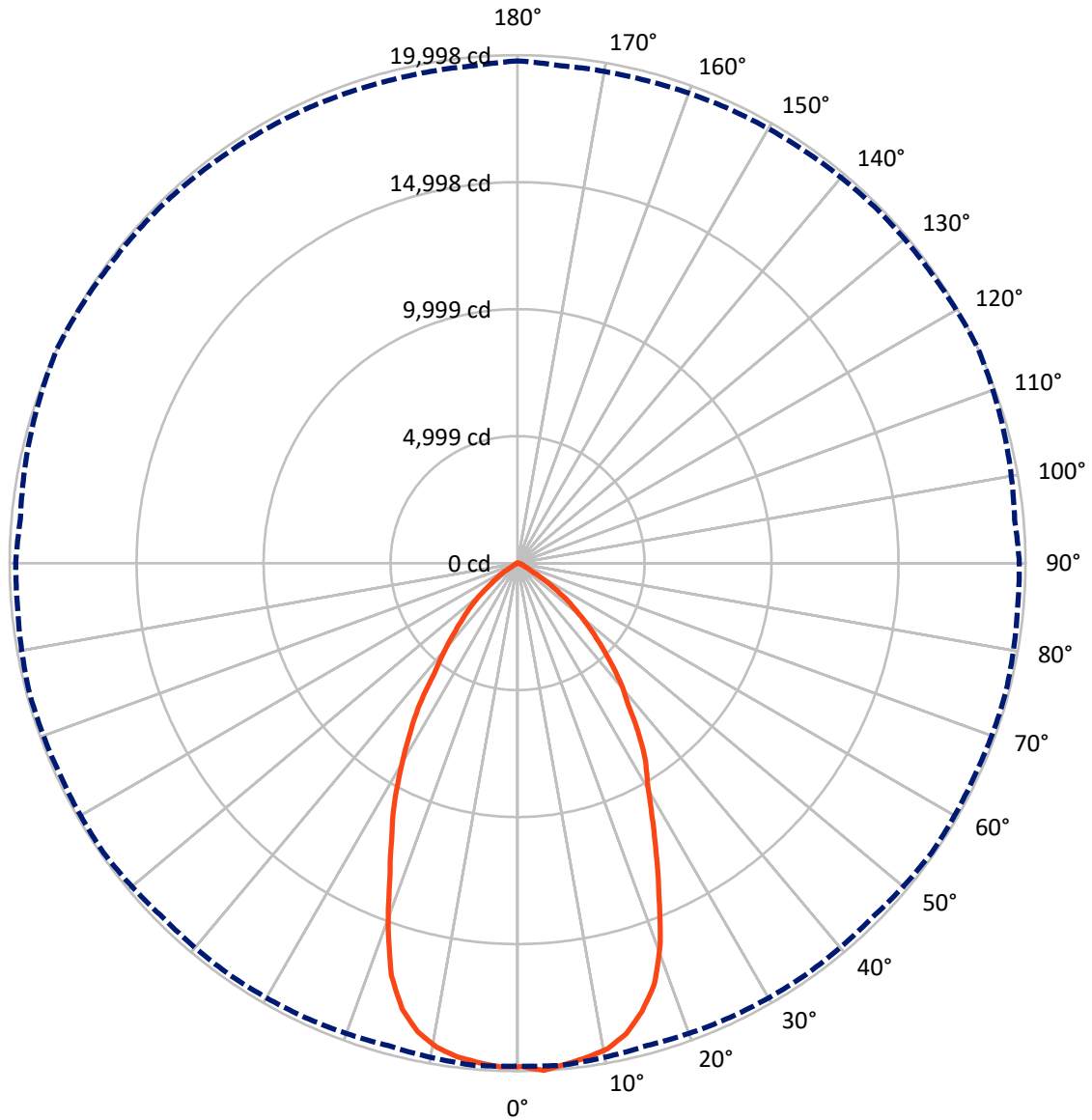
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 49.6 fc
 Type I - Short - N/A

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CATALOG NUMBER: IFLD-L-SA7C-927-U-66-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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CATALOG NUMBER: IFLD-L-SA7C-927-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12788.5	0.0	12788.5
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	9557.8	0.0	9557.8
	% Fixture	42.8	0.0	42.8
Total	Lumens	22346.4	0.0	22346.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1867.4	8.4
10°-20°	4951.5	22.2
20°-30°	5663.5	25.3
30°-40°	4853.4	21.7
40°-50°	3209.3	14.4
50°-60°	1400.4	6.3
60°-70°	275.2	1.2
70°-80°	99.3	0.4
80°-90°	26.4	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°	22346.4	100.0
0°-180°	22346.4	100.0



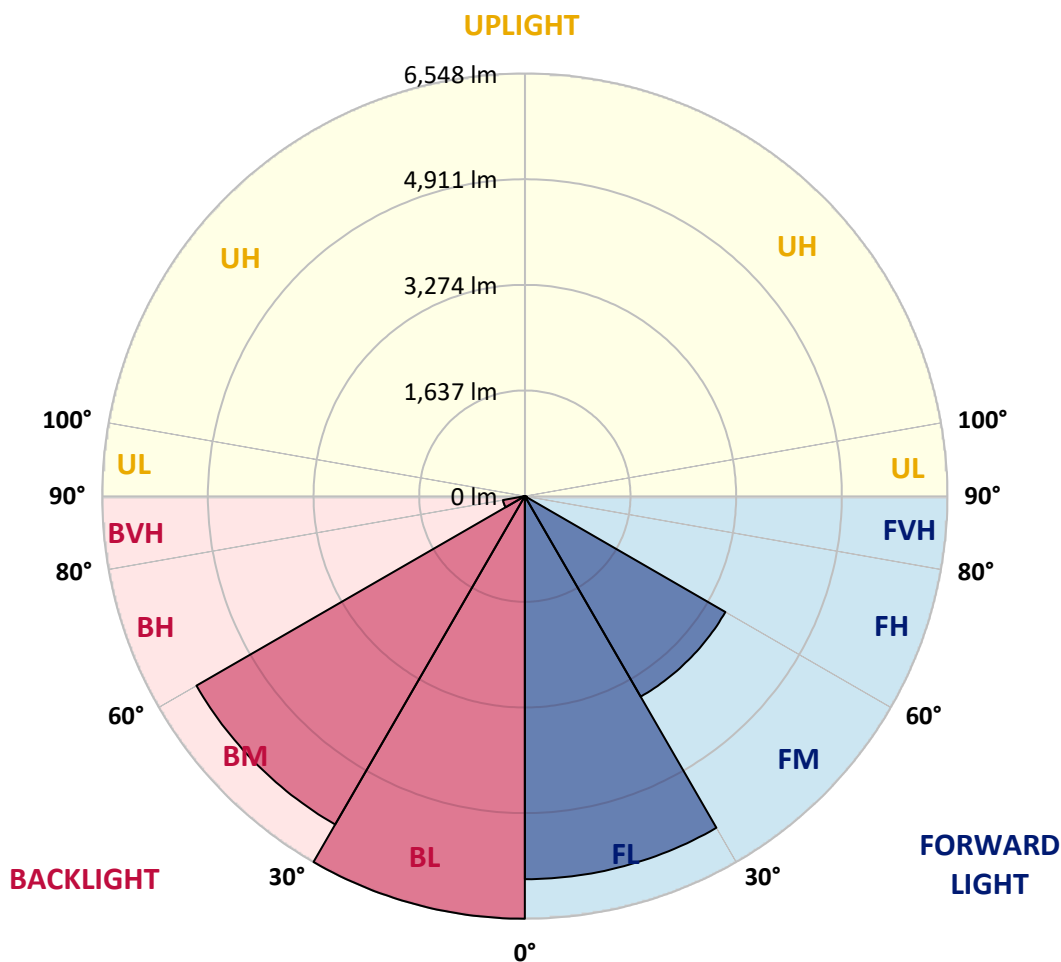
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5934.7	26.6			
FM (30°-60°)	3588.3	16.1			
FH (60°-80°)	30.4	0.1			G0/660
FVH (80°-90°)	4.4	0.0			G0/10
BL (0°-30°)	6547.7	29.3	B5		
BM (30°-60°)	5874.8	26.3	B4/8500		
BH (60°-80°)	344.0	1.5	B1/500		G1/500
BVH (80°-90°)	22.0	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





REPORT NUMBER: P636585
 CATALOG NUMBER: IFLD-L-SA7C-927-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8
2.5°	19798.3	19845.8	19665.3	19746.1	19779.3	19736.6	19893.3	19845.8	19883.8	19765.1
5°	19798.3	19845.8	19636.8	19674.8	19684.3	19603.6	19774.6	19717.6	19722.3	19598.8
7.5°	19674.8	19731.8	19541.8	19570.3	19575.1	19508.6	19655.8	19575.1	19546.6	19418.3
10°	19342.3	19375.6	19204.6	19275.8	19342.3	19280.6	19408.8	19318.6	19318.6	19204.6
