

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: P565362

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T2-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565362
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-T2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2 distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

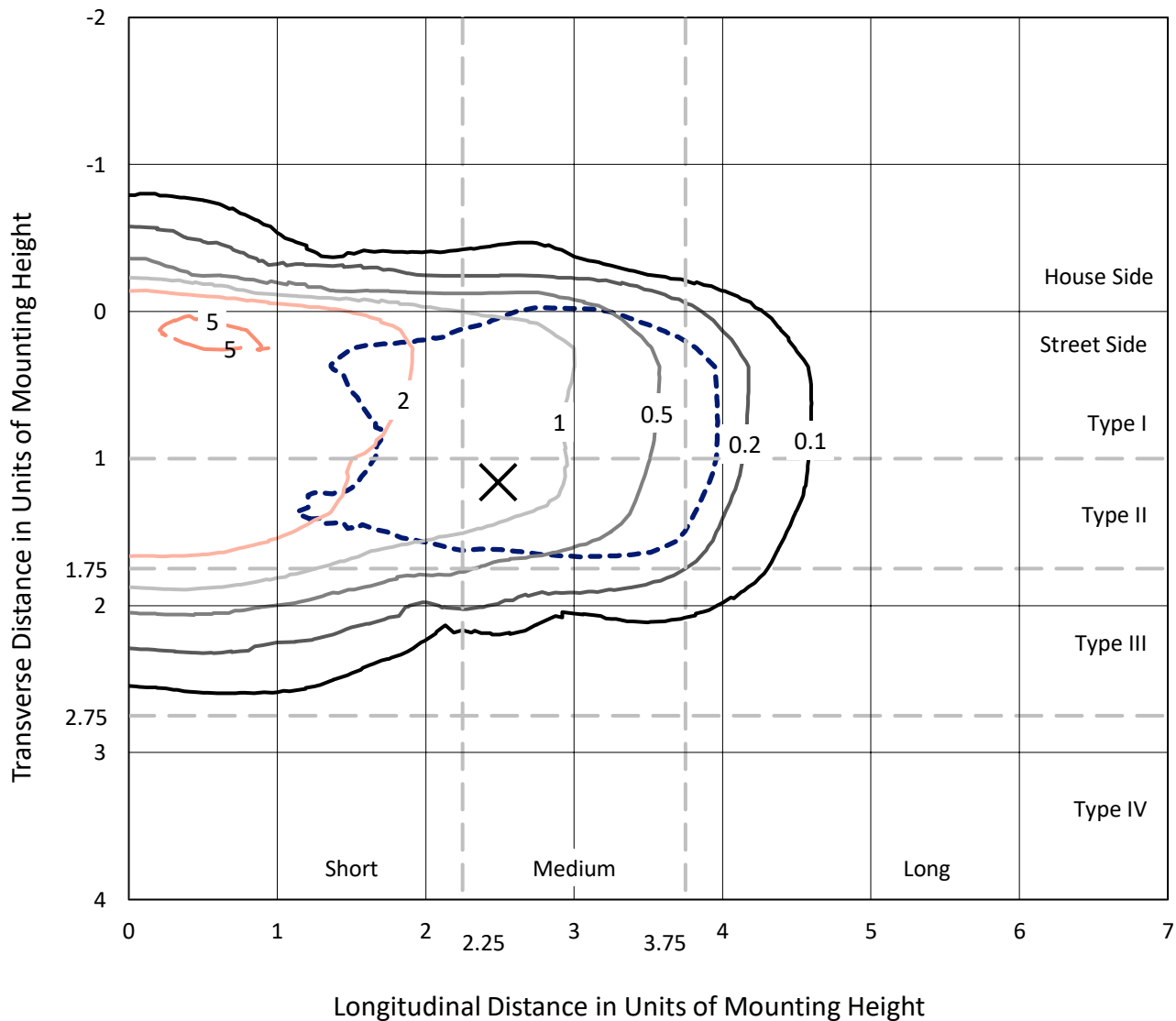
Lumens per Lamp: N/A
Luminaire Lumens: 3161.3 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

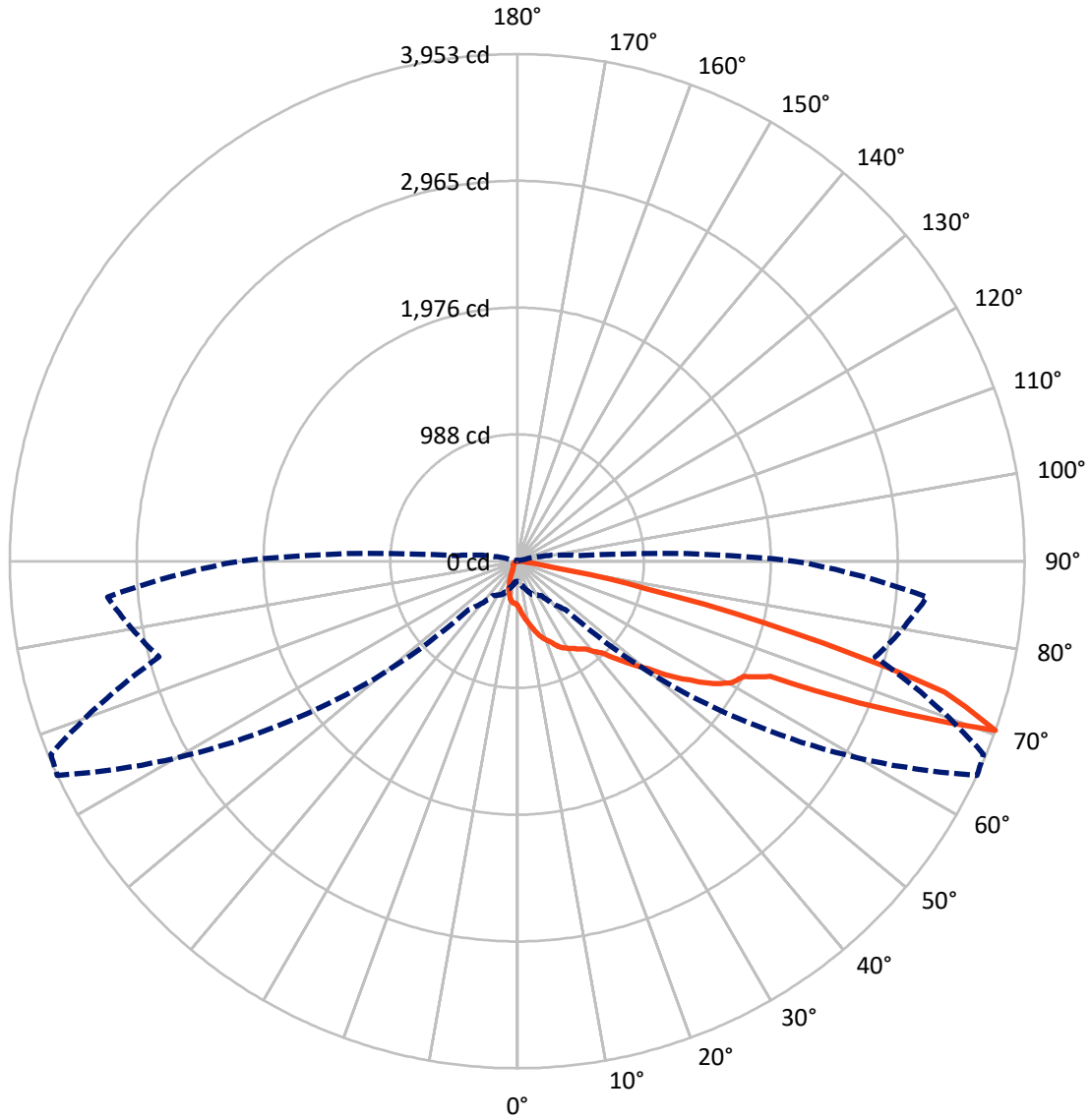
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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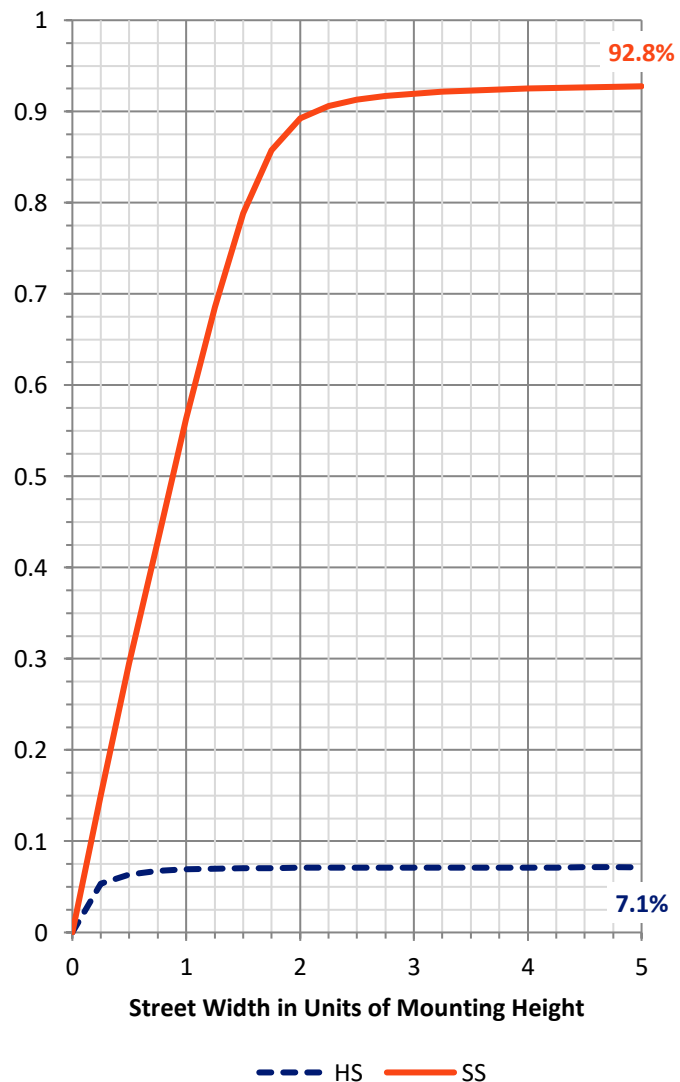
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	226.9	0.0	226.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2934.5	0.0	2934.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	3161.3	0.0	3161.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	1.1
10°-20°	97.8	3.1
20°-30°	161.9	5.1
30°-40°	281.9	8.9
40°-50°	491.7	15.6
50°-60°	769.0	24.3
60°-70°	819.2	25.9
70°-80°	484.7	15.3
80°-90°	21.0	0.7
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°	3161.3	100.0
0°-180°	3161.3	100.0

Coefficient of Utilization

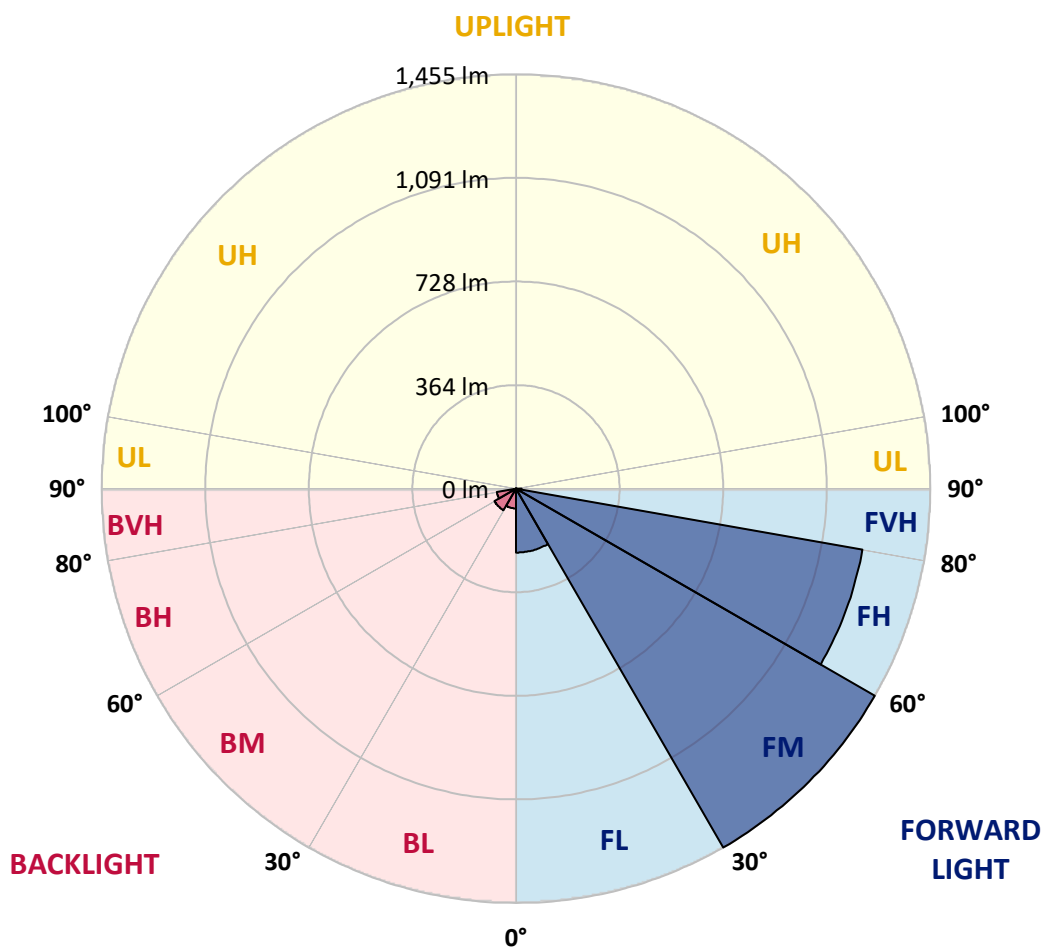


