

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: P565395

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T4FT-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565395
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-T4FT-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4FT distribution lens and House Side Shield
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

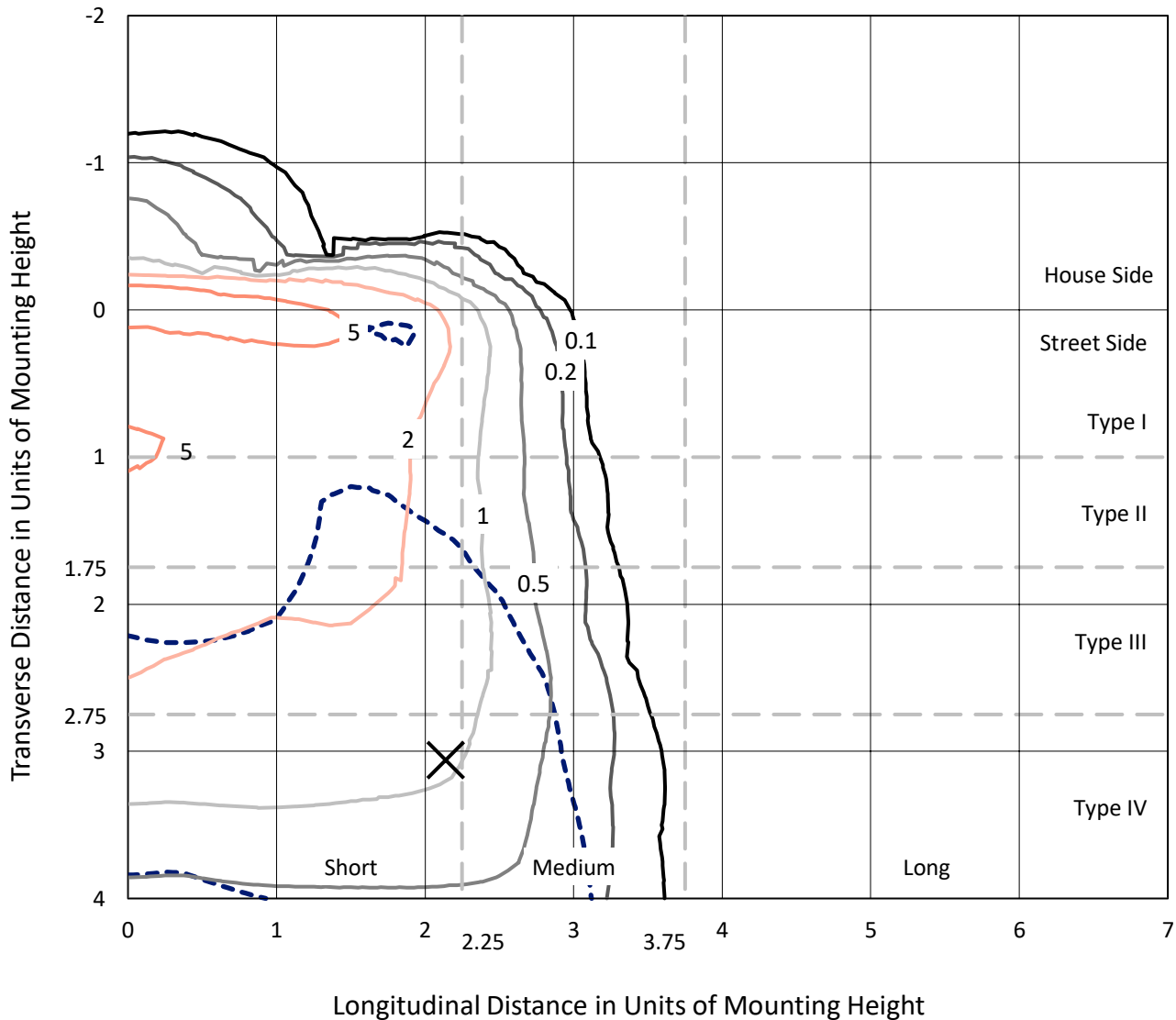
Lumens per Lamp: N/A
Luminaire Lumens: 5379.8 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

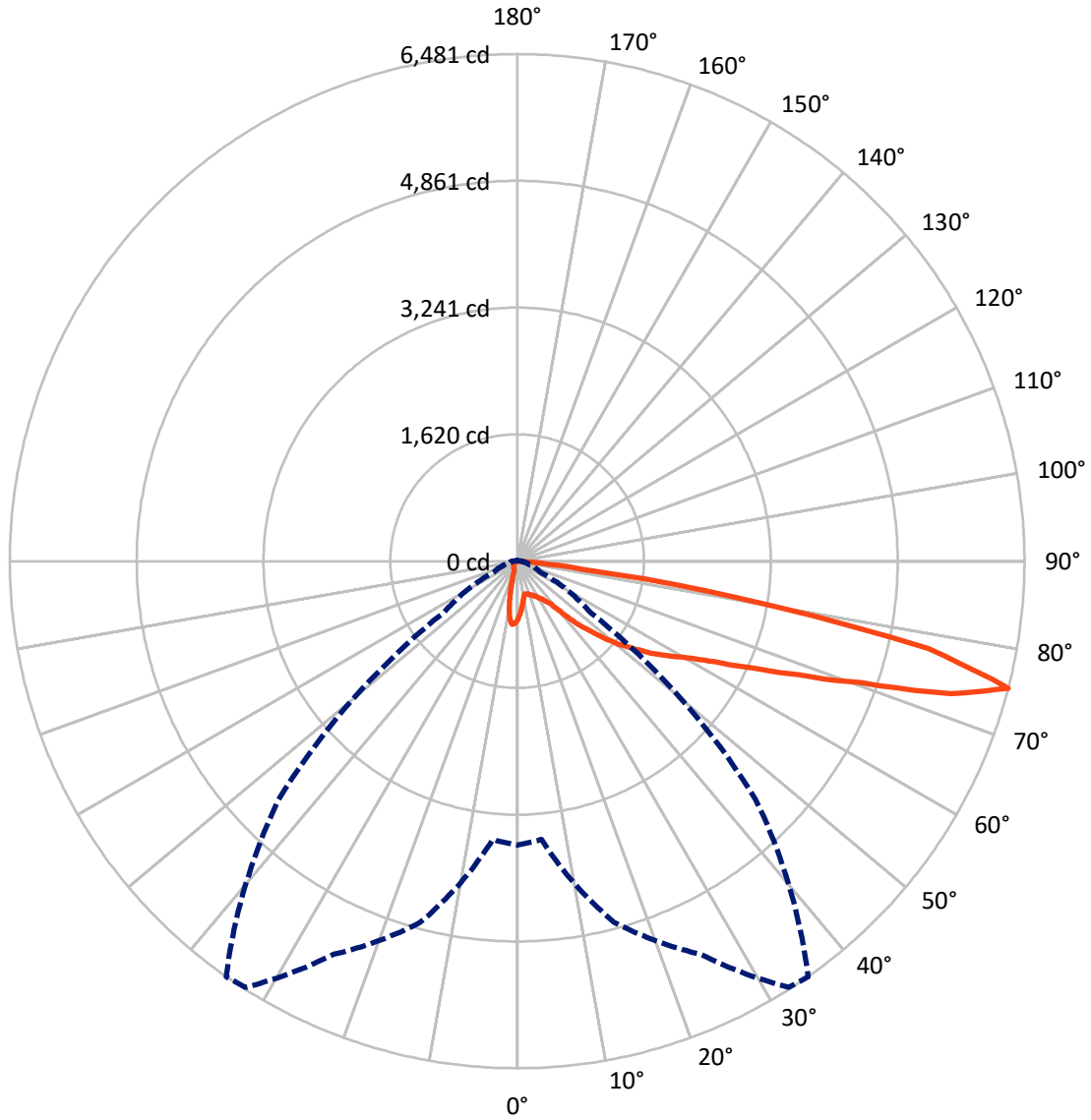
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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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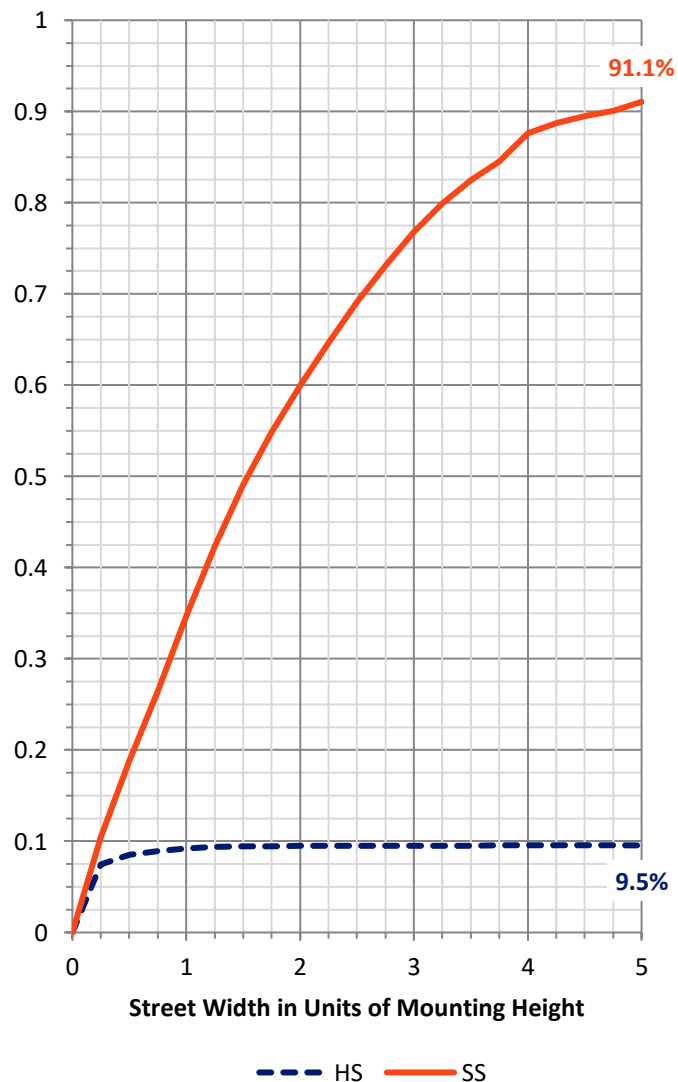
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.7	0.0	516.7
	% Fixture	9.6	0.0	9.6
Street Side	Lumens	4863.1	0.0	4863.1
	% Fixture	90.4	0.0	90.4
Total	Lumens	5379.8	0.0	5379.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.2
10°-20°	141.0	2.6
20°-30°	206.9	3.8
30°-40°	332.8	6.2
40°-50°	627.3	11.7
50°-60°	1075.7	20.0
