

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: P565363

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T2-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565363
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-T2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2 distribution lens and House Side Shield
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

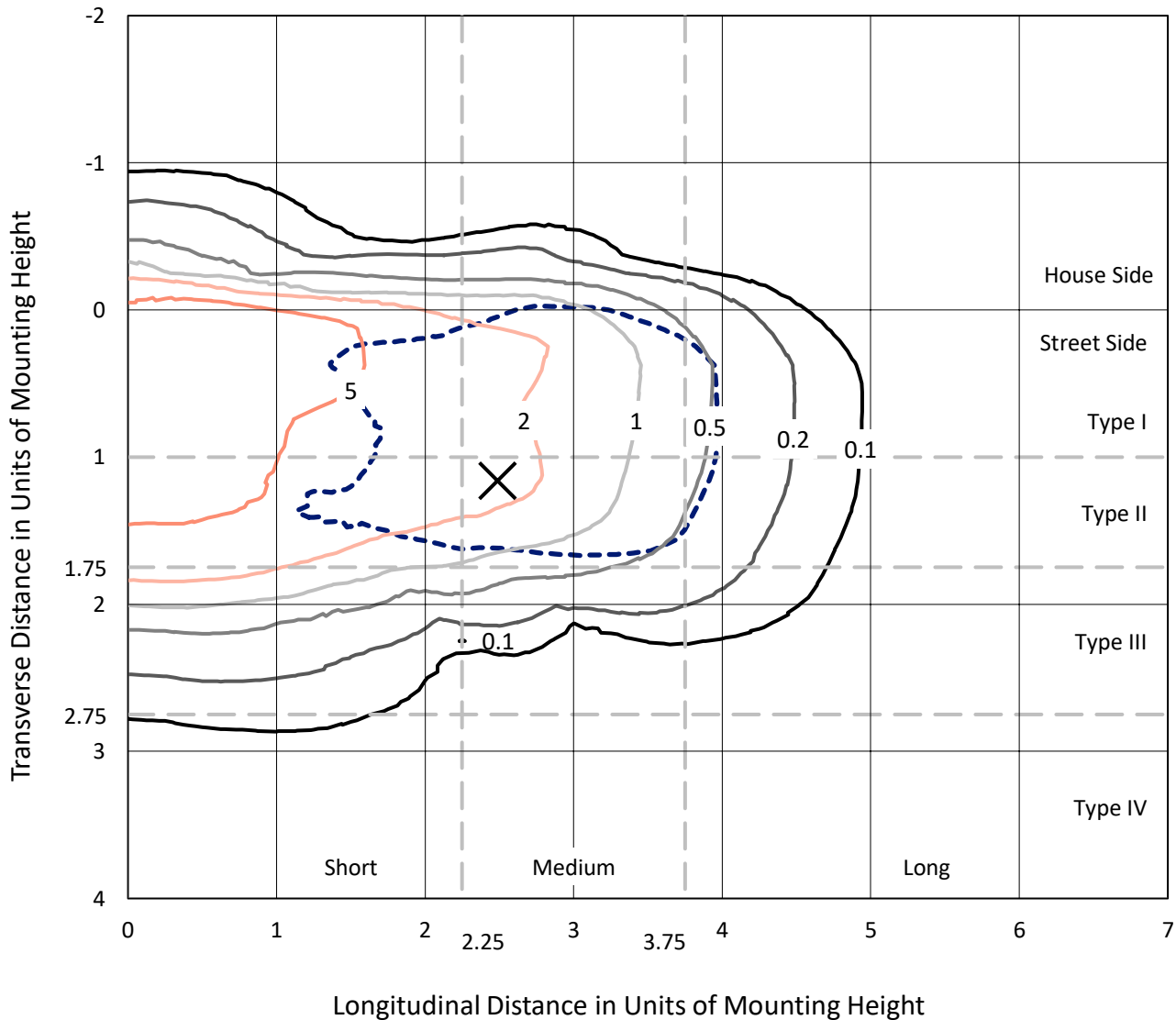
Lumens per Lamp: N/A
Luminaire Lumens: 5358.2 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

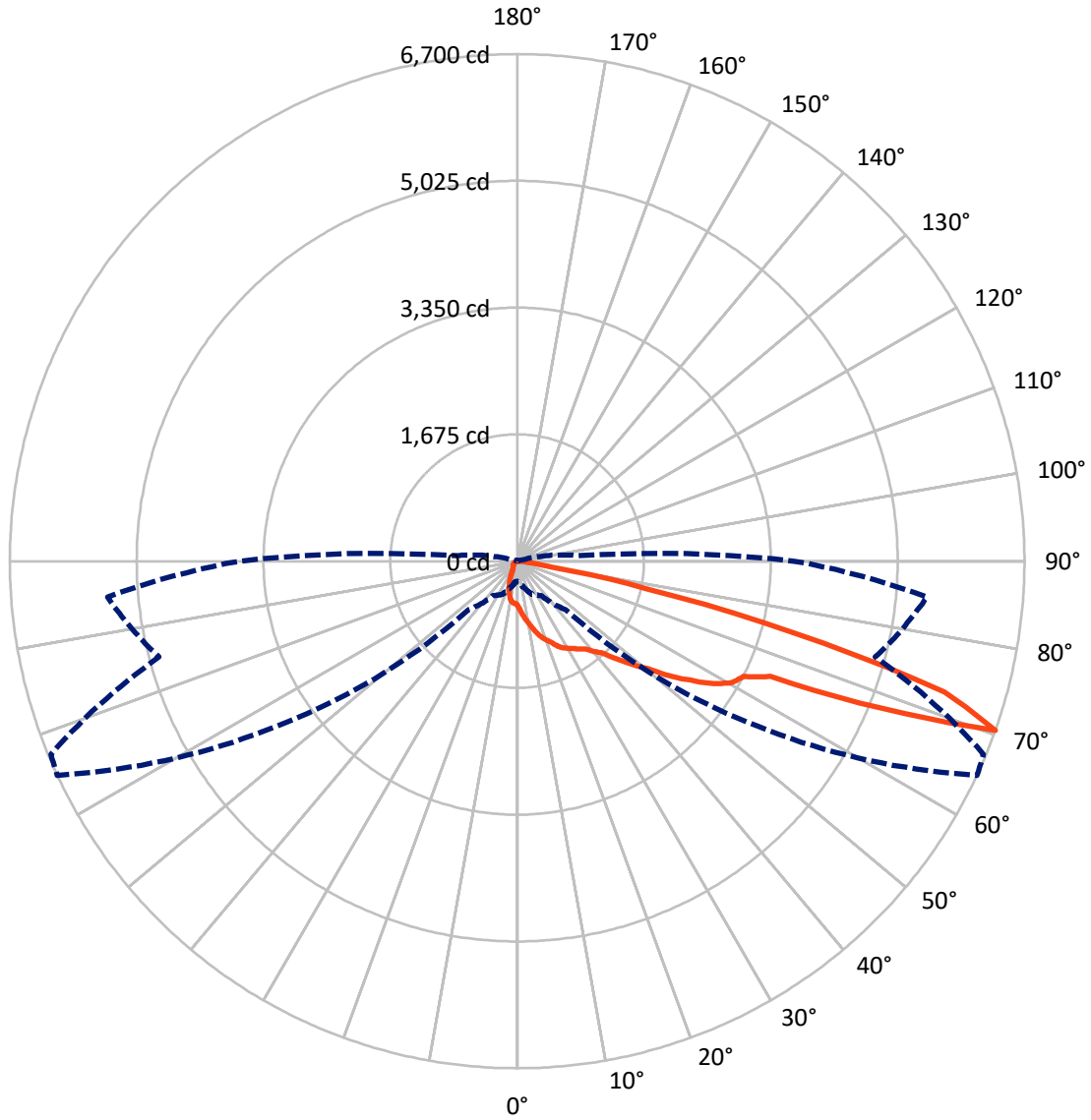
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 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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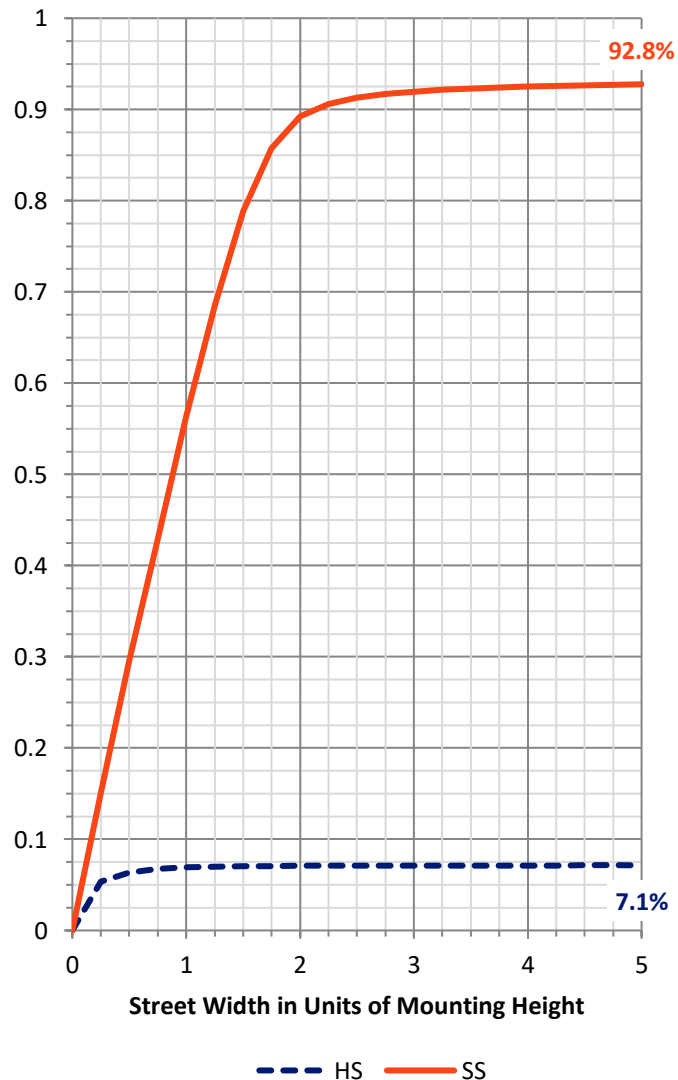
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	384.5	0.0	384.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4973.7	0.0	4973.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	5358.2	0.0	5358.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.1
10°-20°	165.8	3.1
20°-30°	274.4	5.1
30°-40°	477.8	8.9
40°-50°	833.4	15.6
