

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: P565403

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T4W-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565403
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-T4W-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4W distribution lens and House Side Shield
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

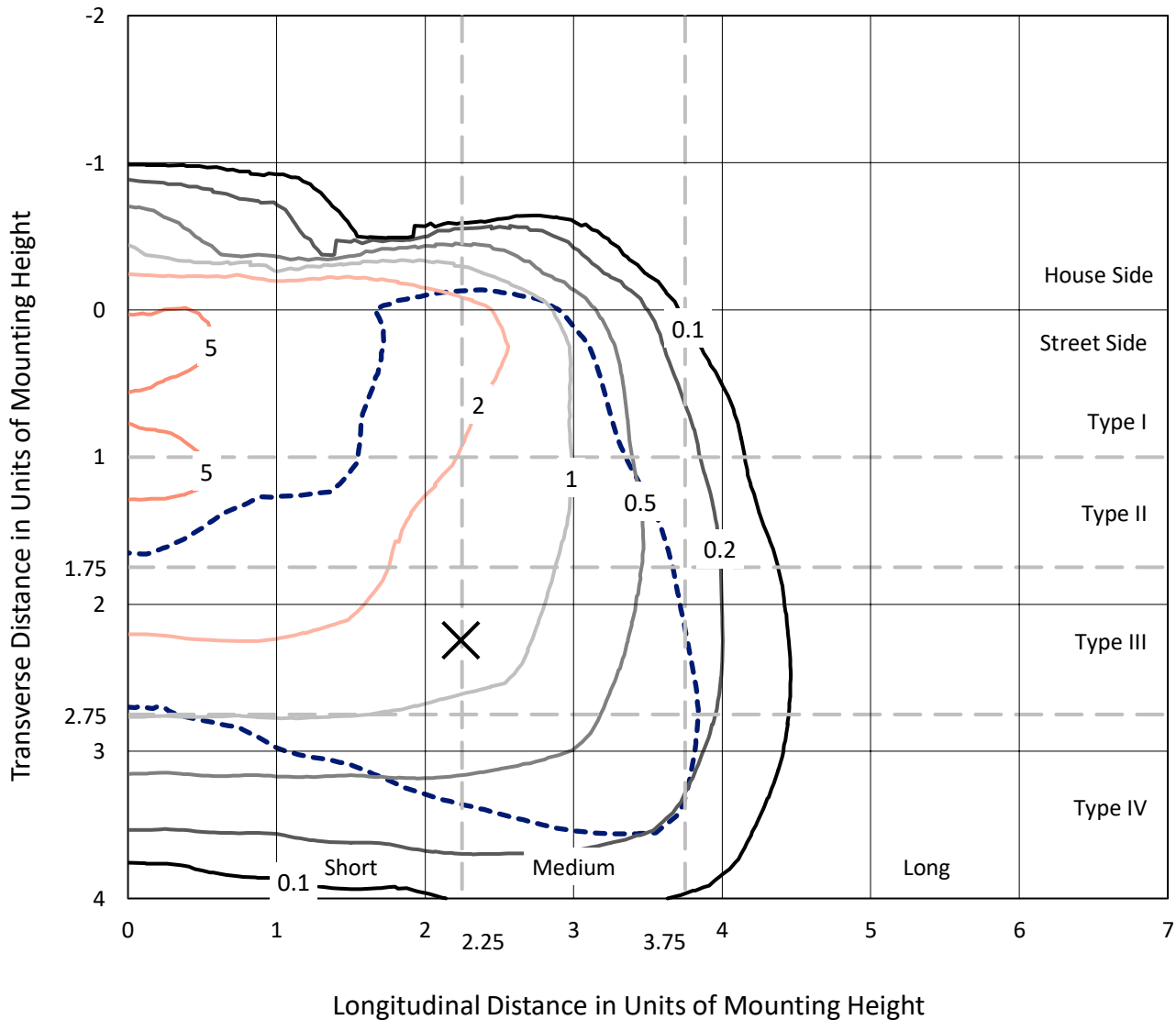
Lumens per Lamp: N/A
Luminaire Lumens: 5489.1 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5
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

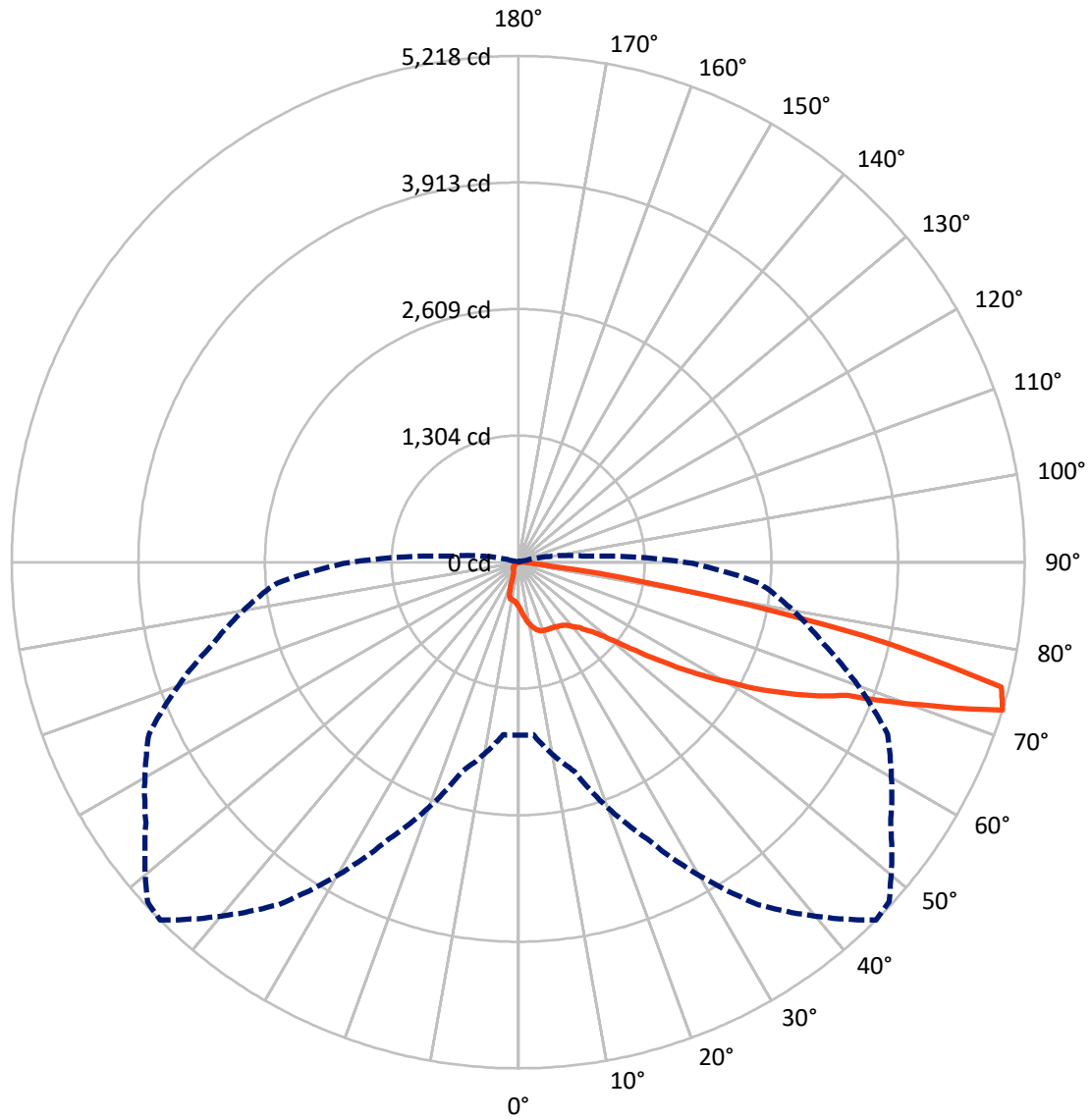
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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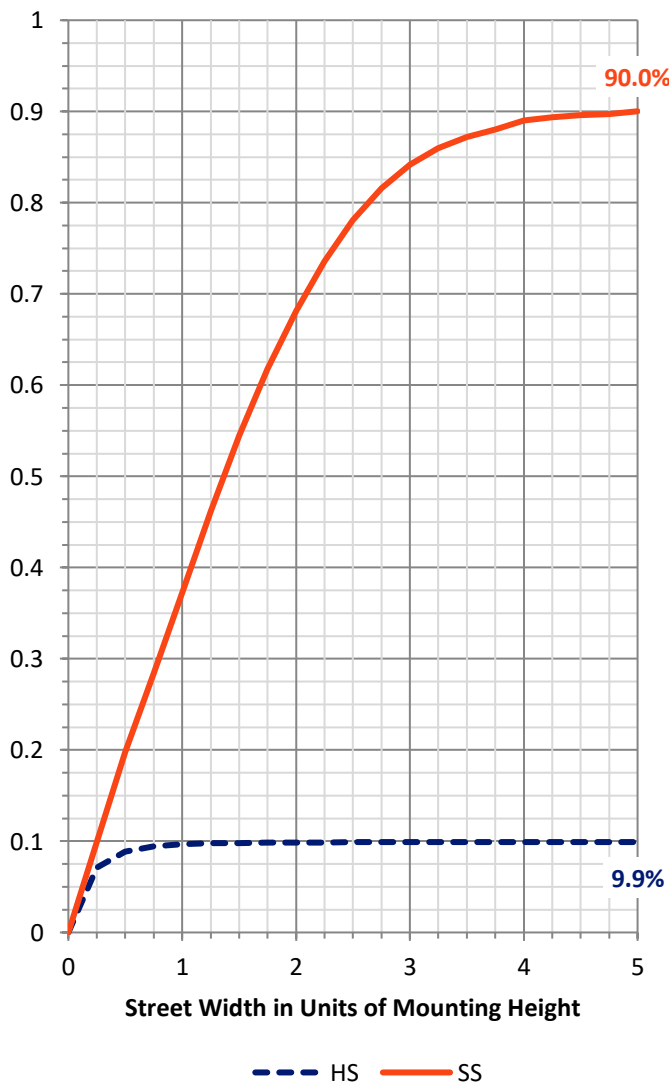
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.0	0.0	549.0
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	4940.1	0.0	4940.1
	% Fixture	90.0	0.0	90.0
Total	Lumens	5489.1	0.0	5489.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	0.9
10°-20°	148.8	2.7
20°-30°	232.0	4.2
30°-40°	330.2	6.0
40°-50°	568.5	10.4