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.5	7.1			
FM (30°-60°)	1455.1	46.0			
FH (60°-80°)	1235.2	39.1			G1/1800
FVH (80°-90°)	19.6	0.6			G1/100
BL (0°-30°)	69.4	2.2	B0/110		
BM (30°-60°)	87.4	2.8	B0/220		
BH (60°-80°)	68.6	2.2	B0/110		G0/110
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7
2.5°	393.6	397.8	395.7	393.6	389.5	389.5	383.2	372.8	370.7	368.6	358.2
5°	431.1	424.9	429.0	429.0	433.2	431.1	420.7	412.4	406.1	397.8	379.0
7.5°	429.0	429.0	433.2	439.4	445.7	454.0	458.2	454.0	445.7	433.2	408.2
10°	431.1	433.2	433.2	447.8	464.4	472.8	491.5	491.5	487.3	476.9	451.9
12.5°	422.8	429.0	441.5	458.2	479.0	493.6	518.6	533.2	535.2	520.7	491.5
15°	399.9	408.2	422.8	449.8	485.3	516.5	549.8	585.2	589.4	583.1	533.2
17.5°	374.9	377.0	391.5	422.8	470.7	524.8	585.2	624.8	633.1	637.3	585.2
20°	364.5	368.6	377.0	401.9	443.6	518.6	606.0	656.0	670.6	674.8	622.7
22.5°	374.9	381.1	379.0	395.7	433.2	501.9	614.4	689.3	703.9	728.9	664.4
25°	433.2	437.4	431.1	420.7	426.9	489.4	612.3	735.2	743.5	785.1	699.8
27.5°	531.1	541.5	520.7	493.6	466.5	497.7	620.6	764.3	783.1	843.5	737.2
30°	624.8	626.9	620.6	589.4	529.0	524.8	633.1	789.3	826.8	899.7	793.5
32.5°	693.5	695.6	697.7	681.0	631.0	587.3	643.5	812.2	862.2	945.5	835.1
35°	806.0	808.1	783.1	768.5	731.0	658.1	666.4	841.4	891.4	1010.1	889.3
