

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: P565410

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

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565410
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-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL2 distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

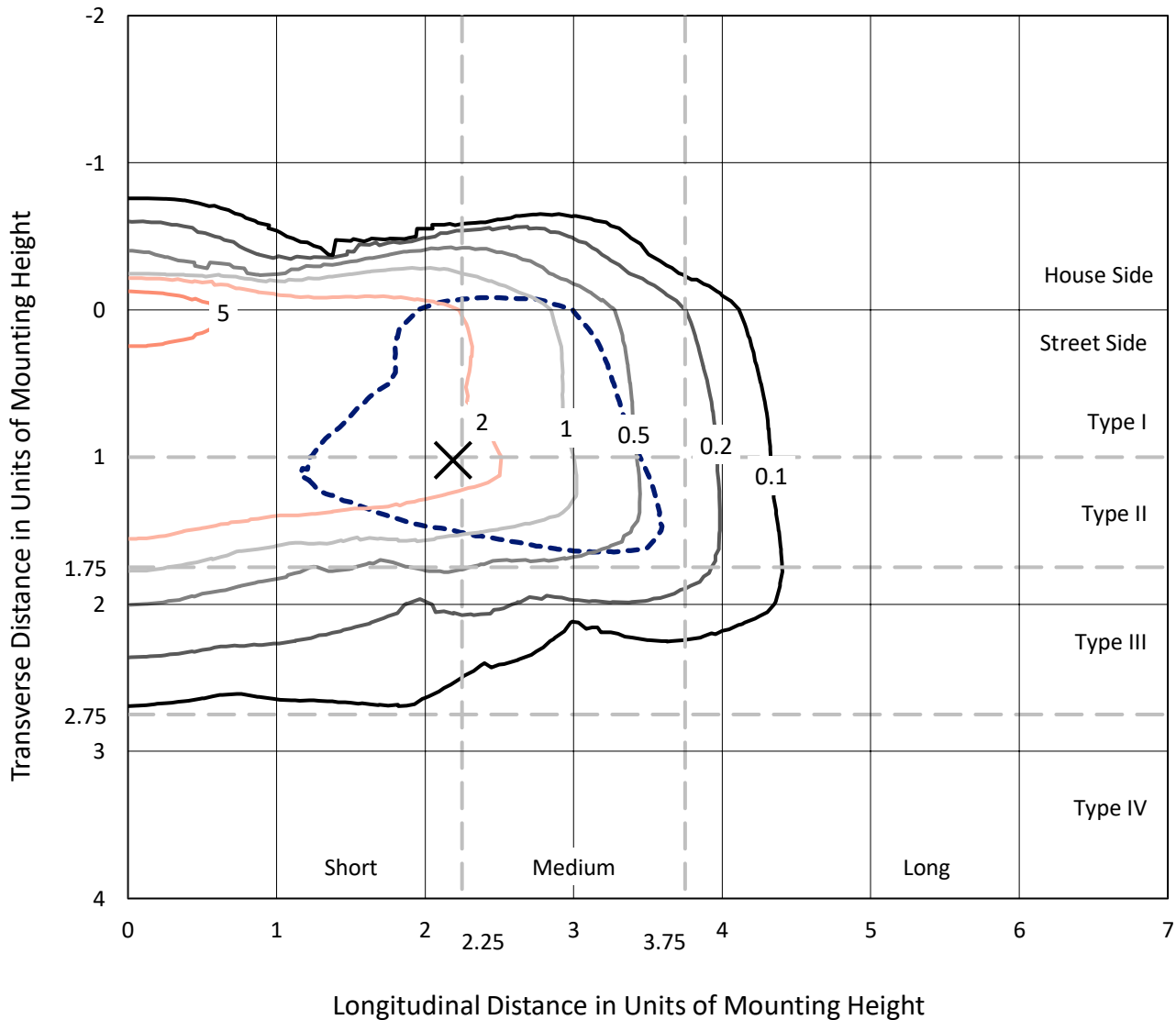
Lumens per Lamp: N/A
Luminaire Lumens: 3612 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

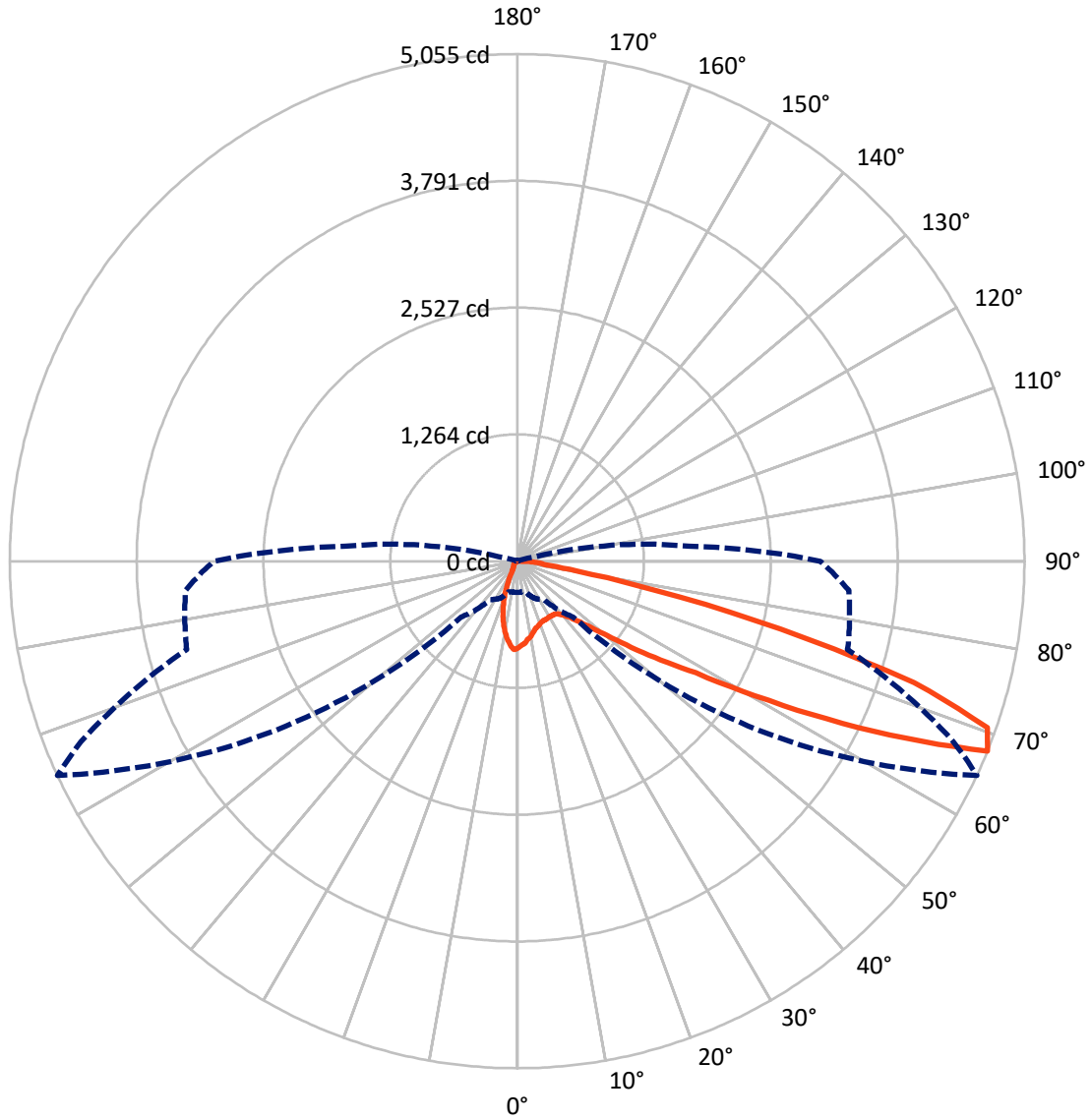
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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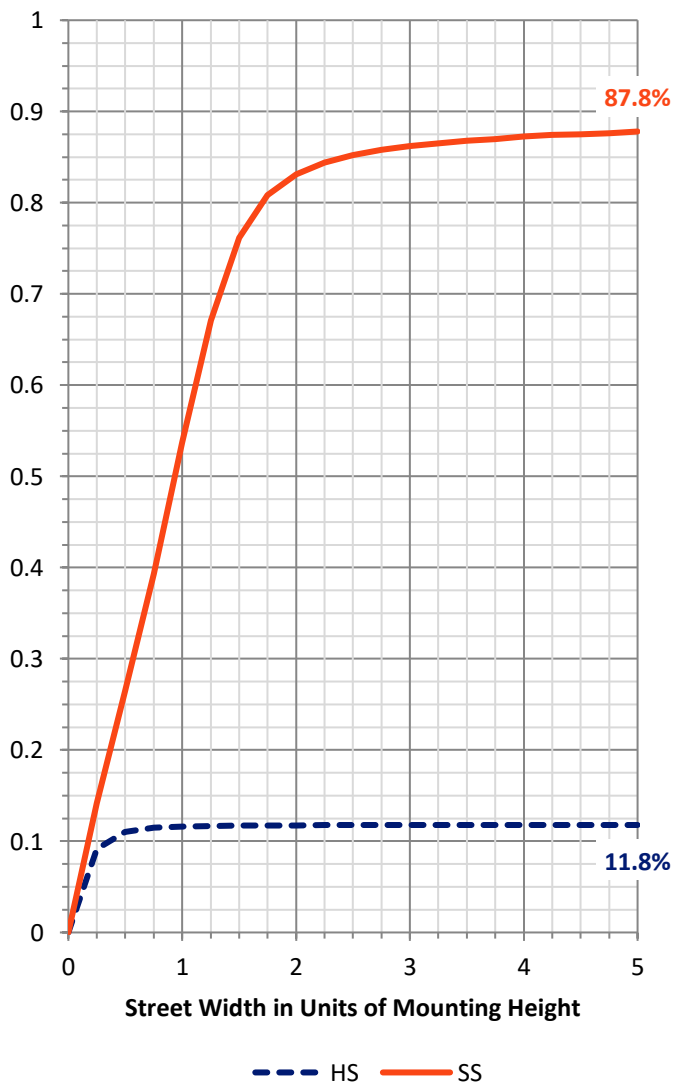
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	429.2	0.0	429.2
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	3182.8	0.0	3182.8
	% Fixture	88.1	0.0	88.1
Total	Lumens	3612.0	0.0	3612.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.9
10°-20°	142.7	3.9
20°-30°	195.5	5.4
30°-40°	284.9	7.9
40°-50°	475.5	13.2
50°-60°	826.6	22.9
60°-70°	1037.4	28.7
70°-80°	530.0	14.7
80°-90°	50.1	1.4
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°	3612.0	100.0
0°-180°	3612.0	100.0

Coefficient of Utilization

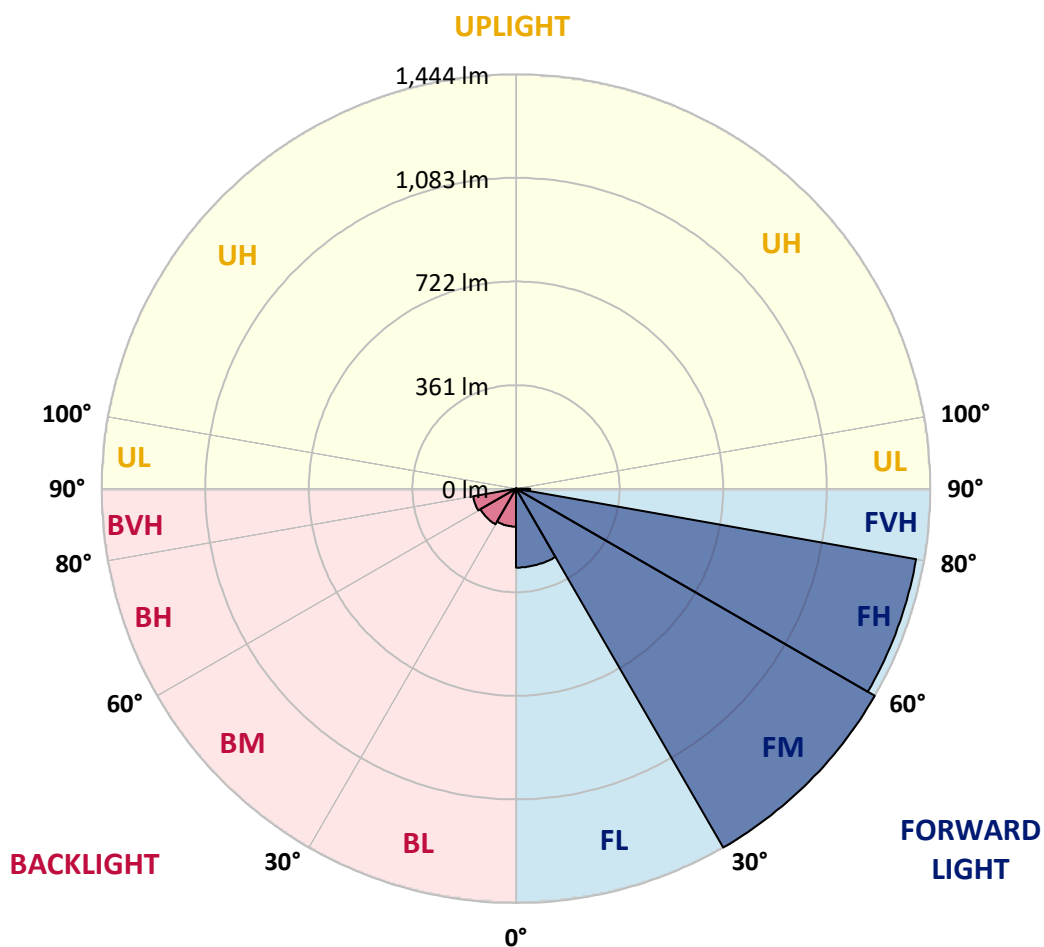


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.0	7.6			
