

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: P565330

Luminaire Tested: **IFLD-M-SA4A-AMB-U-SL2**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565330
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-SL2
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL2 distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

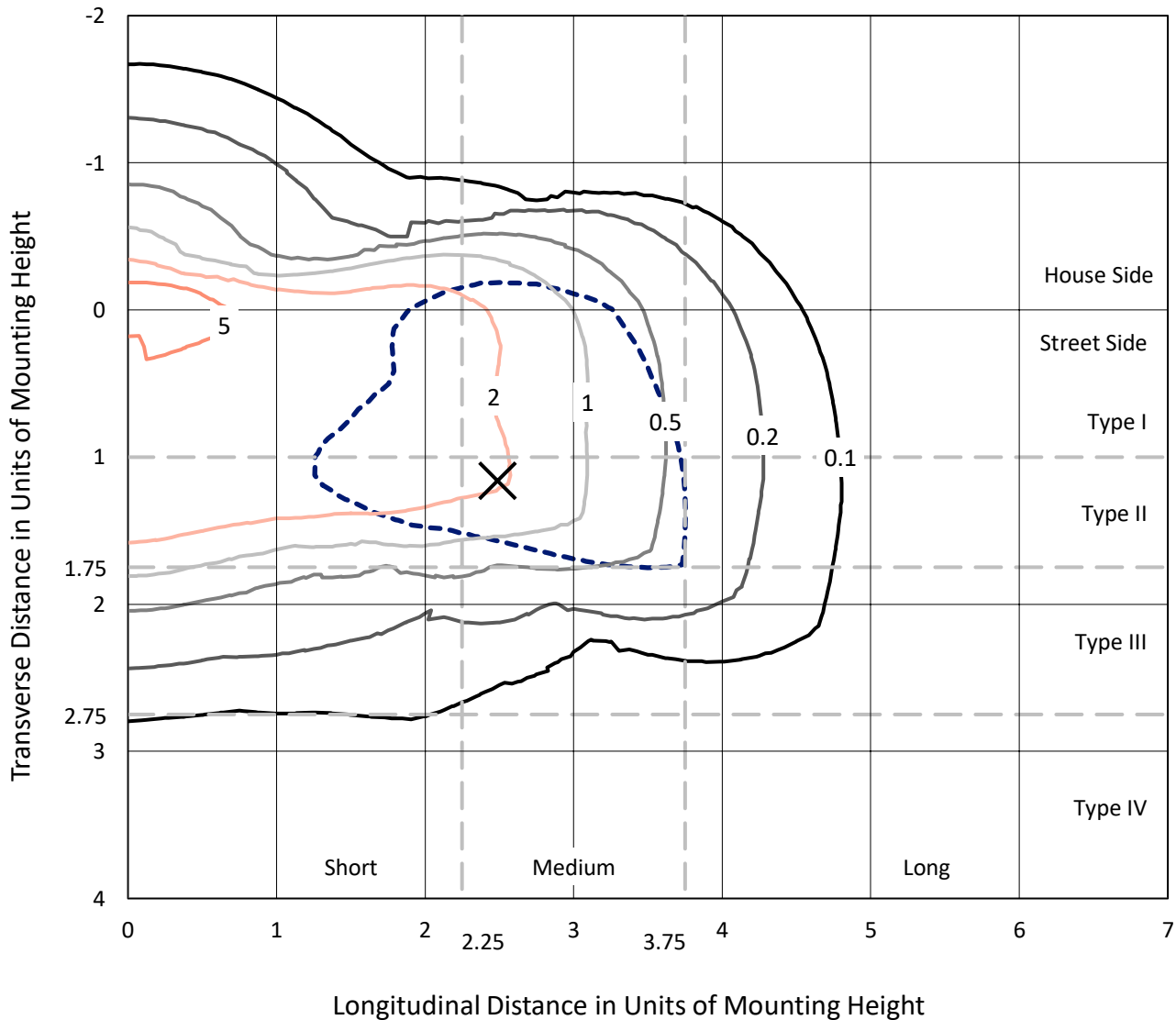
Lumens per Lamp: N/A
Luminaire Lumens: 4375.3 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 83
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

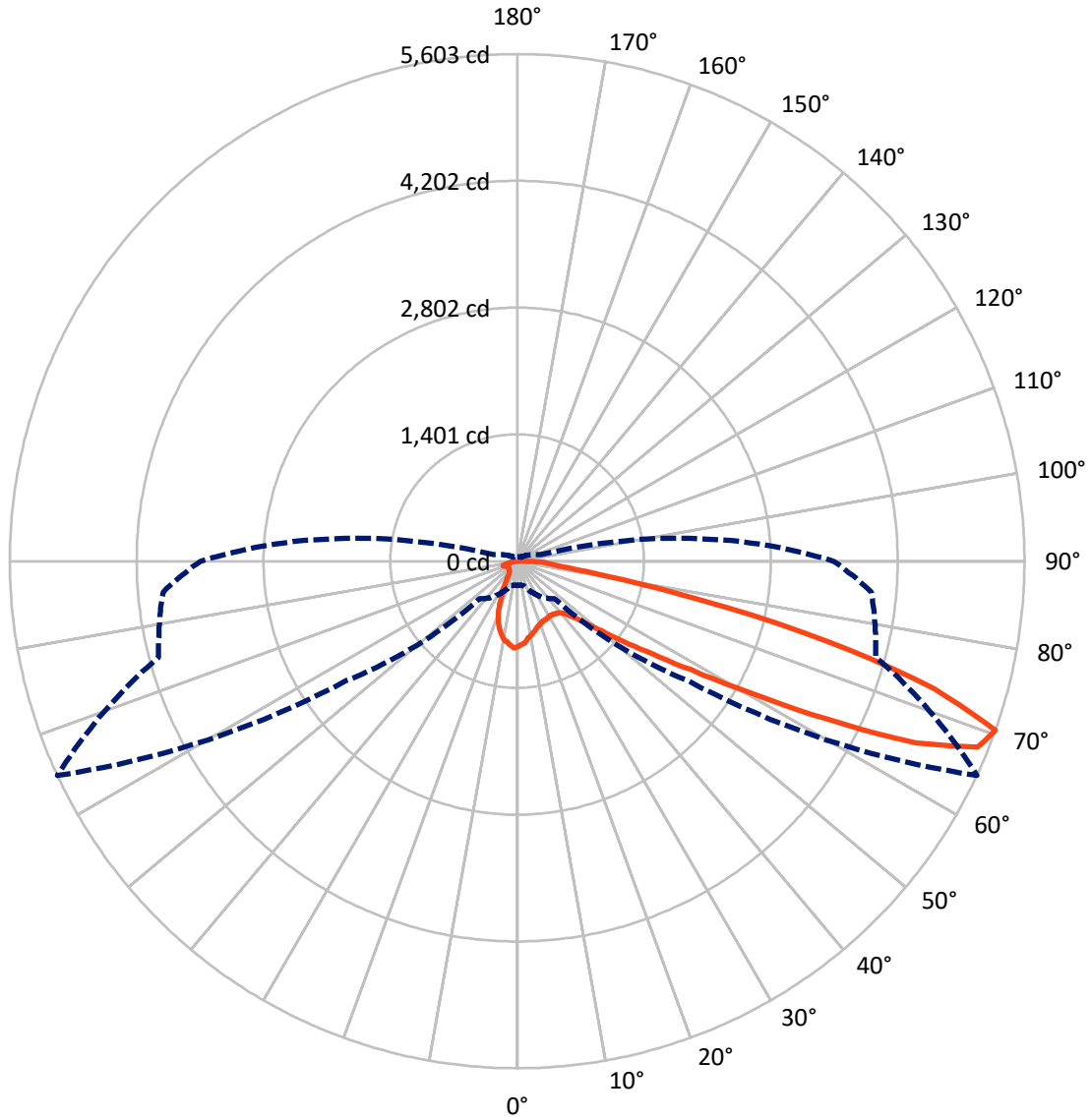
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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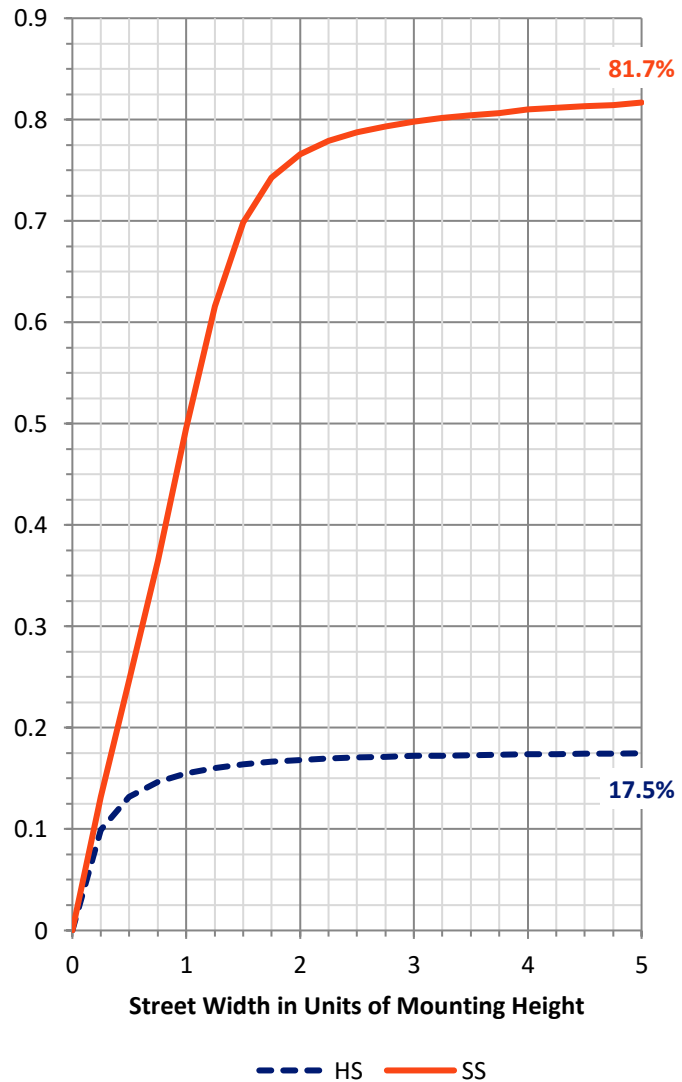
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	772.7	0.0	772.7
	% Fixture	17.7	0.0	17.7
Street Side	Lumens	3602.7	0.0	3602.7
	% Fixture	82.3	0.0	82.3
Total	Lumens	4375.3	0.0	4375.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.8
10°-20°	180.3	4.1
20°-30°	241.4	5.5
30°-40°	334.5	7.6
40°-50°	536.2	12.3
50°-60°	911.1	20.8