60°-70°	1524.3	28.3
70°-80°	1320.5	24.5
80°-90°	86.6	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°	5379.8	100.0
0°-180°	5379.8	100.0

Coefficient of Utilization

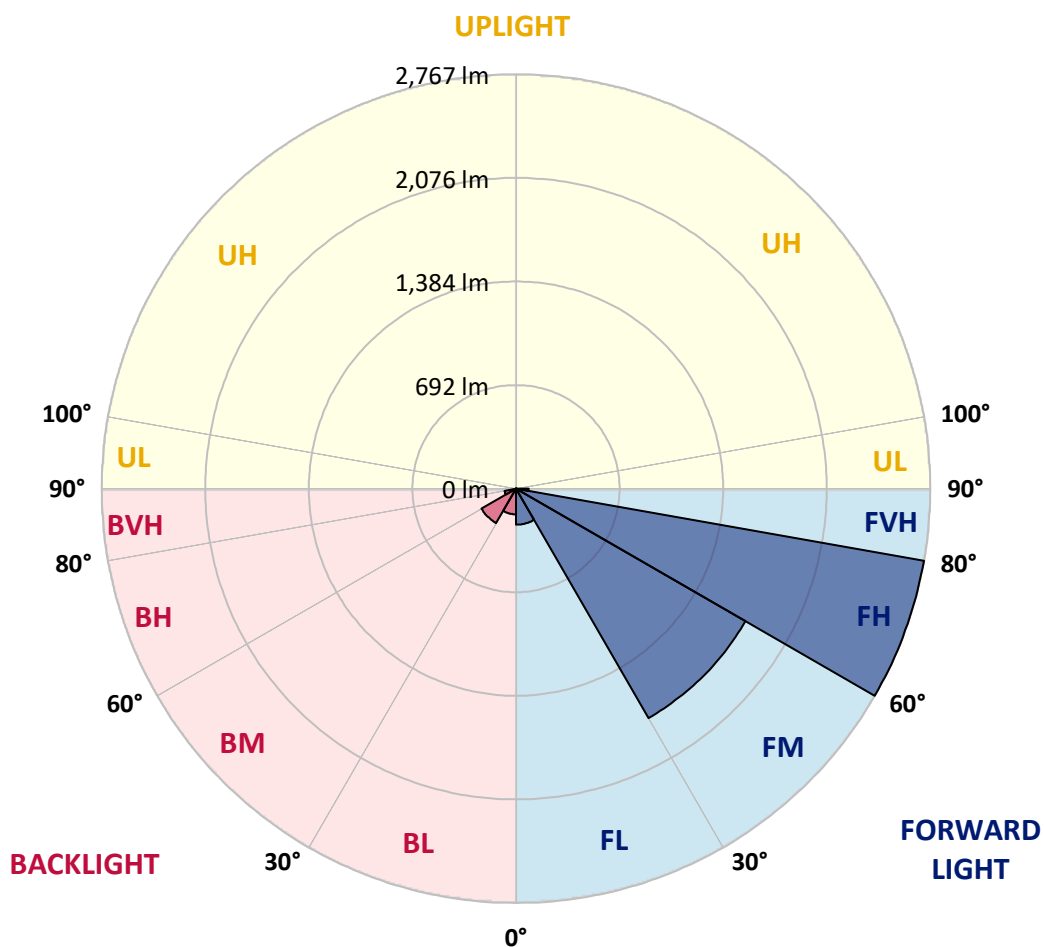


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.1	4.5			
FM (30°-60°)	1769.7	32.9			
FH (60°-80°)	2767.5	51.4			G2/5000
FVH (80°-90°)	84.9	1.6			G1/100
BL (0°-30°)	171.7	3.2	B1/500		
BM (30°-60°)	266.0	4.9	B1/1000		
BH (60°-80°)	77.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.7	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°	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7
2.5°	652.9	667.4	671.1	671.1	671.1	678.4	682.0	703.9	718.5	722.2	747.7
5°	561.7	565.3	576.3	587.2	598.1	605.4	623.7	645.6	678.4	718.5	740.4
7.5°	485.1	477.8	488.7	499.7	517.9	528.8	569.0	605.4	641.9	685.7	744.0
10°	423.1	419.4	423.1	437.7	455.9	470.5	507.0	561.7	616.4	689.3	744.0
12.5°	412.1	404.8	397.5	408.5	426.7	430.4	477.8	539.8	601.8	671.1	758.6
15°	419.4	412.1	401.2	408.5	419.4	437.7	470.5	521.6	594.5	685.7	773.2
17.5°	441.3	441.3	419.4	415.8	434.0	437.7	485.1	532.5	590.9	682.0	795.1
