

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: P565396

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T4FT-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565396
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-T4FT-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4FT distribution lens and House Side Shield
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

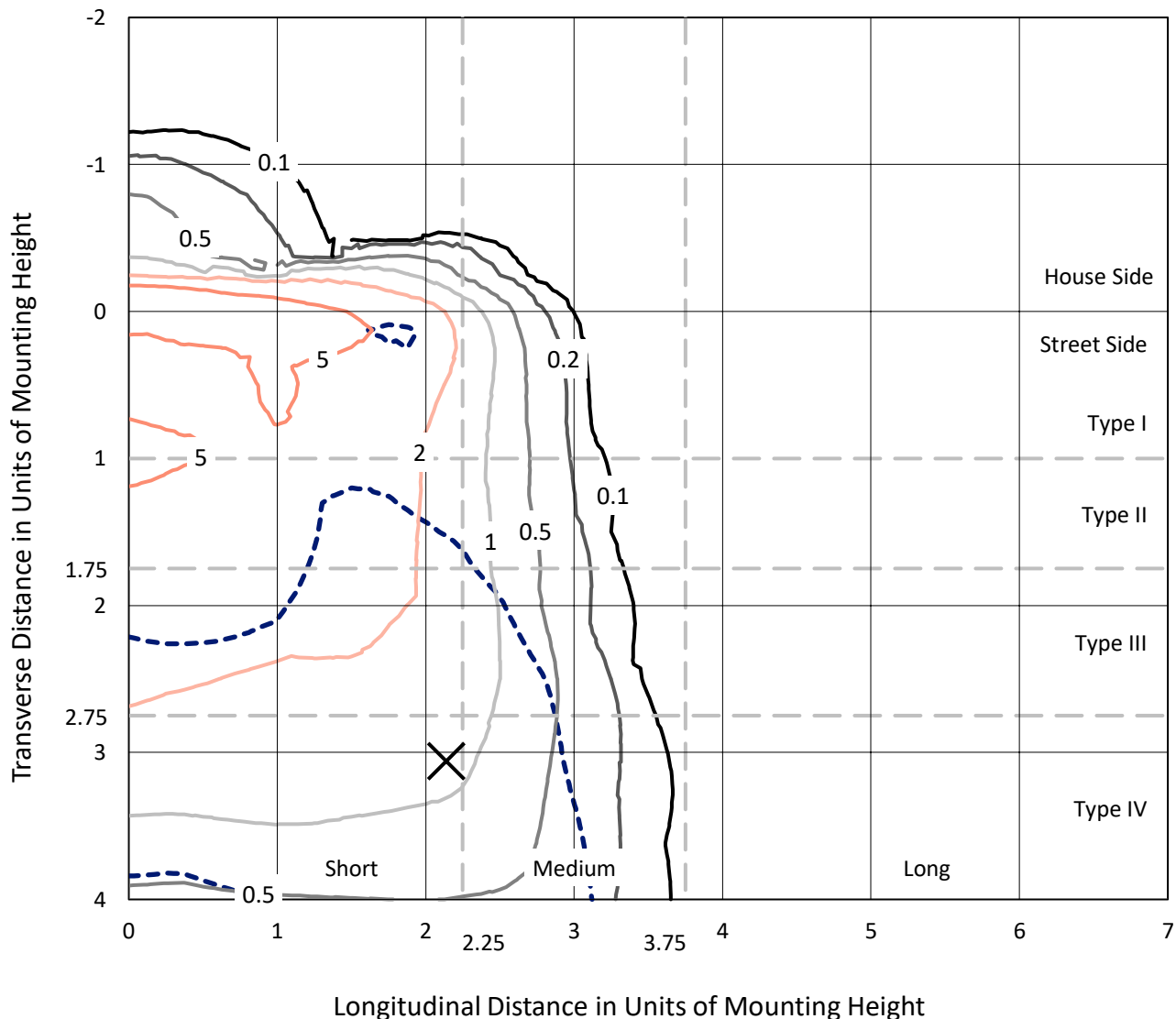
Lumens per Lamp: N/A
Luminaire Lumens: 5887.9 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 160
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

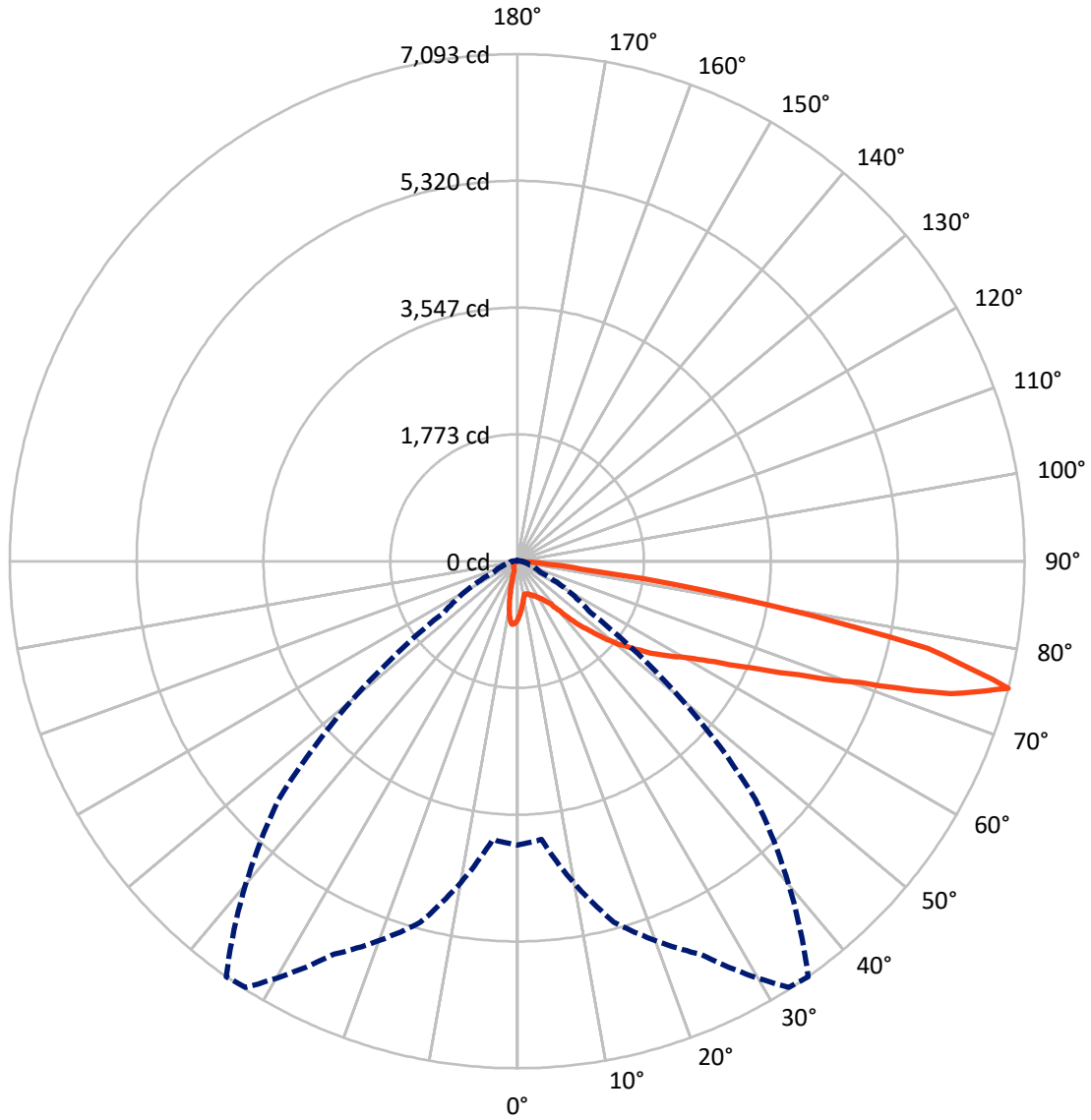
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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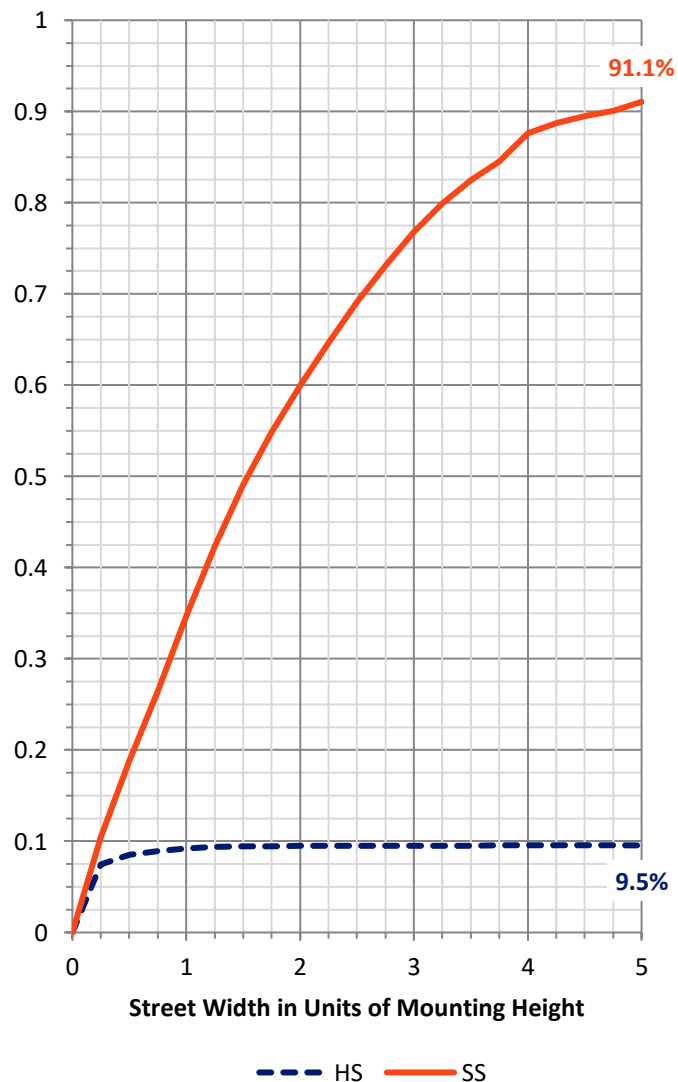
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.5	0.0	565.5
	% Fixture	9.6	0.0	9.6
Street Side	Lumens	5322.4	0.0	5322.4
	% Fixture	90.4	0.0	90.4
Total	Lumens	5887.9	0.0	5887.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	1.2
10°-20°	154.3	2.6
20°-30°	226.5	3.8
30°-40°	364.2	6.2
40°-50°	686.5	11.7
50°-60°	1177.2	20.0
60°-70°	1668.2	28.3