60°-70°	1231.9	28.2
70°-80°	751.0	17.2
80°-90°	109.0	2.5
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°	4375.3	100.0
0°-180°	4375.3	100.0

Coefficient of Utilization

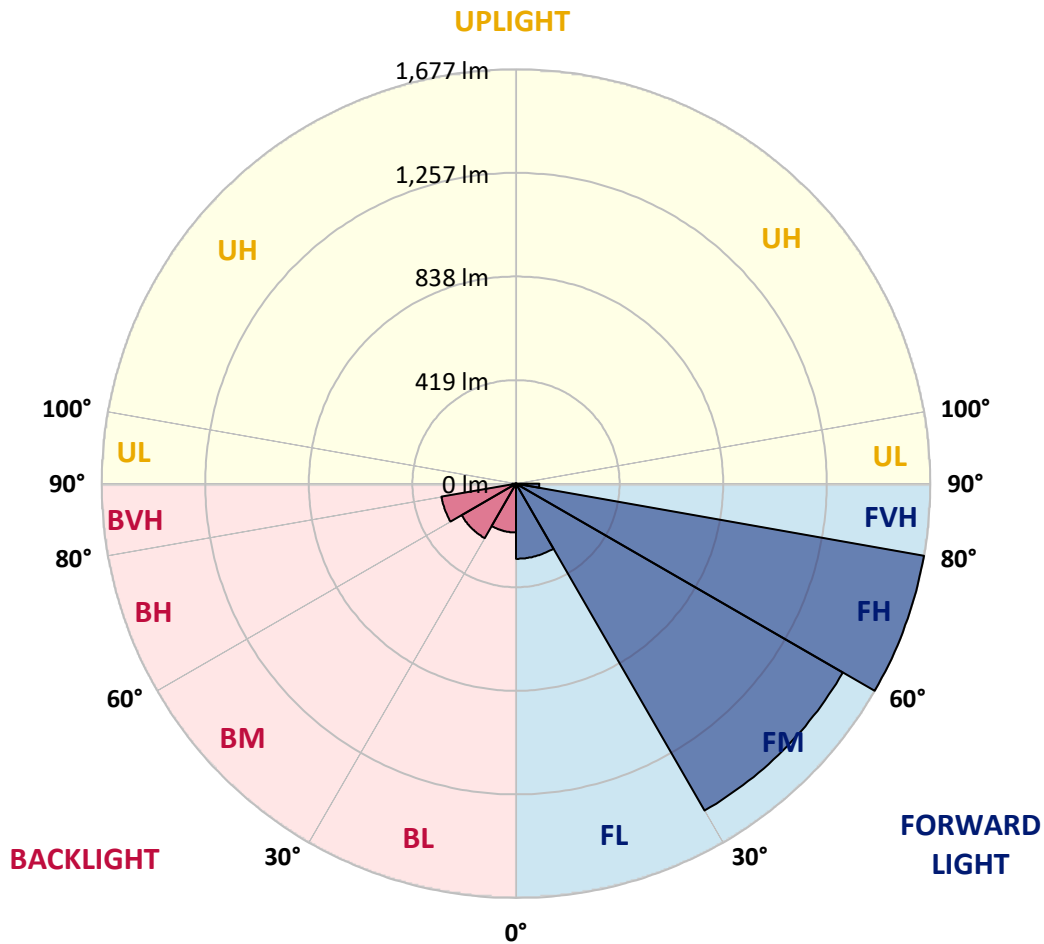


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.1	6.9			
FM (30°-60°)	1527.4	34.9			
FH (60°-80°)	1676.7	38.3			G1/1800
FVH (80°-90°)	94.5	2.2			G1/100
BL (0°-30°)	197.5	4.5	B1/500		
BM (30°-60°)	254.4	5.8	B1/1000		
BH (60°-80°)	306.3	7.0	B1/500		G1/500
BVH (80°-90°)	14.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	866.2	870.5	874.9	877.0	900.9	907.4	922.6	922.6	946.5	948.7	953.0
5°	775.0	792.4	803.2	805.4	833.6	846.6	881.4	905.3	929.1	946.5	963.9
7.5°	722.9	722.9	727.3	738.1	757.6	783.7	822.8	859.7	920.5	955.2	961.7
10°	670.8	675.1	679.5	686.0	712.1	727.3	775.0	831.5	892.2	959.5	976.9
12.5°	629.6	625.2	633.9	651.3	668.6	690.3	735.9	807.6	874.9	955.2	981.2
15°	4.3	605.7	610.0	616.5	638.2	673.0	714.2	779.4	866.2	963.9	987.8
17.5°	597.0	588.3	590.5	597.0	620.9	653.4	688.2	751.1	861.8	979.1	1000.8
20°	590.5	586.1	588.3	590.5	603.5	631.7	677.3	738.1	853.2	972.6	996.4