50°-60°	1303.3	24.3
60°-70°	1388.4	25.9
70°-80°	821.5	15.3
80°-90°	35.6	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°	5358.2	100.0
0°-180°	5358.2	100.0

Coefficient of Utilization

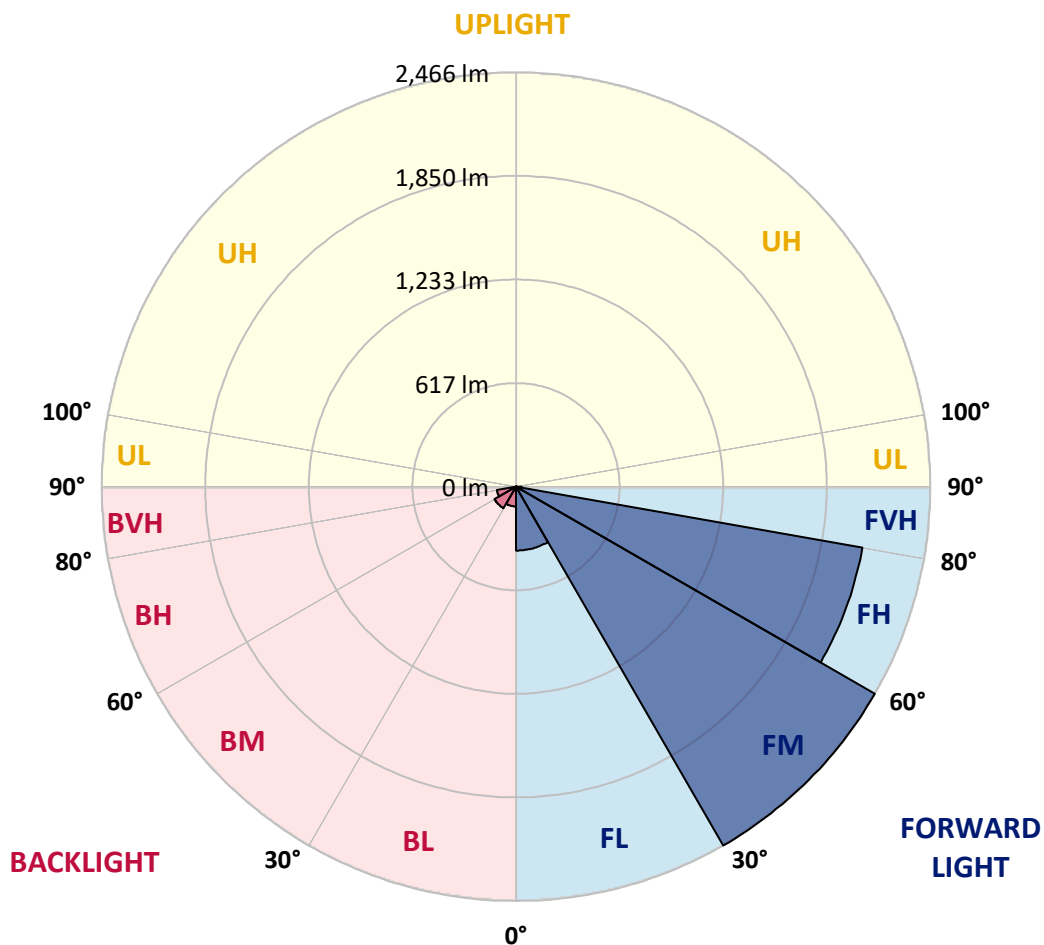


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.6	7.1			
FM (30°-60°)	2466.3	46.0			
FH (60°-80°)	2093.6	39.1			G2/5000
FVH (80°-90°)	33.3	0.6			G1/100
BL (0°-30°)	117.7	2.2	B1/500		
BM (30°-60°)	148.2	2.8	B0/220		
BH (60°-80°)	116.3	2.2	B1/500		G1/500
BVH (80°-90°)	2.3	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	667.1	674.2	670.7	667.1	660.1	660.1	649.5	631.8	628.3	624.8	607.1
5°	730.7	720.1	727.2	727.2	734.2	730.7	713.0	698.9	688.3	674.2	642.4
7.5°	727.2	727.2	734.2	744.8	755.4	769.5	776.6	769.5	755.4	734.2	691.9
10°	730.7	734.2	734.2	758.9	787.2	801.3	833.0	833.0	826.0	808.3	766.0
12.5°	716.6	727.2	748.3	776.6	811.9	836.6	878.9	903.6	907.2	882.5	833.0
15°	677.7	691.9	716.6	762.4	822.5	875.4	931.9	991.9	999.0	988.4	903.6
17.5°	635.4	638.9	663.6	716.6	797.7	889.5	991.9	1059.0	1073.1	1080.1	991.9
20°	617.7	624.8	638.9	681.3	751.9	878.9	1027.2	1111.9	1136.6	1143.7	1055.4