50°-60°	1050.4	19.1
60°-70°	1764.3	32.1
70°-80°	1275.8	23.2
80°-90°	71.8	1.3
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°	5489.1	100.0
0°-180°	5489.1	100.0

Coefficient of Utilization

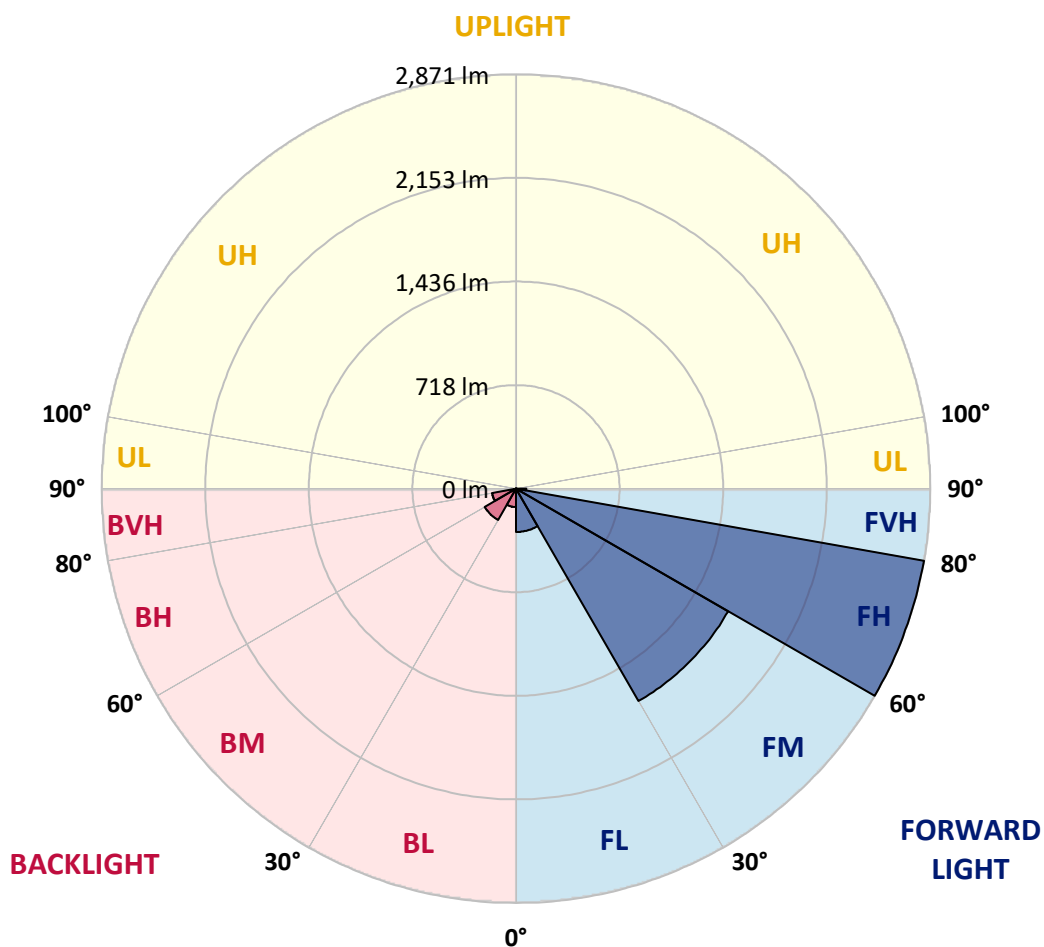


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.1	5.5			
FM (30°-60°)	1698.6	30.9			
FH (60°-80°)	2871.1	52.3			G2/5000
FVH (80°-90°)	70.3	1.3			G1/100
BL (0°-30°)	127.9	2.3	B1/500		
BM (30°-60°)	250.5	4.6	B1/1000		
BH (60°-80°)	169.0	3.1	B1/500		G1/500
BVH (80°-90°)	1.5	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5
2.5°	515.3	508.1	508.1	508.1	501.0	490.3	490.3	486.7	479.5	468.8	461.6
5°	604.8	594.0	590.5	579.7	561.8	543.9	540.4	526.0	508.1	486.7	468.8
7.5°	679.9	676.3	669.2	651.3	629.8	601.2	594.0	576.1	547.5	518.9	490.3
10°	740.8	737.2	726.4	705.0	676.3	651.3	644.1	626.2	594.0	558.2	522.5
12.5°	790.8	787.3	773.0	744.3	715.7	690.7	683.5	669.2	637.0	601.2	554.7
15°	819.5	819.5	805.2	769.4	740.8	722.9	719.3	705.0	676.3	637.0	586.9
17.5°	819.5	815.9	801.6	769.4	751.5	744.3	740.8	733.6	708.5	672.8	619.1
20°	783.7	783.7	780.1	758.6	747.9	751.5	751.5	751.5	733.6	701.4	644.1
