

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: P636623

Luminaire Tested: **IFLD-S-SA2C-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636623
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7514.4 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

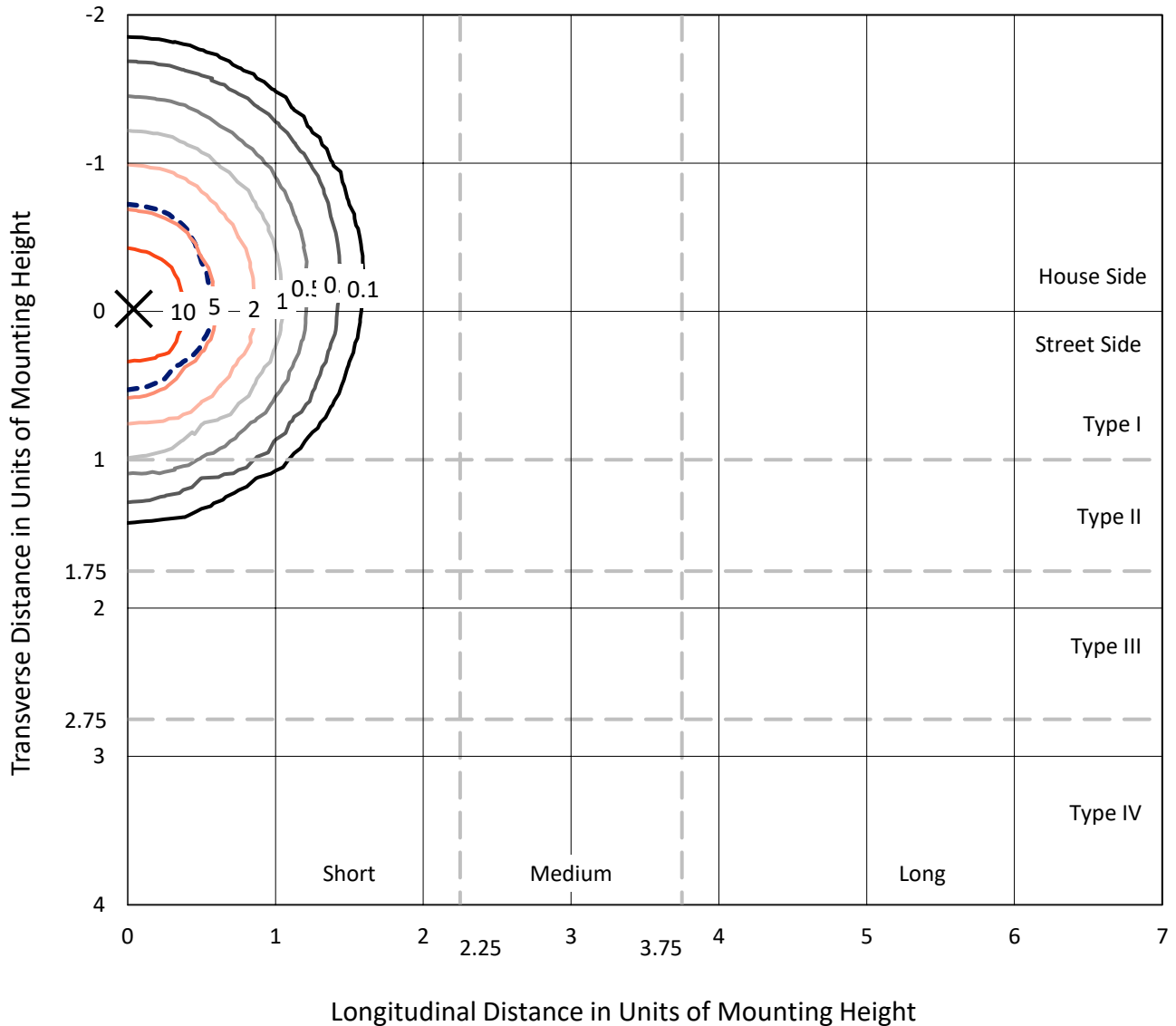
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

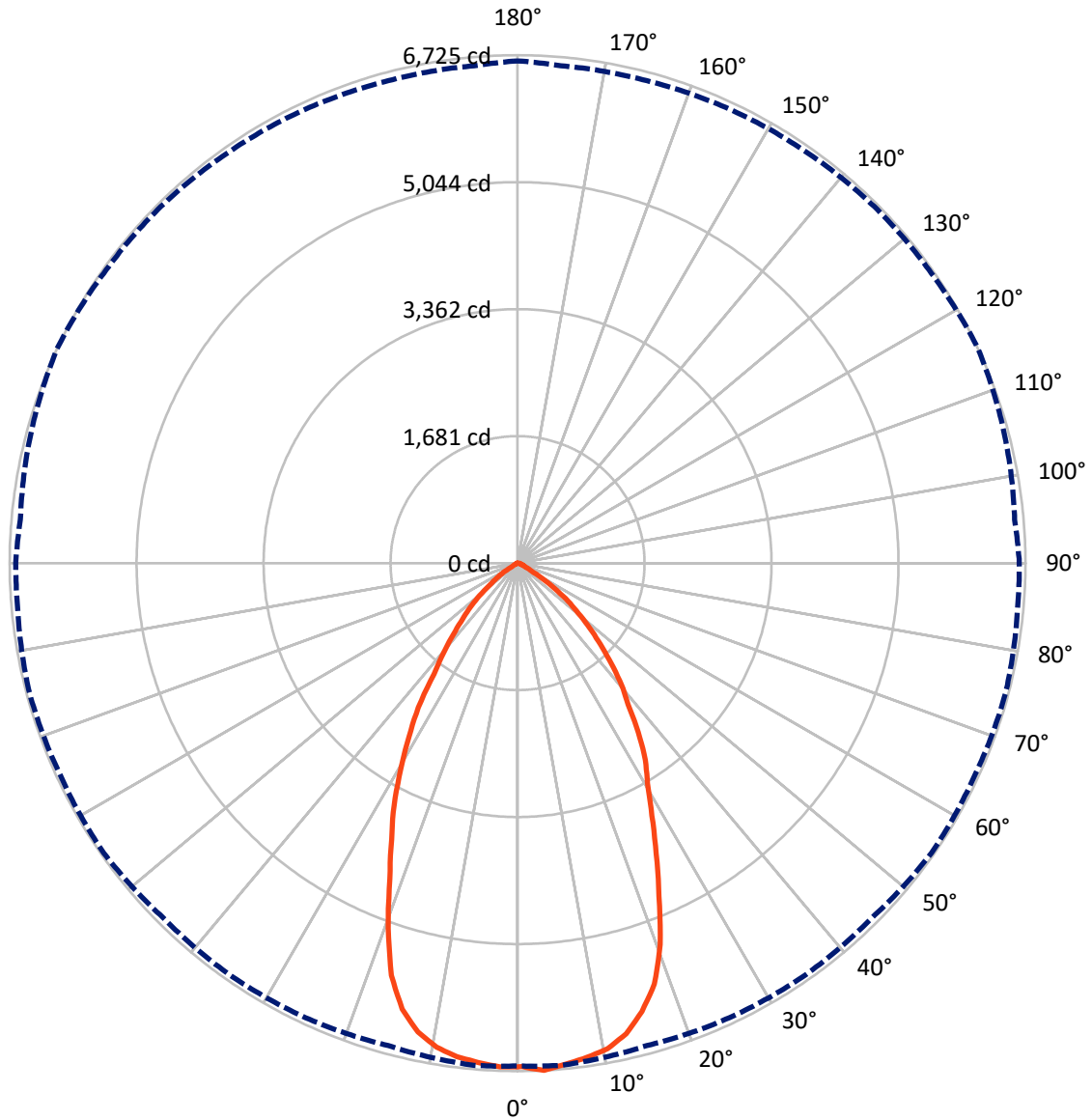
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 16.7 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	4300.4	0.0	4300.4
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	3214.0	0.0	3214.0
	% Fixture	42.8	0.0	42.8
Total	Lumens	7514.4	0.0	7514.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.0	8.4
10°-20°	1665.0	22.2
20°-30°	1904.5	25.3
30°-40°	1632.1	21.7
40°-50°	1079.2	14.4
50°-60°	470.9	6.3
60°-70°	92.5	1.2
70°-80°	33.4	0.4
80°-90°	8.9	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°	7514.4	100.0
0°-180°	7514.4	100.0



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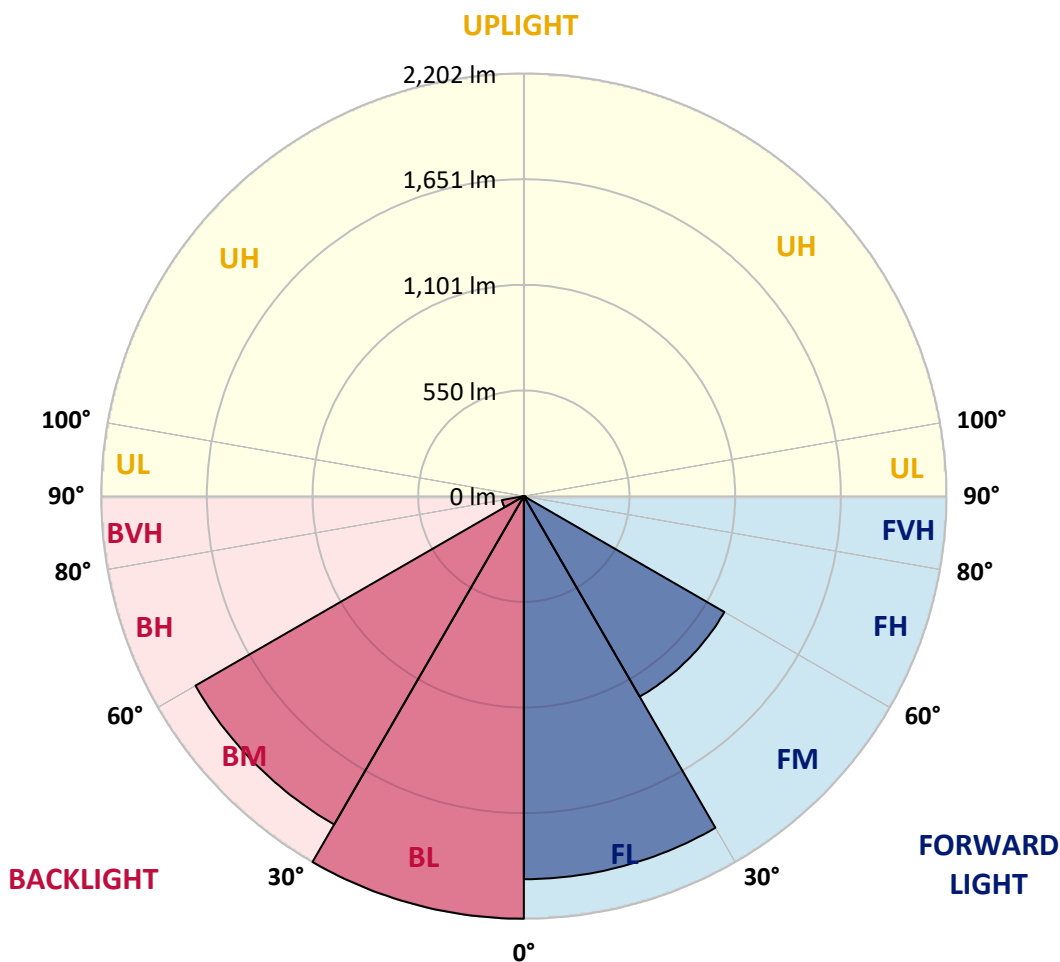
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1995.7	26.6			
FM (30°-60°)	1206.6	16.1			
FH (60°-80°)	10.2	0.1			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	2201.8	29.3	B3/2500		
BM (30°-60°)	1975.5	26.3	B2/2500		