22.5°	599.2	605.7	599.2	597.0	603.5	616.5	662.1	722.9	838.0	976.9	972.6
25°	644.8	642.6	633.9	620.9	607.9	610.0	660.0	718.6	816.3	972.6	955.2
27.5°	673.0	686.0	673.0	657.8	625.2	616.5	651.3	712.1	811.9	970.4	953.0
30°	742.4	735.9	735.9	703.4	664.3	631.7	653.4	705.5	807.6	953.0	913.9
32.5°	811.9	809.7	811.9	788.0	729.4	666.5	668.6	705.5	796.7	950.9	905.3
35°	905.3	896.6	900.9	887.9	807.6	720.7	686.0	716.4	785.9	946.5	883.6
37.5°	961.7	979.1	996.4	1003.0	913.9	798.9	733.8	727.3	785.9	940.0	866.2
40°	1072.4	1063.7	1102.8	1118.0	1050.7	900.9	781.5	753.3	809.7	950.9	851.0
42.5°	1161.4	1174.5	1211.4	1228.7	1185.3	1018.2	877.0	801.1	853.2	985.6	885.7
45°	1332.9	1343.8	1372.0	1391.5	1343.8	1159.3	1000.8	900.9	913.9	1055.1	920.5
47.5°	1487.1	1524.0	1513.1	1567.4	1550.0	1346.0	1131.0	1024.7	1020.3	1165.8	996.4
50°	1641.2	1626.0	1626.0	1702.0	1784.5	1591.3	1322.1	1209.2	1191.8	1302.5	1096.3
52.5°	1667.2	1667.2	1660.7	1741.1	1960.3	1940.8	1593.4	1476.2	1406.7	1504.4	1267.8
55°	1571.7	1584.8	1567.4	1678.1	2018.9	2288.1	1992.9	1797.5	1684.6	1806.2	1504.4
