

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: P483456

Luminaire Tested: **IFLD-S-SA2B-722-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483456  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-722-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

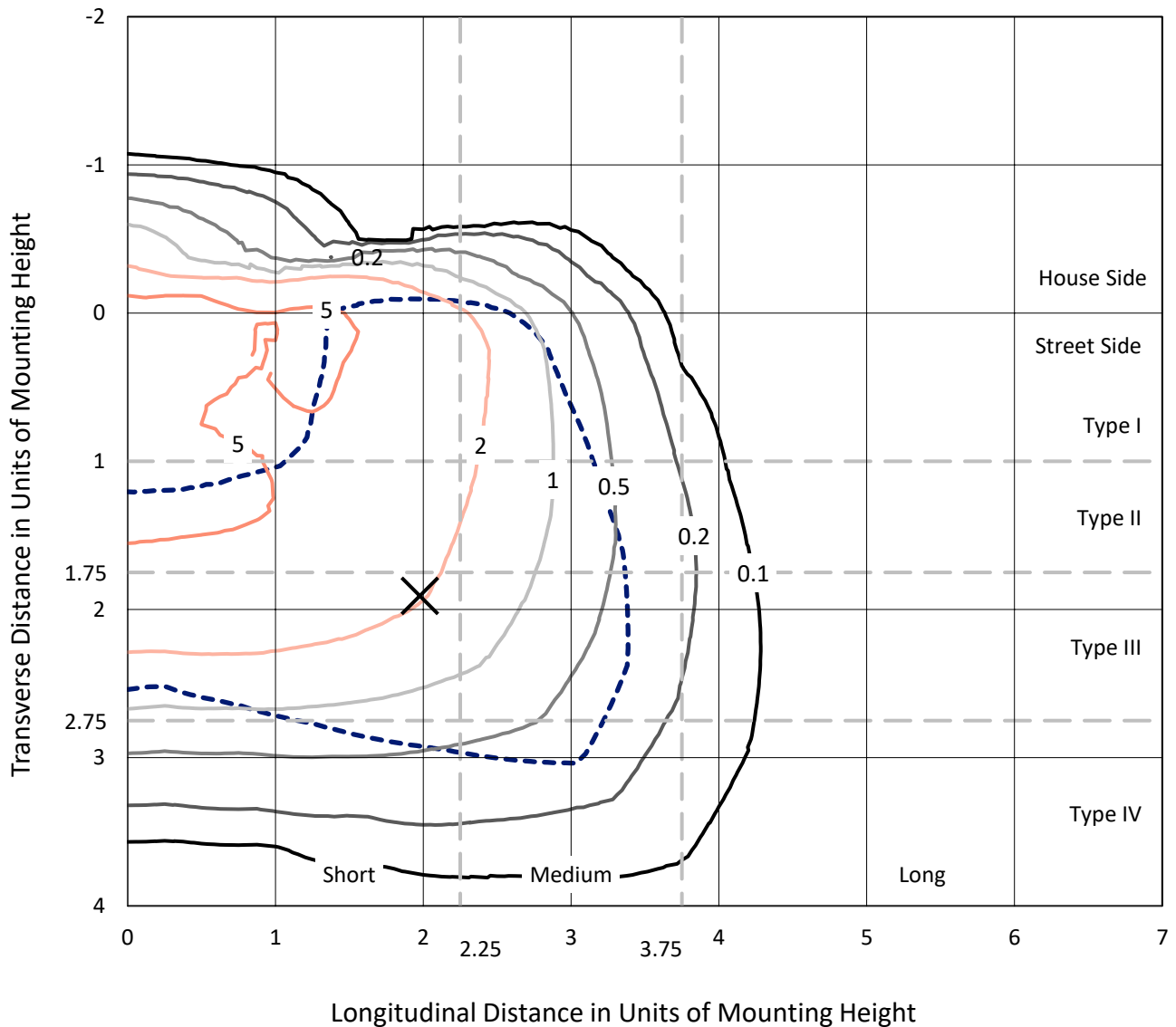
Lumens per Lamp: N/A  
Luminaire Lumens: 6205.4 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4  
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

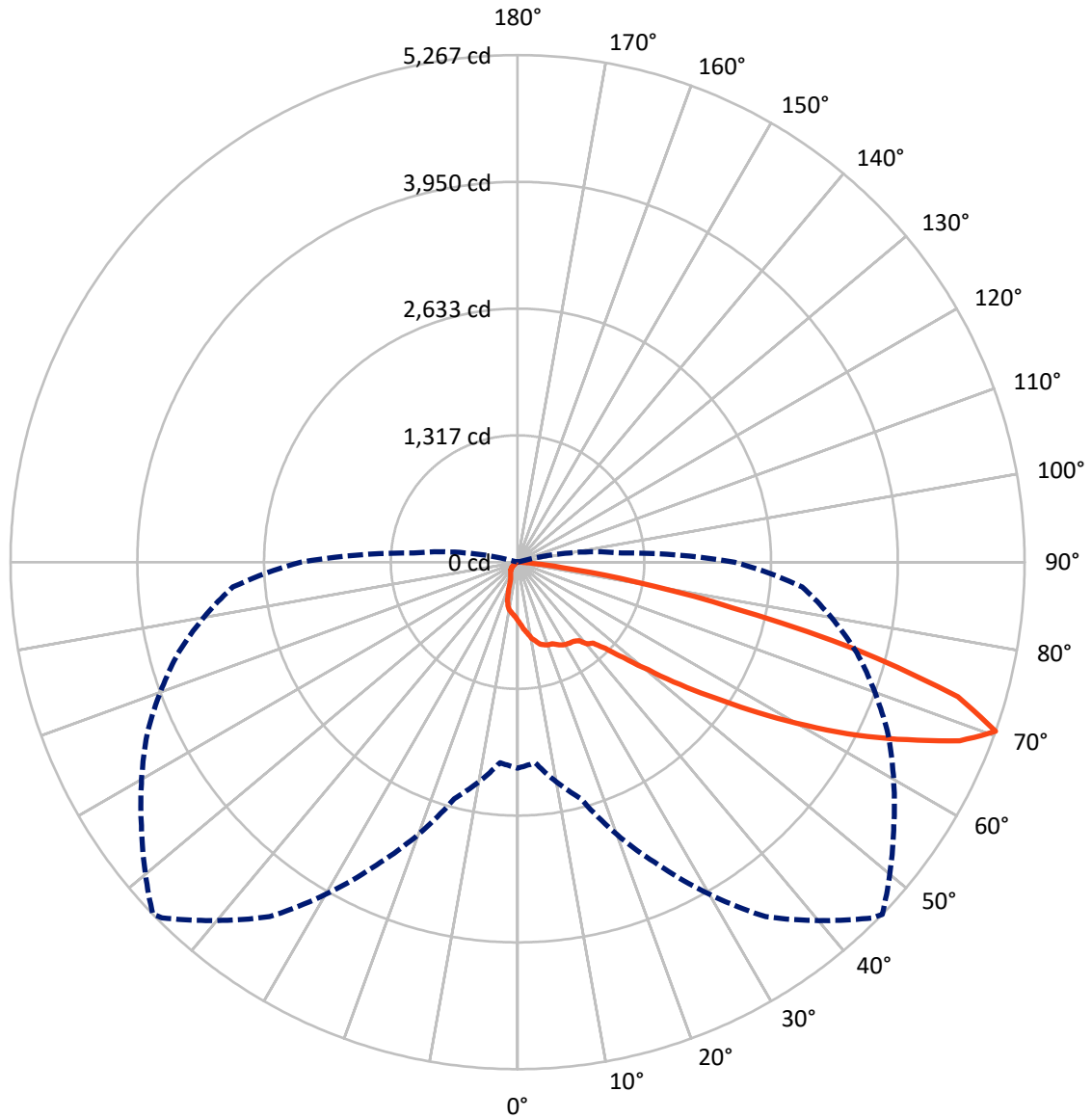
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	617.5	0.0	617.5
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	5588.0	0.0	5588.0
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	6205.4	0.0	6205.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	1.0
10°-20°	183.4	3.0
20°-30°	293.8	4.7
30°-40°	419.4	6.8
40°-50°	724.2	11.7
50°-60°	1386.5	22.3
60°-70°	2053.2	33.1
70°-80°	1016.9	16.4
80°-90°	67.2	1.1
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°	6205.4	100.0
0°-180°	6205.4	100.0

**Coefficient of Utilization**



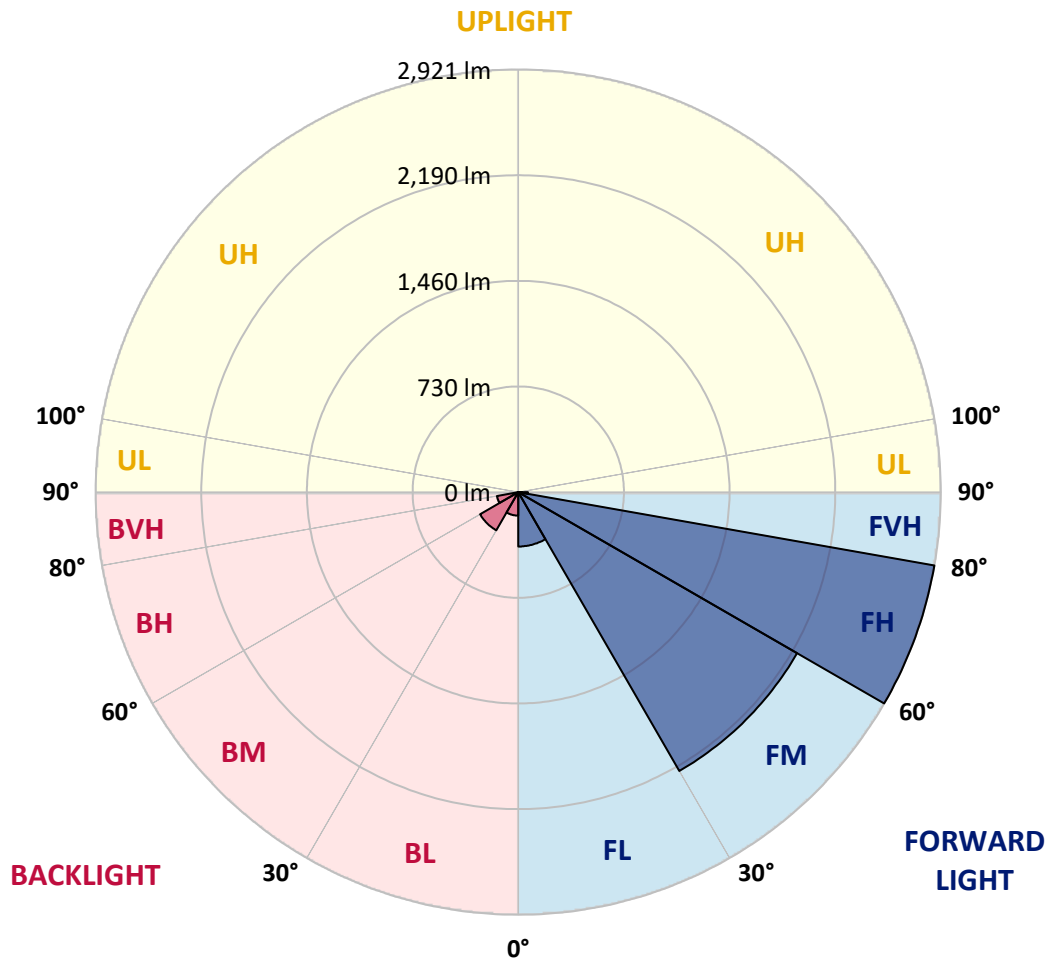
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.8	6.1			
FM (30°-60°)	2225.3	35.9			
FH (60°-80°)	2920.6	47.1			G2/5000
FVH (80°-90°)	66.3	1.1			G1/100
BL (0°-30°)	162.2	2.6	B1/500		
BM (30°-60°)	304.8	4.9	B1/1000		