BH (60°-80°)	115.7	1.5	B1/500		G1/500
BVH (80°-90°)	7.4	0.1			G0/10
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°	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2
2.5°	6657.6	6673.5	6612.8	6640.0	6651.2	6636.8	6689.5	6673.5	6686.3	6646.4
5°	6657.6	6673.5	6603.3	6616.0	6619.2	6592.1	6649.6	6630.4	6632.0	6590.5
7.5°	6616.0	6635.2	6571.3	6580.9	6582.5	6560.1	6609.7	6582.5	6572.9	6529.8
10°	6504.2	6515.4	6457.9	6481.9	6504.2	6483.5	6526.6	6496.2	6496.2	6457.9
12.5°	6326.9	6347.7	6283.8	6312.6	6331.7	6307.8	6357.3	6346.1	6347.7	6309.4
15°	6004.3	5932.4	6009.1	6066.6	6068.2	6063.4	6109.7	6098.5	6106.5	6049.0
17.5°	4435.7	4418.2	4507.6	5186.5	5691.2	5759.9	5767.9	5707.2	5680.0	5624.1
20°	4109.9	4122.6	4103.5	4106.7	4504.4	5330.2	5280.7	5130.5	5061.9	5006.0
22.5°	3871.9	3851.1	3838.3	3830.3	3841.5	4379.8	4736.0	4509.2	4472.5	4445.3
25°	3613.1	3603.5	3587.6	3584.4	3578.0	3486.9	3999.7	4020.4	3961.3	3927.8
27.5°	3371.9	3365.5	3348.0	3346.4	3272.9	3052.5	3108.4	3601.9	3586.0	3573.2
30°	3114.7	3102.0	3092.4	3092.4	2870.4	2643.5	2552.5	3140.3	3140.3	3129.1
32.5°	2835.2	2824.0	2827.2	2788.9	2523.7	2316.1	2172.3	2710.6	2878.3	2868.8
35°	1733.1	1729.9	2054.1	2480.6	2169.1	1980.7	1971.1	2319.3	2563.7	2589.2
37.5°	1543.0	1533.4	1538.2	1565.4	1857.7	1782.6	1779.4	1838.5	2181.9	2194.7