22.5°	635.4	646.0	642.4	670.7	734.2	850.7	1041.3	1168.4	1193.1	1235.5	1126.0
25°	734.2	741.3	730.7	713.0	723.6	829.5	1037.8	1246.0	1260.2	1330.8	1186.0
27.5°	900.1	917.8	882.5	836.6	790.7	843.6	1051.9	1295.5	1327.2	1429.6	1249.6
30°	1059.0	1062.5	1051.9	999.0	896.6	889.5	1073.1	1337.8	1401.4	1524.9	1344.9
32.5°	1175.4	1179.0	1182.5	1154.3	1069.5	995.4	1090.7	1376.6	1461.4	1602.6	1415.5
35°	1366.1	1369.6	1327.2	1302.5	1239.0	1115.4	1129.6	1426.1	1510.8	1712.0	1507.3
37.5°	1595.5	1648.4	1574.3	1475.5	1387.2	1260.2	1217.8	1472.0	1556.7	1849.6	1623.7
40°	1793.2	1846.1	1782.6	1704.9	1574.3	1426.1	1327.2	1567.3	1641.4	2008.5	1764.9
42.5°	1983.8	2019.1	2008.5	1906.1	1796.7	1655.5	1482.5	1659.0	1747.3	2199.1	1923.8
45°	2132.0	2153.2	2163.8	2100.3	1966.1	1902.6	1708.5	1846.1	1920.2	2428.5	2107.3
47.5°	2266.2	2305.0	2283.8	2266.2	2153.2	2156.7	1920.2	2033.2	2132.0	2647.4	2361.5
50°	2403.8	2421.5	2407.4	2403.8	2322.6	2393.2	2142.6	2230.9	2375.6	2894.5	2569.7
52.5°	2622.7	2598.0	2608.6	2590.9	2513.3	2559.1	2259.1	2520.3	2622.7	3145.1	2880.4