70°-80°	1445.2	24.5
80°-90°	94.8	1.6
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°	5887.9	100.0
0°-180°	5887.9	100.0

Coefficient of Utilization

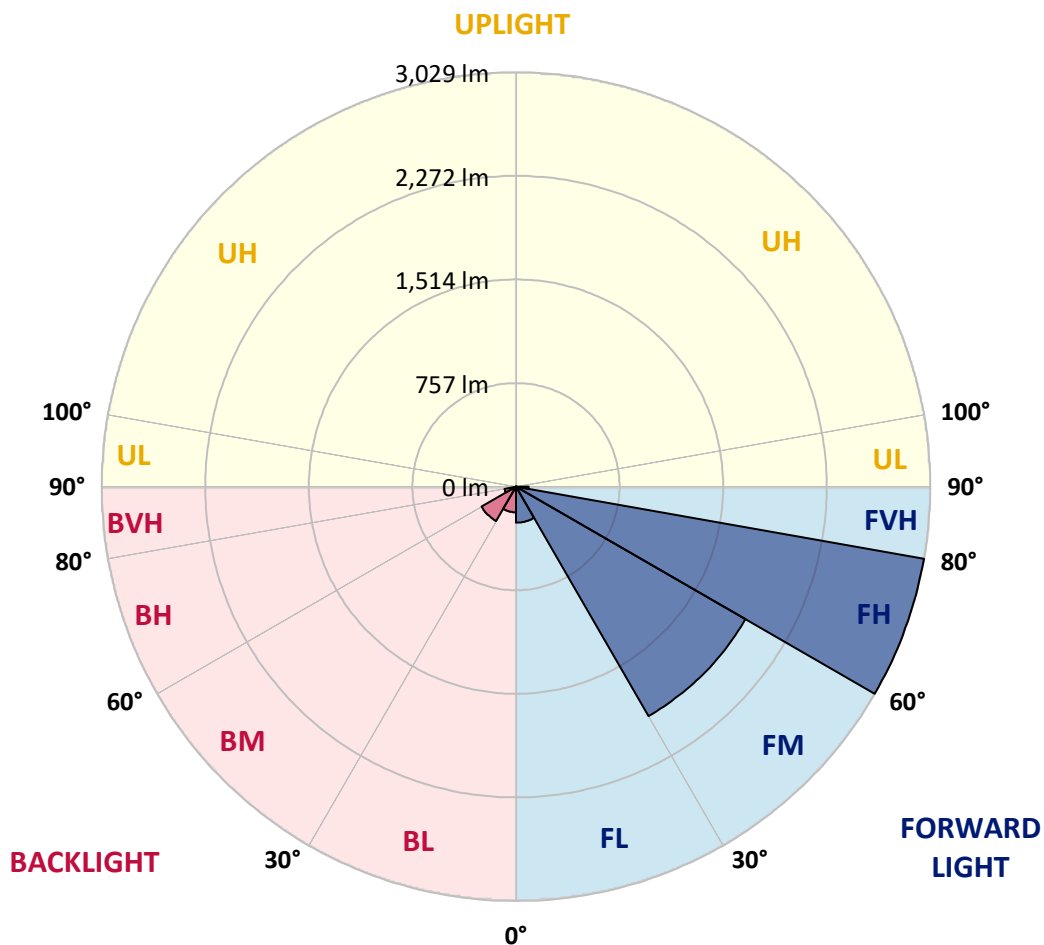


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.8	4.5			
FM (30°-60°)	1936.8	32.9			
FH (60°-80°)	3028.8	51.4			G2/5000
FVH (80°-90°)	92.9	1.6			G1/100
BL (0°-30°)	188.0	3.2	B1/500		
BM (30°-60°)	291.1	4.9	B1/1000		
BH (60°-80°)	84.6	1.4	B0/110		G0/110
BVH (80°-90°)	1.8	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°	32.5°	35°	45°	55°	65°	75°	85°
0°	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3
2.5°	714.5	730.5	734.5	734.5	734.5	742.4	746.4	770.4	786.4	790.3	818.3
5°	614.7	618.7	630.7	642.7	654.6	662.6	682.6	706.5	742.4	786.4	810.3
7.5°	530.9	522.9	534.9	546.9	566.8	578.8	622.7	662.6	702.5	750.4	814.3
10°	463.0	459.0	463.0	479.0	499.0	514.9	554.8	614.7	674.6	754.4	814.3
12.5°	451.1	443.1	435.1	447.1	467.0	471.0	522.9	590.8	658.6	734.5	830.3
15°	459.0	451.1	439.1	447.1	459.0	479.0	514.9	570.8	650.6	750.4	846.2
17.5°	483.0	483.0	459.0	455.0	475.0	479.0	530.9	582.8	646.6	746.4	870.2