40°	1384.9	1378.5	1373.7	1276.2	1183.6	1590.9	1579.7	1541.4	1864.1	1886.4
42.5°	1234.7	1228.3	1228.3	1091.0	940.8	1308.2	1313.0	1268.3	1571.7	1579.7
45°	1079.8	1075.0	1047.8	870.5	827.4	868.9	1087.8	1036.7	1247.5	1330.6
47.5°	509.5	506.3	733.2	723.6	720.4	694.8	830.6	859.4	990.3	1073.4
50°	408.9	405.7	386.5	340.2	592.6	527.1	599.0	661.3	702.8	779.5
52.5°	338.6	335.4	295.5	262.0	329.0	385.0	357.8	442.5	440.9	523.9
55°	222.0	206.1	226.8	214.0	172.5	279.5	273.1	335.4	327.4	399.3
57.5°	4.8	4.8	11.2	121.4	108.6	118.2	156.5	191.7	215.6	236.4
60°	1.6	1.6	3.2	6.4	44.7	49.5	60.7	70.3	99.0	123.0
62.5°	0.0	0.0	1.6	3.2	6.4	25.6	28.8	33.5	46.3	63.9
65°	0.0	0.0	0.0	1.6	3.2	6.4	9.6	20.8	28.8	36.7
67.5°	0.0	0.0	0.0	1.6	1.6	3.2	6.4	9.6	12.8	25.6
70°	0.0	0.0	0.0	1.6	1.6	3.2	4.8	6.4	9.6	12.8
72.5°	0.0	0.0	0.0	1.6	1.6	4.8	3.2	4.8	6.4	8.0
75°	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.8	4.8	6.4
77.5°	0.0	0.0	0.0	1.6	3.2	3.2	3.2	3.2	3.2	4.8
80°	0.0	0.0	0.0	1.6	1.6	3.2	4.8	6.4	3.2	3.2
82.5°	0.0	0.0	0.0	3.2	1.6	6.4	9.6	8.0	3.2	1.6
85°	0.0	0.0	0.0	1.6	6.4	8.0	8.0	4.8	1.6	1.6
87.5°	0.0	0.0	0.0	1.6	1.6	3.2	4.8	4.8	1.6	1.6
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°
6667.2	0°	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2	6667.2
6643.2	2.5°	6606.5	6668.8	6724.7	6689.5	6676.7	6651.2	6632.0	6611.3	6609.7