55°	2813.3	2778.0	2891.0	2908.6	2788.6	2633.3	2379.1	2774.5	2891.0	3388.7	3116.9
57.5°	2718.0	2742.7	2979.2	3123.9	3272.2	2869.8	2485.0	3056.9	3166.3	3551.0	3226.3
60°	2308.5	2312.1	2643.9	3003.9	3346.3	3342.8	2703.9	3258.1	3388.7	3600.5	3293.4
62.5°	1422.5	1535.5	1892.0	2485.0	3088.6	3505.2	3265.1	3353.4	3431.0	3582.8	3413.4
65°	684.8	713.0	963.7	1376.6	2248.5	3272.2	3949.9	3671.1	3544.0	3561.6	3596.9
67.5°	402.4	423.6	554.2	681.3	1059.0	2329.7	4288.8	5196.0	4613.5	3942.9	4211.1
70°	264.7	275.3	363.6	487.1	550.7	903.6	3699.3	6699.7	6664.4	4895.9	5432.5
72.5°	165.9	176.5	243.6	345.9	409.5	356.5	1757.9	5901.9	6276.1	5598.4	5545.4
75°	113.0	116.5	148.3	247.1	303.6	236.5	458.9	3766.4	4299.4	4458.2	4020.5
77.5°	77.7	81.2	98.8	151.8	211.8	162.4	176.5	1740.2	2008.5	2234.4	1930.8
80°	42.4	45.9	70.6	91.8	144.7	105.9	116.5	465.9	550.7	614.2	458.9
82.5°	17.6	21.2	35.3	56.5	98.8	67.1	60.0	134.1	151.8	173.0	95.3
85°	3.5	3.5	17.6	42.4	45.9	31.8	28.2	63.5	77.7	70.6	31.8
87.5°	0.0	0.0	7.1	7.1	14.1	10.6	7.1	14.1	21.2	28.2	7.1
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°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	600.1	593.0	586.0	561.2	557.7	543.6	525.9	522.4	515.4	508.3	504.8