20°	506.9	499.0	463.0	471.0	487.0	502.9	534.9	590.8	646.6	746.4	886.1
22.5°	546.9	530.9	483.0	487.0	502.9	510.9	558.8	610.7	662.6	750.4	910.1
25°	574.8	562.8	506.9	510.9	522.9	542.9	578.8	634.7	678.6	758.4	954.0
27.5°	598.7	594.8	542.9	530.9	546.9	554.8	610.7	670.6	710.5	794.3	993.9
30°	630.7	622.7	574.8	558.8	574.8	598.7	638.7	710.5	754.4	830.3	1081.7
32.5°	674.6	662.6	610.7	590.8	618.7	626.7	690.6	778.4	814.3	878.2	1157.6
35°	822.3	802.3	710.5	650.6	658.6	686.6	758.4	846.2	882.2	938.0	1257.4
37.5°	1069.8	1053.8	918.1	794.3	750.4	762.4	842.2	934.0	974.0	1029.8	1421.0
40°	1329.2	1293.3	1197.5	1025.9	930.1	914.1	934.0	1061.8	1101.7	1149.6	1616.6
42.5°	1552.7	1492.9	1369.1	1269.3	1189.5	1141.6	1081.7	1193.5	1261.4	1261.4	1808.2
45°	1704.4	1620.6	1512.8	1437.0	1365.1	1349.2	1281.3	1369.1	1453.0	1449.0	1995.8
47.5°	1772.3	1744.3	1660.5	1640.6	1596.7	1568.7	1528.8	1628.6	1660.5	1624.6	2223.3
50°	1888.0	1828.2	1784.3	1808.2	1812.2	1812.2	1828.2	1900.0	1920.0	1844.1	2530.7
52.5°	1979.9	1967.9	1928.0	1983.8	2019.8	2023.8	2139.5	2227.3	2175.4	2107.6	2858.0
55°	2087.6	2047.7	2055.7	2139.5	2215.4	2267.3	2446.9	2598.6	2438.9	2347.1	3177.3