12.5°	18815.1	18876.8	18686.8	18772.3	18829.3	18758.1	18905.3	18872.1	18876.8	18762.8
15°	17855.5	17641.8	17869.8	18040.8	18045.5	18031.3	18169.0	18135.8	18159.5	17988.5
17.5°	13191.0	13138.7	13404.7	15423.5	16924.5	17128.8	17152.5	16972.0	16891.3	16725.0
20°	12221.9	12259.9	12202.9	12212.4	13395.2	15851.0	15703.8	15257.2	15053.0	14886.7
22.5°	11514.2	11452.4	11414.4	11390.7	11423.9	13024.7	14084.0	13409.5	13300.2	13219.5
25°	10744.7	10716.2	10668.7	10659.2	10640.2	10369.4	11894.2	11955.9	11780.2	11680.4
27.5°	10027.4	10008.4	9956.2	9951.4	9732.9	9077.4	9243.7	10711.4	10663.9	10625.9
30°	9262.7	9224.7	9196.1	9196.1	8535.9	7861.4	7590.6	9338.7	9338.7	9305.4
32.5°	8431.4	8398.1	8407.6	8293.6	7505.1	6887.6	6460.1	8060.9	8559.6	8531.1
35°	5153.8	5144.3	6108.6	7376.9	6450.6	5890.1	5861.6	6897.1	7623.9	7699.9
37.5°	4588.6	4560.1	4574.3	4655.1	5524.3	5301.1	5291.6	5467.3	6488.6	6526.6
40°	4118.3	4099.3	4085.1	3795.3	3519.8	4731.1	4697.8	4583.8	5543.3	5609.8
42.5°	3671.8	3652.8	3652.8	3244.3	2797.8	3890.3	3904.6	3771.6	4674.1	4697.8
45°	3211.1	3196.8	3116.1	2588.8	2460.5	2584.0	3234.8	3082.8	3709.8	3956.8
47.5°	1515.3	1505.8	2180.3	2151.8	2142.3	2066.3	2470.0	2555.5	2945.0	3192.1
50°	1216.0	1206.5	1149.5	1011.8	1762.3	1567.5	1781.3	1966.5	2090.0	2318.0
52.5°	1007.0	997.5	878.8	779.0	978.5	1144.8	1064.0	1315.8	1311.0	1558.0
55°	660.3	612.8	674.5	636.5	513.0	831.3	812.3	997.5	973.8	1187.5
57.5°	14.3	14.3	33.3	361.0	323.0	351.5	465.5	570.0	641.3	703.0
60°	4.8	4.8	9.5	19.0	133.0	147.3	180.5	209.0	294.5	365.8
62.5°	0.0	0.0	4.8	9.5	19.0	76.0	85.5	99.8	137.8	190.0
65°	0.0	0.0	0.0	4.8	9.5	19.0	28.5	61.8	85.5	109.3
67.5°	0.0	0.0	0.0	4.8	4.8	9.5	19.0	28.5	38.0	76.0
70°	0.0	0.0	0.0	4.8	4.8	9.5	14.3	19.0	28.5	38.0
72.5°	0.0	0.0	0.0	4.8	4.8	14.3	9.5	14.3	19.0	23.8