37.5°	941.3	972.6	928.9	870.5	818.5	743.5	718.5	868.5	918.4	1091.3	958.0
40°	1058.0	1089.2	1051.7	1005.9	928.9	841.4	783.1	924.7	968.4	1185.0	1041.3
42.5°	1170.4	1191.3	1185.0	1124.6	1060.1	976.8	874.7	978.8	1030.9	1297.5	1135.0
45°	1257.9	1270.4	1276.6	1239.2	1160.0	1122.5	1008.0	1089.2	1132.9	1432.8	1243.3
47.5°	1337.0	1360.0	1347.5	1337.0	1270.4	1272.5	1132.9	1199.6	1257.9	1562.0	1393.3
50°	1418.3	1428.7	1420.3	1418.3	1370.4	1412.0	1264.2	1316.2	1401.6	1707.8	1516.2
52.5°	1547.4	1532.8	1539.1	1528.6	1482.8	1509.9	1332.9	1487.0	1547.4	1855.6	1699.4
55°	1659.9	1639.0	1705.7	1716.1	1645.3	1553.6	1403.7	1636.9	1705.7	1999.3	1839.0
57.5°	1603.6	1618.2	1757.7	1843.1	1930.6	1693.2	1466.2	1803.6	1868.1	2095.1	1903.5
60°	1362.0	1364.1	1559.9	1772.3	1974.3	1972.2	1595.3	1922.3	1999.3	2124.3	1943.1
62.5°	839.3	905.9	1116.3	1466.2	1822.3	2068.0	1926.4	1978.5	2024.3	2113.9	2013.9
65°	404.0	420.7	568.6	812.2	1326.6	1930.6	2330.5	2165.9	2091.0	2101.4	2122.2
67.5°	237.4	249.9	327.0	401.9	624.8	1374.5	2530.4	3065.6	2722.0	2326.3	2484.6
70°	156.2	162.4	214.5	287.4	324.9	533.2	2182.6	3952.8	3932.0	2888.6	3205.2
72.5°	97.9	104.1	143.7	204.1	241.6	210.3	1037.1	3482.1	3702.9	3303.0	3271.8
75°	66.6	68.7	87.5	145.8	179.1	139.5	270.7	2222.2	2536.6	2630.4	2372.1