22.5°	755.1	751.5	751.5	737.2	740.8	755.1	755.1	758.6	747.9	722.9	669.2
25°	740.8	737.2	740.8	726.4	733.6	758.6	762.2	769.4	762.2	740.8	690.7
27.5°	737.2	733.6	737.2	726.4	737.2	762.2	769.4	780.1	773.0	747.9	705.0
30°	744.3	737.2	740.8	730.0	744.3	773.0	776.5	794.4	787.3	765.8	733.6
32.5°	780.1	762.2	758.6	740.8	758.6	783.7	790.8	812.3	819.5	794.4	762.2
35°	862.4	815.9	790.8	769.4	780.1	798.0	805.2	840.9	862.4	830.2	790.8
37.5°	969.8	905.4	848.1	812.3	808.7	826.6	833.8	876.7	908.9	876.7	833.8
40°	1209.5	1173.7	1062.8	891.0	848.1	873.2	880.3	923.3	980.5	930.4	887.5
42.5°	1560.2	1528.0	1399.2	1112.9	905.4	919.7	926.8	976.9	1044.9	1005.6	955.5
45°	1860.8	1853.7	1742.7	1402.8	1030.6	1002.0	1012.7	1048.5	1130.8	1102.2	1037.8
47.5°	1961.0	1961.0	1964.6	1710.5	1248.9	1098.6	1105.8	1152.3	1248.9	1227.4	1155.9
50°	2018.3	2021.9	2082.7	1971.8	1542.3	1270.4	1245.3	1284.7	1409.9	1399.2	1316.9
52.5°	2186.5	2193.6	2236.6	2200.8	1896.6	1513.7	1467.2	1460.0	1624.6	1642.5	1542.3
55°	2394.0	2376.1	2386.9	2437.0	2275.9	1817.9	1735.6	1692.6	1896.6	1961.0	1857.2