57.5°	1335.1	1306.9	1287.3	1452.3	1916.9	2542.1	2691.9	2262.1	2008.1	2173.1	1860.5
60°	989.9	989.9	972.6	1092.0	1565.2	2559.5	3299.8	2930.7	2420.5	2624.6	2290.3
62.5°	707.7	703.4	699.0	775.0	1092.0	2246.9	3757.8	3853.3	2909.0	3171.7	2828.7
65°	492.8	490.6	484.1	551.4	703.4	1608.6	3794.7	4836.8	3440.9	3668.8	3323.6
67.5°	369.1	362.5	373.4	462.4	529.7	972.6	3288.9	5485.9	3966.2	4020.5	3608.0
70°	269.2	264.8	277.9	375.6	486.3	588.3	2301.1	5603.1	4098.7	3927.2	3497.3
72.5°	195.4	188.9	206.2	290.9	458.1	525.4	1270.0	4817.2	3762.2	3334.5	2939.4
75°	132.4	130.3	138.9	214.9	423.3	510.2	651.3	3545.1	2954.6	2316.3	1884.3
77.5°	93.3	93.3	93.3	132.4	332.1	503.6	514.5	2055.8	1756.3	1306.9	1024.7
80°	69.5	69.5	71.6	89.0	223.6	510.2	484.1	972.6	755.5	440.7	345.2
82.5°	41.2	45.6	52.1	63.0	115.1	462.4	473.3	468.9	210.6	134.6	125.9
85°	21.7	21.7	30.4	43.4	67.3	332.1	455.9	351.7	112.9	76.0	71.6
87.5°	6.5	6.5	10.9	17.4	26.1	147.6	349.5	280.0	65.1	39.1	43.4
90°	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	959.5	953.0	959.5	946.5	929.1	911.8	918.3	913.9	909.6	907.4