57.5°	2191.4	2115.6	2227.3	2311.2	2414.9	2494.8	2842.0	2945.8	2558.6	2562.6	3496.7
60°	2343.1	2259.3	2371.0	2510.7	2650.5	2742.3	3273.1	3265.2	2686.4	2730.3	3800.0
62.5°	2702.3	2574.6	2594.6	2746.3	2953.8	3093.5	3708.2	3412.9	2678.4	2842.0	3760.1
65°	3325.0	3205.3	3065.6	3085.5	3444.8	3604.5	4063.5	3480.7	2682.4	2770.2	3241.2
67.5°	4051.5	3867.9	3736.2	3700.3	4039.5	4247.1	4406.8	3452.8	2602.6	2283.2	2155.5
70°	4841.9	4698.2	4646.3	4734.1	5053.4	5097.3	4949.6	3440.8	2131.5	1313.3	886.1
72.5°	5109.3	5121.3	5412.7	5819.8	6314.8	6338.7	5520.4	2742.3	1041.8	411.1	211.6
75°	3971.7	3907.8	5229.1	6067.3	7069.2	7093.1	4714.1	1253.4	351.3	167.6	75.8
77.5°	1193.5	1117.7	2478.8	4482.6	5875.7	5871.7	2407.0	367.2	183.6	131.7	47.9
80°	231.5	235.5	447.1	1560.7	3153.4	3109.5	662.6	163.7	135.7	107.8	27.9
82.5°	51.9	51.9	127.7	383.2	842.2	910.1	171.6	107.8	99.8	91.8	20.0
85°	8.0	8.0	31.9	119.7	187.6	171.6	55.9	59.9	75.8	67.9	12.0
87.5°	0.0	0.0	12.0	35.9	51.9	43.9	16.0	20.0	39.9	39.9	4.0
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°	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3