6585.7	5°	6549.0	6608.1	6662.4	6620.8	6624.0	6611.3	6598.5	6593.7	6596.9
6526.6	7.5°	6499.4	6549.0	6608.1	6572.9	6582.5	6574.5	6568.1	6558.5	6572.9
6449.9	10°	6424.4	6469.1	6537.8	6504.2	6499.4	6491.5	6485.1	6467.5	6475.5
6311.0	12.5°	6259.8	6315.8	6394.0	6355.7	6368.5	6346.1	6336.5	6325.3	6326.9
6069.8	15°	6036.2	6079.3	6159.2	6128.9	6138.4	6124.1	6124.1	6124.1	6135.3
5632.1	17.5°	5646.5	5734.3	5860.5	5822.2	5836.6	5839.8	5836.6	5847.7	5862.1
5009.2	20°	5012.3	5162.5	5392.5	5467.6	5497.9	5499.5	5477.2	5504.3	5533.1
4426.1	22.5°	4429.3	4587.5	4790.3	4996.4	5124.2	5117.8	5121.0	5138.5	5168.9
3907.0	25°	3924.6	4076.3	4260.0	4443.7	4723.2	4780.7	4782.3	4798.3	4822.3
3552.4	27.5°	3560.4	3619.5	3787.2	3972.5	4272.8	4456.5	4446.9	4461.3	4486.8
3108.4	30°	3121.1	3348.0	3386.3	3499.7	3758.5	4095.5	4097.1	4113.1	4138.6
2846.4	32.5°	2838.4	2988.6	3106.8	3110.0	3330.4	3677.0	3745.7	3761.7	3779.2
2574.9	35°	2573.3	2590.8	2750.6	2795.3	2923.1	3266.5	3387.9	3397.5	3426.2
2189.9	37.5°	2226.6	2330.5	2375.2	2534.9	2541.3	2819.2	3060.4	3050.9	3073.2
1884.8	40°	1908.8	2007.8	2121.2	2237.8	2253.8	2461.4	2728.2	2737.8	2747.4
1563.8	42.5°	1576.5	1702.7	1819.3	1897.6	2006.2	2126.0	2380.0	2424.7	2447.1
1340.1	45°	1364.1	1399.2	1538.2	1653.2	1763.4	1819.3	2057.3	2138.8	2153.2