57.5°	2519.3	2505.0	2572.9	2694.6	2673.1	2161.4	2043.3	1978.9	2254.5	2308.1	2168.6
60°	2694.6	2676.7	2780.5	2955.8	3034.6	2530.0	2379.7	2318.9	2630.2	2605.2	2580.1
62.5°	2787.7	2805.5	2973.7	3195.6	3313.7	2934.4	2776.9	2719.7	2938.0	2934.4	3084.7
65°	2830.6	2852.1	3199.2	3424.6	3625.0	3313.7	3188.4	3052.5	3235.0	3263.6	3804.0
67.5°	2819.9	2852.1	3260.0	3753.9	4018.7	3664.4	3535.6	3381.7	3585.7	3660.8	4405.1
70°	2576.5	2587.3	2959.4	3782.5	4408.7	4408.7	4333.6	4054.4	4079.5	3829.0	4043.7
72.5°	1785.7	1785.7	2229.4	3149.1	4308.5	5217.5	5181.7	4684.3	4197.6	3256.4	2497.8
75°	604.8	626.2	984.1	1853.7	3456.8	5142.3	5156.6	4458.8	3335.2	1868.0	833.8
77.5°	128.8	132.4	232.6	597.6	1950.3	3635.8	3664.4	2909.3	1649.7	572.6	153.9
80°	57.3	60.8	89.5	175.3	583.3	1563.8	1631.8	1252.5	518.9	200.4	53.7
82.5°	21.5	25.0	46.5	93.0	246.9	365.0	390.1	340.0	207.6	146.7	28.6
85°	7.2	7.2	17.9	46.5	103.8	57.3	60.8	121.7	146.7	114.5	14.3
87.5°	0.0	0.0	7.2	14.3	21.5	14.3	14.3	25.0	75.1	82.3	3.6
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°	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5	454.5
2.5°	458.0	454.5	447.3	440.2	433.0	425.8	422.3	422.3	418.7	418.7	418.7