2.5°	830.3	834.3	834.3	854.2	854.2	862.2	866.2	870.2	866.2	866.2	862.2
5°	830.3	834.3	858.2	882.2	890.1	886.1	890.1	886.1	882.2	870.2	866.2
7.5°	834.3	854.2	882.2	890.1	894.1	866.2	826.3	794.3	746.4	722.5	726.5
10°	838.2	874.2	910.1	898.1	850.2	758.4	674.6	594.8	534.9	502.9	495.0
12.5°	874.2	894.1	922.1	878.2	754.4	610.7	479.0	375.2	311.3	267.4	279.4
15°	886.1	918.1	946.0	834.3	618.7	431.1	279.4	183.6	147.7	139.7	143.7
17.5°	918.1	950.0	938.0	742.4	483.0	255.5	147.7	127.7	123.7	123.7	123.7
20°	950.0	978.0	938.0	642.7	331.3	139.7	119.7	119.7	119.7	119.7	119.7
22.5°	978.0	1017.9	894.1	514.9	179.6	115.8	111.8	115.8	115.8	115.8	111.8
25°	1033.8	1069.8	858.2	383.2	119.7	107.8	111.8	111.8	115.8	111.8	111.8
27.5°	1093.7	1141.6	786.4	243.5	103.8	103.8	107.8	111.8	111.8	111.8	111.8
30°	1181.5	1165.6	710.5	143.7	95.8	91.8	99.8	107.8	111.8	111.8	111.8
32.5°	1261.4	1233.4	614.7	99.8	87.8	87.8	91.8	103.8	111.8	111.8	111.8
35°	1401.1	1309.3	499.0	91.8	83.8	83.8	83.8	95.8	107.8	111.8	111.8
37.5°	1540.8	1393.1	367.2	83.8	79.8	79.8	79.8	87.8	99.8	111.8	107.8
40°	1716.4	1472.9	235.5	79.8	79.8	75.8	75.8	79.8	83.8	103.8	103.8