77.5°	45.8	47.9	58.3	89.6	125.0	95.8	104.1	1026.7	1185.0	1318.3	1139.2
80°	25.0	27.1	41.7	54.1	85.4	62.5	68.7	274.9	324.9	362.4	270.7
82.5°	10.4	12.5	20.8	33.3	58.3	39.6	35.4	79.1	89.6	102.0	56.2
85°	2.1	2.1	10.4	25.0	27.1	18.7	16.7	37.5	45.8	41.7	18.7
87.5°	0.0	0.0	4.2	4.2	8.3	6.2	4.2	8.3	12.5	16.7	4.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7	345.7
2.5°	354.0	349.9	345.7	331.1	329.1	320.7	310.3	308.2	304.1	299.9	297.8
5°	370.7	364.5	347.8	327.0	314.5	299.9	287.4	281.2	272.8	266.6	262.4
7.5°	399.9	379.0	354.0	320.7	297.8	270.7	249.9	239.5	224.9	218.7	216.6
10°	424.9	404.0	356.1	304.1	264.5	231.2	206.2	181.2	166.6	158.3	154.1
12.5°	460.3	433.2	352.0	277.0	229.1	181.2	147.9	116.6	106.2	97.9	100.0
15°	497.7	458.2	343.6	245.7	187.4	131.2	95.8	79.1	79.1	77.1	77.1
17.5°	529.0	468.6	314.5	214.5	143.7	87.5	72.9	72.9	72.9	70.8	70.8
20°	570.6	474.8	281.2	179.1	97.9	68.7	64.6	64.6	64.6	60.4	60.4
22.5°	597.7	470.7	243.7	143.7	68.7	62.5	56.2	54.1	52.1	47.9	47.9
25°	614.4	456.1	218.7	104.1	62.5	54.1	47.9	45.8	41.7	39.6	39.6
27.5°	643.5	433.2	193.7	77.1	58.3	50.0	41.7	37.5	35.4	33.3	33.3
30°	668.5	414.4	164.5	64.6	52.1	43.7	35.4	33.3	31.2	29.2	29.2
32.5°	695.6	389.5	135.4	62.5	47.9	37.5	31.2	29.2	27.1	27.1	27.1
35°	703.9	356.1	112.5	58.3	43.7	33.3	29.2	27.1	25.0	25.0	25.0