5°	461.6	454.5	436.6	425.8	415.1	407.9	404.4	404.4	404.4	400.8	400.8
7.5°	475.9	465.2	440.2	422.3	407.9	397.2	390.1	386.5	386.5	386.5	390.1
10°	504.6	486.7	454.5	425.8	404.4	390.1	375.7	368.6	368.6	365.0	365.0
12.5°	533.2	508.1	468.8	433.0	407.9	386.5	354.3	314.9	289.9	275.5	272.0
15°	561.8	533.2	483.1	443.7	411.5	361.4	275.5	207.6	171.8	168.2	164.6
17.5°	590.5	558.2	501.0	454.5	397.2	279.1	171.8	136.0	132.4	143.1	143.1
20°	615.5	583.3	518.9	465.2	332.8	175.3	125.2	125.2	125.2	136.0	139.6
22.5°	640.6	608.3	536.8	454.5	239.8	125.2	118.1	121.7	121.7	132.4	132.4
25°	662.0	633.4	561.8	404.4	143.1	110.9	114.5	118.1	118.1	125.2	128.8
27.5°	679.9	658.4	586.9	325.6	107.4	103.8	107.4	110.9	110.9	118.1	121.7
30°	712.1	694.2	611.9	232.6	100.2	96.6	100.2	103.8	107.4	110.9	114.5
32.5°	747.9	733.6	615.5	143.1	96.6	93.0	89.5	93.0	100.2	103.8	107.4
35°	790.8	787.3	590.5	103.8	93.0	85.9	85.9	82.3	85.9	93.0	96.6
37.5°	840.9	844.5	540.4	96.6	89.5	82.3	78.7	75.1	71.6	75.1	75.1
40°	898.2	912.5	465.2	93.0	85.9	78.7	71.6	64.4	57.3	53.7	57.3
42.5°	984.1	1002.0	368.6	89.5	85.9	75.1	64.4	53.7	42.9	39.4	39.4