20°	463.2	455.9	423.1	430.4	445.0	459.6	488.7	539.8	590.9	682.0	809.7
22.5°	499.7	485.1	441.3	445.0	459.6	466.8	510.6	558.0	605.4	685.7	831.6
25°	525.2	514.3	463.2	466.8	477.8	496.0	528.8	579.9	620.0	693.0	871.7
27.5°	547.1	543.4	496.0	485.1	499.7	507.0	558.0	612.7	649.2	725.8	908.2
30°	576.3	569.0	525.2	510.6	525.2	547.1	583.6	649.2	689.3	758.6	988.4
32.5°	616.4	605.4	558.0	539.8	565.3	572.6	631.0	711.2	744.0	802.4	1057.7
35°	751.3	733.1	649.2	594.5	601.8	627.3	693.0	773.2	806.0	857.1	1148.9
37.5°	977.5	962.9	838.9	725.8	685.7	696.6	769.6	853.5	889.9	941.0	1298.4
40°	1214.5	1181.7	1094.2	937.3	849.8	835.2	853.5	970.2	1006.6	1050.4	1477.1
42.5°	1418.8	1364.1	1251.0	1159.8	1086.9	1043.1	988.4	1090.5	1152.5	1152.5	1652.2
45°	1557.4	1480.8	1382.3	1313.0	1247.4	1232.8	1170.8	1251.0	1327.6	1323.9	1823.6
47.5°	1619.4	1593.8	1517.2	1499.0	1458.9	1433.4	1396.9	1488.1	1517.2	1484.4	2031.5
50°	1725.1	1670.4	1630.3	1652.2	1655.8	1655.8	1670.4	1736.1	1754.3	1685.0	2312.3
52.5°	1809.0	1798.1	1761.6	1812.7	1845.5	1849.1	1954.9	2035.2	1987.7	1925.7	2611.4
55°	1907.5	1871.0	1878.3	1954.9	2024.2	2071.6	2235.8	2374.3	2228.5	2144.6	2903.2