1060.6	47.5°	1075.0	1193.2	1287.4	1384.9	1522.2	1571.7	1744.3	1857.7	1868.8
787.5	50°	830.6	915.3	1044.6	1132.5	1292.2	1319.4	1437.6	1584.5	1598.9
527.1	52.5°	594.2	709.2	835.4	920.0	1073.4	1108.5	1196.4	1336.9	1346.5
404.1	55°	426.5	501.6	605.4	726.8	838.6	916.9	977.6	1111.7	1124.5
265.2	57.5°	290.7	361.0	404.1	525.5	592.6	677.3	726.8	829.0	838.6
126.2	60°	139.0	172.5	206.1	266.8	309.9	381.8	413.7	455.2	466.4
76.7	62.5°	89.4	105.4	134.2	159.7	201.3	246.0	258.8	293.9	306.7
47.9	65°	59.1	75.1	105.4	111.8	153.3	188.5	204.5	230.0	244.4
28.8	67.5°	33.5	52.7	78.3	92.6	121.4	154.9	172.5	194.9	207.6
19.2	70°	22.4	43.1	62.3	76.7	95.8	124.6	147.0	166.1	174.1
9.6	72.5°	12.8	27.2	43.1	60.7	76.7	103.8	124.6	140.6	92.6
6.4	75°	8.0	20.8	36.7	51.1	63.9	83.1	100.6	99.0	41.5
4.8	77.5°	6.4	16.0	31.9	43.1	52.7	57.5	71.9	81.5	31.9
3.2	80°	4.8	12.8	28.8	36.7	20.8	41.5	55.9	60.7	22.4
3.2	82.5°	3.2	8.0	24.0	25.6	14.4	30.3	44.7	39.9	16.0
1.6	85°	1.6	4.8	8.0	14.4	12.8	14.4	11.2	16.0	11.2
1.6	87.5°	1.6	3.2	6.4	6.4	6.4	4.8	6.4	6.4	6.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
6667.2
6648.0
6636.8
6612.8
6513.8
6373.3
6140.0
5910.0
5552.2
5173.7
4863.8
4510.8
4183.3
3819.2
3456.6
3100.4
2777.7
2479.0
2188.3
1896.0
1619.7
1364.1
1135.7
857.8
479.2
309.9
244.4
206.1
172.5
75.1
41.5
31.9
24.0
16.0
11.2
6.4
0.0

(END OF REPORT)