45°	1070.0	1102.2	264.8	89.5	85.9	68.0	53.7	39.4	28.6	25.0	25.0
47.5°	1188.1	1216.7	164.6	89.5	89.5	60.8	42.9	28.6	21.5	17.9	17.9
50°	1367.0	1349.1	118.1	85.9	85.9	50.1	32.2	21.5	14.3	14.3	17.9
52.5°	1635.4	1520.9	100.2	82.3	82.3	42.9	21.5	17.9	14.3	14.3	14.3
55°	2029.0	1699.8	93.0	75.1	68.0	32.2	17.9	14.3	10.7	10.7	10.7
57.5°	2361.8	1821.5	78.7	64.4	46.5	25.0	17.9	14.3	10.7	7.2	7.2
60°	2780.5	1925.2	60.8	50.1	32.2	21.5	17.9	14.3	10.7	7.2	7.2
62.5°	3213.5	2007.5	42.9	35.8	25.0	17.9	14.3	10.7	7.2	3.6	3.6
65°	3642.9	2064.8	32.2	25.0	17.9	14.3	10.7	7.2	7.2	3.6	3.6
67.5°	3811.1	1953.9	28.6	21.5	14.3	14.3	10.7	7.2	3.6	3.6	0.0
70°	3174.1	1435.0	25.0	17.9	14.3	10.7	7.2	3.6	3.6	0.0	0.0
72.5°	1724.8	694.2	21.5	17.9	10.7	7.2	7.2	3.6	3.6	0.0	0.0
75°	493.8	146.7	17.9	14.3	10.7	7.2	3.6	3.6	3.6	0.0	0.0
77.5°	96.6	35.8	14.3	10.7	7.2	3.6	3.6	3.6	0.0	0.0	0.0
80°	42.9	21.5	10.7	7.2	7.2	3.6	3.6	0.0	0.0	0.0	0.0
82.5°	21.5	14.3	10.7	7.2	7.2	3.6	3.6	0.0	0.0	0.0	0.0
85°	7.2	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.6	0.0	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)