57.5°	2002.3	1933.0	2035.2	2111.7	2206.6	2279.5	2596.8	2691.7	2337.9	2341.5	3195.0
60°	2140.9	2064.3	2166.5	2294.1	2421.8	2505.6	2990.7	2983.4	2454.6	2494.7	3472.2
62.5°	2469.2	2352.5	2370.7	2509.3	2699.0	2826.6	3388.3	3118.4	2447.3	2596.8	3435.7
65°	3038.1	2928.7	2801.1	2819.3	3147.6	3293.5	3712.9	3180.4	2450.9	2531.2	2961.6
67.5°	3701.9	3534.2	3413.8	3381.0	3691.0	3880.7	4026.5	3154.9	2378.0	2086.2	1969.5
70°	4424.1	4292.8	4245.4	4325.6	4617.4	4657.5	4522.6	3143.9	1947.6	1199.9	809.7
72.5°	4668.5	4679.4	4945.6	5317.7	5769.9	5791.8	5044.1	2505.6	951.9	375.7	193.3
75°	3629.0	3570.6	4777.9	5543.8	6459.3	6481.1	4307.4	1145.2	321.0	153.2	69.3
77.5°	1090.5	1021.2	2264.9	4095.8	5368.7	5365.1	2199.3	335.5	167.8	120.4	43.8
80°	211.5	215.2	408.5	1426.1	2881.3	2841.2	605.4	149.5	124.0	98.5	25.5
82.5°	47.4	47.4	116.7	350.1	769.6	831.6	156.8	98.5	91.2	83.9	18.2
85°	7.3	7.3	29.2	109.4	171.4	156.8	51.1	54.7	69.3	62.0	10.9
87.5°	0.0	0.0	10.9	32.8	47.4	40.1	14.6	18.2	36.5	36.5	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°	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7