BH (60°-80°)	149.5	2.4	B1/500		G1/500
BVH (80°-90°)	0.9	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°	46°	55°	65°	75°	85°
0°	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2
2.5°	679.7	675.3	668.1	665.5	658.3	654.7	649.4	646.7	636.9	627.0	620.8
5°	762.8	752.1	755.7	745.0	721.7	703.0	702.1	681.5	659.2	641.3	617.2
7.5°	846.8	837.8	824.4	809.3	783.4	755.7	747.6	728.0	696.7	665.5	633.3
10°	910.2	903.9	892.3	870.9	835.2	803.9	804.8	771.7	738.7	703.0	659.2
12.5°	949.5	952.2	935.2	913.8	882.5	843.2	842.3	820.0	782.5	745.0	693.1
15°	988.8	998.6	972.7	947.7	907.5	878.9	884.3	857.5	820.9	778.0	720.8
17.5°	995.1	997.7	992.4	955.8	926.3	902.2	903.1	885.2	857.5	811.1	761.9
20°	984.3	982.6	976.3	949.5	929.8	915.6	916.5	912.0	896.8	859.3	792.3
22.5°	953.1	953.1	945.0	927.2	918.2	931.6	920.9	937.9	921.8	899.5	844.1
25°	928.1	937.9	933.4	921.8	925.4	943.2	948.6	964.7	962.0	934.3	879.8
27.5°	954.9	943.2	945.9	932.5	945.9	972.7	975.4	987.0	986.1	963.8	912.0
30°	972.7	983.4	962.9	933.4	947.7	993.3	991.5	1006.7	1013.8	987.0	942.4
32.5°	1029.9	1021.0	1004.0	964.7	966.5	992.4	1000.4	1020.1	1024.5	1008.5	971.8
35°	1146.9	1133.5	1059.4	1000.4	991.5	1004.0	1009.3	1047.8	1055.8	1037.9	1003.1
37.5°	1327.3	1297.0	1207.6	1077.2	1037.0	1034.4	1034.4	1085.3	1115.6	1074.6	1049.5
40°	1585.5	1542.6	1446.1	1219.3	1096.9	1107.6	1118.3	1146.0	1142.4	1115.6	1110.3