42.5°	1912.0	1520.8	143.7	79.8	75.8	71.8	71.8	71.8	79.8	87.8	87.8
45°	2003.8	1512.8	103.8	75.8	71.8	71.8	67.9	67.9	67.9	71.8	71.8
47.5°	2151.5	1492.9	83.8	71.8	67.9	67.9	63.9	59.9	63.9	55.9	51.9
50°	2335.1	1524.8	71.8	67.9	63.9	63.9	55.9	51.9	51.9	39.9	39.9
52.5°	2490.8	1520.8	59.9	59.9	63.9	63.9	51.9	47.9	39.9	31.9	31.9
55°	2738.3	1512.8	51.9	51.9	55.9	51.9	43.9	35.9	27.9	23.9	20.0
57.5°	2969.8	1516.8	47.9	43.9	47.9	43.9	35.9	27.9	23.9	16.0	16.0
60°	3137.4	1449.0	43.9	35.9	35.9	31.9	27.9	20.0	16.0	12.0	8.0
62.5°	3073.6	1329.2	35.9	27.9	27.9	27.9	20.0	16.0	12.0	4.0	4.0
65°	2578.6	1001.9	27.9	23.9	20.0	20.0	16.0	12.0	8.0	4.0	0.0
67.5°	1608.6	526.9	23.9	16.0	16.0	16.0	12.0	8.0	4.0	0.0	0.0
70°	590.8	191.6	23.9	16.0	12.0	12.0	8.0	8.0	4.0	0.0	0.0
72.5°	143.7	63.9	20.0	16.0	12.0	12.0	8.0	4.0	4.0	0.0	0.0
75°	59.9	31.9	16.0	12.0	12.0	8.0	8.0	4.0	0.0	0.0	0.0
77.5°	35.9	23.9	16.0	12.0	8.0	8.0	4.0	4.0	0.0	0.0	0.0
80°	23.9	20.0	12.0	12.0	8.0	4.0	4.0	4.0	0.0	0.0	0.0
82.5°	20.0	16.0	12.0	8.0	8.0	4.0	4.0	4.0	0.0	0.0	0.0
85°	8.0	8.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	4.0	4.0	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)