5°	959.5	961.7	935.7	918.3	896.6	861.8	848.8	835.8	827.1	835.8
7.5°	966.0	942.2	898.8	868.4	822.8	781.5	753.3	725.1	703.4	701.2
10°	966.0	924.8	881.4	807.6	746.8	660.0	601.3	562.3	531.9	542.7
12.5°	970.4	920.5	829.3	727.3	633.9	527.5	445.0	395.1	371.2	373.4
15°	959.5	892.2	772.8	649.1	499.3	382.1	321.3	290.9	275.7	284.4
17.5°	959.5	866.2	705.5	525.4	373.4	277.9	243.1	238.8	236.6	236.6
20°	957.4	805.4	627.4	406.0	258.3	210.6	197.6	204.1	208.4	210.6
22.5°	916.1	762.0	516.7	290.9	193.2	173.7	173.7	180.2	188.9	193.2
25°	885.7	690.3	406.0	204.1	162.8	156.3	158.5	162.8	171.5	171.5
27.5°	857.5	631.7	308.3	165.0	147.6	147.6	149.8	154.1	160.6	158.5
30°	831.5	551.4	230.1	145.5	141.1	138.9	141.1	143.3	145.5	147.6
32.5°	805.4	481.9	175.8	138.9	136.8	134.6	134.6	132.4	134.6	132.4
35°	762.0	410.3	147.6	132.4	130.3	128.1	125.9	123.7	123.7	123.7
37.5°	740.3	345.2	138.9	128.1	125.9	123.7	119.4	119.4	119.4	117.2
40°	718.6	284.4	134.6	123.7	121.6	117.2	112.9	115.1	115.1	115.1
42.5°	716.4	236.6	130.3	121.6	117.2	110.7	108.5	110.7	110.7	108.5