42.5°	1914.2	1881.1	1776.6	1457.7	1211.2	1157.6	1148.7	1186.2	1242.5	1231.8	1228.2
45°	2188.4	2190.2	2123.2	1784.7	1408.6	1272.8	1279.1	1307.7	1402.4	1394.3	1393.4
47.5°	2388.5	2363.5	2353.7	2100.0	1696.2	1491.7	1482.8	1502.4	1625.7	1676.6	1699.8
50°	2570.7	2553.7	2530.5	2406.4	2041.9	1765.9	1757.0	1758.8	1947.2	2018.7	2075.9
52.5°	2796.7	2818.1	2741.3	2665.4	2489.4	2122.3	2112.5	2077.6	2311.7	2409.9	2477.8
55°	3075.4	3035.2	2948.5	2987.8	2917.3	2507.3	2489.4	2448.3	2727.0	2768.1	2839.6
57.5°	3137.0	3106.6	3196.0	3335.3	3403.2	2959.3	2952.1	2878.0	3076.3	3038.8	3240.6
60°	3290.6	3298.7	3422.8	3699.7	3817.7	3480.9	3446.1	3315.7	3414.8	3422.0	3637.2
62.5°	3448.8	3430.0	3707.8	3974.0	4155.3	3974.9	3963.2	3704.2	3816.8	3725.7	4010.6
65°	3332.6	3361.2	3758.7	4204.4	4593.0	4458.1	4448.3	4078.5	4140.1	4026.7	4162.4
67.5°	2920.0	2861.9	3418.4	4099.0	4818.1	4964.6	4953.8	4486.7	4322.3	4024.9	3847.1
70°	2140.2	2090.2	2543.9	3471.1	4495.6	5223.6	5266.5	4770.7	4248.2	3649.7	2968.2
72.5°	1048.6	1049.5	1425.6	2353.7	3556.8	4760.9	4782.3	4374.1	3649.7	2690.4	1681.1
75°	309.9	313.5	527.9	1154.0	2299.2	3615.8	3639.9	3320.1	2529.6	1389.9	573.5
77.5°	113.4	113.4	175.1	433.2	1146.9	2282.2	2280.4	2038.3	1280.9	470.7	134.0
80°	59.0	61.6	91.1	176.9	496.6	1188.9	1233.5	997.7	486.8	198.3	39.3