FM (30°-60°)	1443.6	40.0			
FH (60°-80°)	1415.6	39.2			G1/1800
FVH (80°-90°)	48.5	1.3			G1/100
BL (0°-30°)	132.4	3.7	B1/500		
BM (30°-60°)	143.4	4.0	B0/220		
BH (60°-80°)	151.8	4.2	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3
2.5°	786.2	788.4	803.1	796.8	811.5	834.7	843.2	838.9	855.8	862.1	866.3
5°	723.0	727.2	725.1	733.5	756.7	775.7	792.6	822.1	822.1	845.3	860.0
7.5°	645.0	649.2	664.0	670.3	691.4	718.8	746.2	782.0	788.4	838.9	868.5
10°	602.9	605.0	602.9	615.5	636.6	670.3	708.3	760.9	758.8	805.2	866.3
12.5°	554.4	560.7	569.1	581.8	605.0	634.5	666.1	720.9	739.9	803.1	876.9
15°	533.3	537.5	541.7	558.6	564.9	600.7	638.7	693.5	718.8	790.5	879.0
17.5°	529.1	527.0	527.0	531.2	545.9	577.6	619.7	680.8	699.8	773.6	885.3
20°	522.8	520.6	520.6	520.6	537.5	564.9	602.9	659.8	685.1	767.3	898.0
22.5°	539.6	537.5	533.3	529.1	527.0	550.2	594.4	649.2	670.3	754.6	898.0
25°	583.9	579.7	569.1	564.9	539.6	545.9	581.8	647.1	657.7	750.4	900.1
27.5°	626.0	623.9	611.3	600.7	571.2	554.4	588.1	645.0	659.8	731.4	887.4
30°	672.4	680.8	668.2	655.6	607.1	573.3	590.2	640.8	649.2	720.9	891.6
32.5°	765.2	754.6	750.4	739.9	678.7	605.0	605.0	642.9	653.4	725.1	898.0
35°	836.8	847.4	847.4	841.0	752.5	668.2	638.7	647.1	653.4	720.9	893.7
37.5°	908.5	923.3	938.0	938.0	864.2	752.5	678.7	668.2	676.6	723.0	904.3