45°	718.6	199.7	128.1	117.2	112.9	108.5	106.4	106.4	106.4	106.4
47.5°	757.6	175.8	123.7	115.1	110.7	106.4	102.0	99.9	99.9	102.0
50°	796.7	171.5	121.6	115.1	110.7	102.0	99.9	95.5	95.5	93.3
52.5°	879.2	169.3	119.4	112.9	106.4	97.7	93.3	89.0	86.8	89.0
55°	998.6	171.5	117.2	108.5	102.0	93.3	89.0	84.7	82.5	82.5
57.5°	1270.0	173.7	115.1	106.4	97.7	86.8	82.5	78.2	78.2	76.0
60°	1626.0	186.7	112.9	99.9	91.2	82.5	78.2	73.8	71.6	71.6
62.5°	2077.5	186.7	117.2	97.7	84.7	76.0	71.6	69.5	67.3	65.1
65°	2466.1	214.9	128.1	93.3	76.0	69.5	65.1	63.0	60.8	60.8
67.5°	2687.6	236.6	145.5	95.5	71.6	63.0	60.8	56.4	56.4	56.4
70°	2481.3	269.2	165.0	102.0	65.1	58.6	54.3	52.1	49.9	49.9
72.5°	2027.6	232.3	162.8	97.7	58.6	52.1	49.9	45.6	43.4	43.4
75°	1306.9	193.2	138.9	82.5	54.3	45.6	43.4	39.1	36.9	36.9
77.5°	690.3	134.6	97.7	65.1	45.6	41.2	36.9	32.6	30.4	30.4
80°	251.8	82.5	67.3	45.6	36.9	32.6	28.2	23.9	21.7	23.9
82.5°	104.2	52.1	41.2	30.4	26.1	23.9	19.5	17.4	15.2	15.2
85°	60.8	36.9	26.1	19.5	15.2	15.2	10.9	8.7	6.5	6.5
87.5°	34.7	23.9	10.9	21.7	8.7	4.3	2.2	2.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)