37.5°	722.7	333.2	89.6	54.1	39.6	31.2	29.2	25.0	22.9	22.9	20.8
40°	756.0	310.3	70.8	50.0	37.5	31.2	27.1	22.9	20.8	18.7	18.7
42.5°	778.9	291.6	64.6	45.8	33.3	29.2	25.0	20.8	18.7	16.7	16.7
45°	820.6	277.0	60.4	41.7	31.2	27.1	22.9	18.7	14.6	12.5	12.5
47.5°	895.5	272.8	56.2	37.5	31.2	25.0	20.8	14.6	12.5	10.4	10.4
50°	953.8	264.5	54.1	35.4	29.2	22.9	16.7	12.5	8.3	8.3	8.3
52.5°	1043.4	264.5	50.0	33.3	27.1	20.8	14.6	10.4	8.3	6.2	6.2
55°	1118.4	270.7	47.9	31.2	25.0	16.7	12.5	8.3	6.2	6.2	4.2
57.5°	1168.4	264.5	45.8	29.2	22.9	14.6	10.4	8.3	6.2	4.2	4.2
60°	1218.3	262.4	41.7	27.1	18.7	12.5	10.4	6.2	4.2	4.2	2.1
62.5°	1264.2	262.4	35.4	22.9	14.6	10.4	8.3	6.2	4.2	2.1	2.1
65°	1374.5	279.1	29.2	18.7	12.5	8.3	6.2	4.2	2.1	2.1	2.1
67.5°	1645.3	356.1	25.0	14.6	10.4	8.3	6.2	4.2	2.1	0.0	0.0
70°	2165.9	479.0	20.8	12.5	8.3	6.2	4.2	2.1	0.0	0.0	0.0
72.5°	2051.4	366.5	16.7	10.4	8.3	6.2	4.2	2.1	0.0	0.0	0.0
75°	1412.0	143.7	12.5	8.3	6.2	4.2	2.1	2.1	0.0	0.0	0.0
77.5°	631.0	43.7	10.4	6.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
80°	118.7	18.7	6.2	6.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0
82.5°	27.1	12.5	6.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0
85°	12.5	6.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0

(END OF REPORT)