5°	628.3	617.7	589.5	554.2	533.0	508.3	487.1	476.5	462.4	451.8	444.8
7.5°	677.7	642.4	600.1	543.6	504.8	458.9	423.6	405.9	381.2	370.6	367.1
10°	720.1	684.8	603.6	515.4	448.3	391.8	349.5	307.1	282.4	268.3	261.2
12.5°	780.1	734.2	596.5	469.5	388.3	307.1	250.6	197.7	180.0	165.9	169.4
15°	843.6	776.6	582.4	416.5	317.7	222.4	162.4	134.1	134.1	130.6	130.6
17.5°	896.6	794.2	533.0	363.6	243.6	148.3	123.5	123.5	123.5	120.0	120.0
20°	967.2	804.8	476.5	303.6	165.9	116.5	109.4	109.4	109.4	102.4	102.4
22.5°	1013.1	797.7	413.0	243.6	116.5	105.9	95.3	91.8	88.2	81.2	81.2
25°	1041.3	773.0	370.6	176.5	105.9	91.8	81.2	77.7	70.6	67.1	67.1
27.5°	1090.7	734.2	328.3	130.6	98.8	84.7	70.6	63.5	60.0	56.5	56.5
30°	1133.1	702.4	278.9	109.4	88.2	74.1	60.0	56.5	52.9	49.4	49.4
32.5°	1179.0	660.1	229.4	105.9	81.2	63.5	52.9	49.4	45.9	45.9	45.9
35°	1193.1	603.6	190.6	98.8	74.1	56.5	49.4	45.9	42.4	42.4	42.4
37.5°	1224.9	564.8	151.8	91.8	67.1	52.9	49.4	42.4	38.8	38.8	35.3
40°	1281.3	525.9	120.0	84.7	63.5	52.9	45.9	38.8	35.3	31.8	31.8
42.5°	1320.2	494.2	109.4	77.7	56.5	49.4	42.4	35.3	31.8	28.2	28.2