40°	1001.2	997.0	1032.9	1058.2	997.0	845.3	737.8	704.0	710.4	739.9	919.0
42.5°	1125.6	1108.8	1138.3	1186.7	1136.2	971.7	836.8	763.1	763.1	794.7	942.2
45°	1266.8	1239.4	1264.7	1315.3	1271.1	1108.8	942.2	853.7	841.0	874.8	1003.4
47.5°	1397.5	1422.8	1422.8	1475.5	1473.4	1283.7	1087.7	982.3	971.7	965.4	1117.2
50°	1498.7	1521.9	1543.0	1639.9	1707.4	1526.1	1264.7	1161.4	1144.6	1134.0	1260.5
52.5°	1608.3	1578.8	1580.9	1690.5	1882.3	1859.2	1507.1	1424.9	1380.7	1338.5	1443.9
55°	1521.9	1517.7	1521.9	1639.9	1956.1	2198.5	1859.2	1736.9	1669.5	1614.6	1730.6
57.5°	1222.6	1228.9	1209.9	1378.6	1827.5	2451.5	2476.8	2099.5	2032.0	1918.2	2072.1
60°	898.0	908.5	889.5	997.0	1479.7	2466.2	3020.6	2719.2	2605.4	2261.8	2360.8
62.5°	636.6	628.2	602.9	685.1	986.5	2143.7	3410.6	3463.3	3138.7	2586.4	2708.6
65°	446.9	436.3	440.5	499.6	611.3	1460.8	3385.3	4257.9	3912.2	2976.3	3111.2
67.5°	312.0	309.9	314.1	408.9	468.0	786.2	2936.3	5054.7	4704.8	3408.5	3315.7
70°	221.3	217.1	221.3	335.2	436.3	497.5	2097.4	4968.3	4987.3	3478.0	3263.0
72.5°	130.7	130.7	156.0	246.6	415.3	453.2	1041.3	4135.7	4283.2	3104.9	2575.8
75°	67.5	65.3	84.3	166.5	375.2	427.9	491.1	2710.7	2837.2	2131.1	1475.5
77.5°	37.9	35.8	40.0	86.4	286.7	406.8	392.1	1401.7	1380.7	923.3	545.9
80°	19.0	19.0	25.3	46.4	166.5	392.1	356.2	594.4	522.8	212.9	105.4