2.5°	758.6	762.3	762.3	780.5	780.5	787.8	791.4	795.1	791.4	791.4	787.8
5°	758.6	762.3	784.2	806.0	813.3	809.7	813.3	809.7	806.0	795.1	791.4
7.5°	762.3	780.5	806.0	813.3	817.0	791.4	755.0	725.8	682.0	660.1	663.8
10°	765.9	798.7	831.6	820.6	776.9	693.0	616.4	543.4	488.7	459.6	452.3
12.5°	798.7	817.0	842.5	802.4	689.3	558.0	437.7	342.8	284.5	244.4	255.3
15°	809.7	838.9	864.4	762.3	565.3	393.9	255.3	167.8	134.9	127.7	131.3
17.5°	838.9	868.0	857.1	678.4	441.3	233.4	134.9	116.7	113.1	113.1	113.1
20°	868.0	893.6	857.1	587.2	302.7	127.7	109.4	109.4	109.4	109.4	109.4
22.5°	893.6	930.0	817.0	470.5	164.1	105.8	102.1	105.8	105.8	105.8	102.1
25°	944.6	977.5	784.2	350.1	109.4	98.5	102.1	102.1	105.8	102.1	102.1
27.5°	999.3	1043.1	718.5	222.5	94.8	94.8	98.5	102.1	102.1	102.1	102.1
30°	1079.6	1065.0	649.2	131.3	87.5	83.9	91.2	98.5	102.1	102.1	102.1
32.5°	1152.5	1127.0	561.7	91.2	80.2	80.2	83.9	94.8	102.1	102.1	102.1
35°	1280.2	1196.3	455.9	83.9	76.6	76.6	76.6	87.5	98.5	102.1	102.1
37.5°	1407.8	1272.9	335.5	76.6	72.9	72.9	72.9	80.2	91.2	102.1	98.5
40°	1568.3	1345.8	215.2	72.9	72.9	69.3	69.3	72.9	76.6	94.8	94.8