75°	0.0	0.0	0.0	4.8	4.8	4.8	9.5	14.3	14.3	19.0
77.5°	0.0	0.0	0.0	4.8	9.5	9.5	9.5	9.5	9.5	14.3
80°	0.0	0.0	0.0	4.8	4.8	9.5	14.3	19.0	9.5	9.5
82.5°	0.0	0.0	0.0	9.5	4.8	19.0	28.5	23.8	9.5	4.8
85°	0.0	0.0	0.0	4.8	19.0	23.8	23.8	14.3	4.8	4.8
87.5°	0.0	0.0	0.0	4.8	4.8	9.5	14.3	14.3	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



REPORT NUMBER: P636585

CATALOG NUMBER: IFLD-L-SA7C-927-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
19826.8	0°	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8	19826.8
19755.6	2.5°	19646.3	19831.6	19997.8	19893.3	19855.3	19779.3	19722.3	19660.6	19655.8
19584.6	5°	19475.3	19651.1	19812.6	19689.1	19698.6	19660.6	19622.6	19608.3	19617.8
19408.8	7.5°	19328.1	19475.3	19651.1	19546.6	19575.1	19551.3	19532.3	19503.8	19546.6
19180.8	10°	19104.8	19237.8	19442.1	19342.3	19328.1	19304.3	19285.3	19233.1	19256.8
18767.6	12.5°	18615.6	18781.8	19014.6	18900.6	18938.6	18872.1	18843.6	18810.3	18815.1
18050.3	15°	17950.5	18078.8	18316.3	18226.0	18254.5	18211.8	18211.8	18211.8	18245.0
16748.8	17.5°	16791.5	17052.8	17428.0	17314.0	17356.8	17366.3	17356.8	17390.0	17432.8
14896.2	20°	14905.7	15352.2	16036.3	16259.5	16349.8	16354.5	16288.0	16368.8	16454.3
13162.5	22.5°	13172.0	13642.2	14245.5	14858.2	15238.2	15219.2	15228.7	15281.0	15371.2
11618.7	25°	11670.9	12122.2	12668.5	13214.7	14046.0	14217.0	14221.7	14269.2	14340.5
10564.2	27.5°	10587.9	10763.7	11262.4	11813.4	12706.5	13252.7	13224.2	13267.0	13343.0
9243.7	30°	9281.7	9956.2	10070.2	10407.4	11176.9	12179.2	12183.9	12231.4	12307.5
8464.6	32.5°	8440.9	8887.4	9238.9	9248.4	9903.9	10934.7	11138.9	11186.4	11238.7
7657.1	35°	7652.4	7704.6	8179.6	8312.6	8692.6	9713.9	10074.9	10103.4	10188.9