45°	1390.8	469.5	102.4	70.6	52.9	45.9	38.8	31.8	24.7	21.2	21.2
47.5°	1517.8	462.4	95.3	63.5	52.9	42.4	35.3	24.7	21.2	17.6	17.6
50°	1616.7	448.3	91.8	60.0	49.4	38.8	28.2	21.2	14.1	14.1	14.1
52.5°	1768.5	448.3	84.7	56.5	45.9	35.3	24.7	17.6	14.1	10.6	10.6
55°	1895.5	458.9	81.2	52.9	42.4	28.2	21.2	14.1	10.6	10.6	7.1
57.5°	1980.3	448.3	77.7	49.4	38.8	24.7	17.6	14.1	10.6	7.1	7.1
60°	2065.0	444.8	70.6	45.9	31.8	21.2	17.6	10.6	7.1	7.1	3.5
62.5°	2142.6	444.8	60.0	38.8	24.7	17.6	14.1	10.6	7.1	3.5	3.5
65°	2329.7	473.0	49.4	31.8	21.2	14.1	10.6	7.1	3.5	3.5	3.5
67.5°	2788.6	603.6	42.4	24.7	17.6	14.1	10.6	7.1	3.5	0.0	0.0
70°	3671.1	811.9	35.3	21.2	14.1	10.6	7.1	3.5	0.0	0.0	0.0
72.5°	3476.9	621.3	28.2	17.6	14.1	10.6	7.1	3.5	0.0	0.0	0.0
75°	2393.2	243.6	21.2	14.1	10.6	7.1	3.5	3.5	0.0	0.0	0.0
77.5°	1069.5	74.1	17.6	10.6	7.1	3.5	3.5	3.5	0.0	0.0	0.0
80°	201.2	31.8	10.6	10.6	7.1	3.5	3.5	0.0	0.0	0.0	0.0
82.5°	45.9	21.2	10.6	7.1	7.1	3.5	3.5	0.0	0.0	0.0	0.0
85°	21.2	10.6	7.1	7.1	3.5	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.5	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)