82.5°	6.3	6.3	12.6	29.5	67.5	349.9	330.9	267.7	217.1	54.8	52.7
85°	2.1	2.1	4.2	19.0	29.5	162.3	280.3	217.1	160.2	25.3	31.6
87.5°	0.0	0.0	0.0	6.3	10.5	33.7	111.7	120.1	97.0	8.4	19.0
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°	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3	866.3
2.5°	868.5	872.7	883.2	883.2	866.3	847.4	843.2	815.8	824.2	820.0	803.1
5°	885.3	874.8	874.8	843.2	803.1	769.4	733.5	699.8	685.1	676.6	672.4
7.5°	868.5	879.0	847.4	784.1	720.9	651.3	590.2	535.4	505.9	491.1	484.8
10°	895.9	879.0	807.3	723.0	617.6	512.2	425.8	347.8	305.6	280.3	274.0
12.5°	883.2	881.1	777.8	645.0	503.8	362.6	246.6	175.0	137.0	124.4	124.4
15°	914.8	874.8	742.0	567.0	383.6	212.9	124.4	97.0	88.5	86.4	86.4
17.5°	904.3	862.1	691.4	474.3	255.1	120.1	86.4	82.2	80.1	78.0	78.0
20°	919.0	843.2	632.4	375.2	147.6	82.2	75.9	73.8	71.7	69.6	69.6
22.5°	900.1	830.5	571.2	271.9	92.7	71.7	67.5	65.3	61.1	61.1	61.1
25°	891.6	809.4	510.1	181.3	73.8	65.3	59.0	56.9	52.7	48.5	50.6
27.5°	881.1	779.9	451.1	115.9	65.3	56.9	50.6	46.4	42.2	40.0	40.0
30°	862.1	746.2	381.5	80.1	59.0	52.7	44.3	40.0	33.7	31.6	31.6
32.5°	834.7	729.3	312.0	67.5	54.8	46.4	40.0	33.7	29.5	27.4	27.4
35°	817.9	693.5	242.4	61.1	50.6	40.0	33.7	27.4	25.3	23.2	23.2
37.5°	815.8	661.9	179.2	56.9	46.4	35.8	27.4	23.2	21.1	19.0	19.0