6512.4	37.5°	6621.6	6930.4	7063.4	7538.4	7557.4	8383.9	9101.1	9072.6	9139.1
5605.1	40°	5676.3	5970.8	6308.1	6654.9	6702.4	7319.9	8113.1	8141.6	8170.1
4650.3	42.5°	4688.3	5063.6	5410.3	5643.1	5966.1	6322.4	7077.6	7210.6	7277.1
3985.3	45°	4056.6	4161.1	4574.3	4916.3	5244.1	5410.3	6118.1	6360.4	6403.1
3154.1	47.5°	3196.8	3548.3	3828.6	4118.3	4526.8	4674.1	5187.1	5524.3	5557.6
2341.8	50°	2470.0	2721.8	3106.6	3367.8	3842.8	3923.6	4275.1	4712.1	4754.8
1567.5	52.5°	1767.0	2109.0	2484.3	2736.0	3192.1	3296.6	3557.8	3975.8	4004.3
1201.8	55°	1268.3	1491.5	1800.3	2161.3	2493.8	2726.5	2907.0	3306.1	3344.1
788.5	57.5°	864.5	1073.5	1201.8	1562.8	1762.3	2014.0	2161.3	2465.3	2493.8
375.3	60°	413.3	513.0	612.8	793.3	921.5	1135.3	1230.3	1353.8	1387.0
228.0	62.5°	266.0	313.5	399.0	475.0	598.5	731.5	769.5	874.0	912.0
142.5	65°	175.8	223.3	313.5	332.5	456.0	560.5	608.0	684.0	726.8
85.5	67.5°	99.8	156.8	232.8	275.5	361.0	460.8	513.0	579.5	617.5
57.0	70°	66.5	128.3	185.3	228.0	285.0	370.5	437.0	494.0	517.8
28.5	72.5°	38.0	80.8	128.3	180.5	228.0	308.8	370.5	418.0	275.5
19.0	75°	23.8	61.8	109.3	152.0	190.0	247.0	299.3	294.5	123.5
14.3	77.5°	19.0	47.5	95.0	128.3	156.8	171.0	213.8	242.3	95.0
9.5	80°	14.3	38.0	85.5	109.3	61.8	123.5	166.3	180.5	66.5
9.5	82.5°	9.5	23.8	71.3	76.0	42.8	90.3	133.0	118.8	47.5
4.8	85°	4.8	14.3	23.8	42.8	38.0	42.8	33.3	47.5	33.3
4.8	87.5°	4.8	9.5	19.0	19.0	19.0	14.3	19.0	19.0	19.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
19826.8
19769.8
19736.6
19665.3
19370.8
18952.8
18259.3
17575.3
16511.3
15385.5
14464.0
13414.2
12440.5
11357.4
10279.2
9219.9
8260.4
7372.1
6507.6
5638.3
4816.6
4056.6
3377.3
2550.8
1425.0
921.5
726.8
612.8
513.0
223.3
123.5
95.0
71.3
47.5
33.3
19.0
0.0

(END OF REPORT)