42.5°	1747.0	1389.6	131.3	72.9	69.3	65.7	65.7	65.7	72.9	80.2	80.2
45°	1830.9	1382.3	94.8	69.3	65.7	65.7	62.0	62.0	62.0	65.7	65.7
47.5°	1965.9	1364.1	76.6	65.7	62.0	62.0	58.4	54.7	58.4	51.1	47.4
50°	2133.6	1393.2	65.7	62.0	58.4	58.4	51.1	47.4	47.4	36.5	36.5
52.5°	2275.9	1389.6	54.7	54.7	58.4	58.4	47.4	43.8	36.5	29.2	29.2
55°	2502.0	1382.3	47.4	47.4	51.1	47.4	40.1	32.8	25.5	21.9	18.2
57.5°	2713.5	1385.9	43.8	40.1	43.8	40.1	32.8	25.5	21.9	14.6	14.6
60°	2866.7	1323.9	40.1	32.8	32.8	29.2	25.5	18.2	14.6	10.9	7.3
62.5°	2808.4	1214.5	32.8	25.5	25.5	25.5	18.2	14.6	10.9	3.6	3.6
65°	2356.1	915.5	25.5	21.9	18.2	18.2	14.6	10.9	7.3	3.6	0.0
67.5°	1469.8	481.4	21.9	14.6	14.6	14.6	10.9	7.3	3.6	0.0	0.0
70°	539.8	175.1	21.9	14.6	10.9	10.9	7.3	7.3	3.6	0.0	0.0
72.5°	131.3	58.4	18.2	14.6	10.9	10.9	7.3	3.6	3.6	0.0	0.0
75°	54.7	29.2	14.6	10.9	10.9	7.3	7.3	3.6	0.0	0.0	0.0
77.5°	32.8	21.9	14.6	10.9	7.3	7.3	3.6	3.6	0.0	0.0	0.0
80°	21.9	18.2	10.9	10.9	7.3	3.6	3.6	3.6	0.0	0.0	0.0
82.5°	18.2	14.6	10.9	7.3	7.3	3.6	3.6	3.6	0.0	0.0	0.0
85°	7.3	7.3	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.6	3.6	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)