40°	798.9	638.7	126.5	52.7	42.2	31.6	25.3	21.1	19.0	16.9	16.9
42.5°	824.2	621.8	90.6	48.5	37.9	27.4	21.1	16.9	14.8	12.6	12.6
45°	849.5	628.2	71.7	44.3	31.6	23.2	19.0	14.8	12.6	10.5	10.5
47.5°	931.7	649.2	63.2	40.0	27.4	21.1	16.9	12.6	10.5	8.4	8.4
50°	1028.7	683.0	59.0	35.8	25.3	19.0	12.6	10.5	8.4	6.3	6.3
52.5°	1180.4	769.4	56.9	31.6	21.1	16.9	10.5	8.4	6.3	4.2	4.2
55°	1443.9	883.2	50.6	29.5	19.0	12.6	8.4	6.3	4.2	4.2	4.2
57.5°	1715.8	1072.9	46.4	25.3	14.8	10.5	8.4	6.3	4.2	2.1	2.1
60°	2059.4	1294.2	40.0	21.1	12.6	8.4	6.3	4.2	4.2	2.1	2.1
62.5°	2426.2	1545.1	33.7	16.9	10.5	6.3	4.2	4.2	2.1	2.1	0.0
65°	2862.5	1747.4	27.4	12.6	8.4	6.3	4.2	2.1	2.1	0.0	0.0
67.5°	3022.7	1720.0	21.1	10.5	6.3	4.2	4.2	2.1	2.1	0.0	0.0
70°	2919.4	1507.1	19.0	8.4	6.3	4.2	2.1	2.1	0.0	0.0	0.0
72.5°	2209.1	961.2	14.8	6.3	4.2	2.1	2.1	2.1	0.0	0.0	0.0
75°	1201.5	347.8	12.6	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
77.5°	373.1	82.2	10.5	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
80°	73.8	27.4	8.4	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
82.5°	44.3	14.8	6.3	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0
85°	29.5	6.3	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
87.5°	16.9	2.1	2.1	2.1	2.1	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)