82.5°	24.1	26.8	50.0	91.1	238.5	417.1	456.4	391.2	211.7	138.5	17.9
85°	7.1	8.0	24.1	50.9	93.8	104.5	116.1	131.3	133.1	107.2	8.0
87.5°	0.9	0.9	9.8	17.0	20.5	22.3	25.9	25.9	67.9	75.0	4.5
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°	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2
2.5°	613.6	609.2	602.0	586.0	582.4	570.8	569.9	559.2	562.7	555.6	552.9
5°	609.2	599.4	579.7	567.2	554.7	546.7	541.3	536.8	535.9	532.4	530.6
7.5°	617.2	603.8	573.5	553.8	532.4	525.2	513.6	512.7	506.5	500.2	500.2
10°	644.0	619.9	586.9	553.8	526.1	502.9	476.1	456.4	449.3	433.2	435.0
12.5°	665.5	644.0	595.8	561.8	519.9	467.2	408.2	362.7	341.2	320.7	328.7
15°	695.8	664.6	612.8	563.6	495.7	404.6	308.2	257.2	237.6	233.1	232.2
17.5°	728.9	695.8	634.2	559.2	446.6	312.6	226.9	197.4	201.0	206.3	205.4
20°	765.5	725.3	650.3	544.0	368.9	226.9	185.8	184.9	190.3	198.3	200.1
22.5°	803.9	769.1	669.9	498.4	275.1	182.2	178.6	178.6	182.2	192.0	190.3
25°	846.8	800.3	679.7	427.9	197.4	167.9	169.7	173.3	175.1	183.1	184.0
27.5°	879.8	835.2	682.4	343.0	160.8	155.4	159.9	164.4	167.0	173.3	176.0
30°	910.2	878.9	668.1	255.5	147.4	144.7	146.5	152.7	158.1	163.5	163.5
32.5°	948.6	903.9	635.1	181.3	139.3	134.9	134.0	136.7	142.9	149.2	149.2
35°	987.9	945.9	582.4	145.6	132.2	125.9	122.4	119.7	122.4	126.8	130.4
37.5°	1045.1	1009.3	516.3	134.0	126.8	117.9	110.8	104.5	100.0	99.1	101.8
40°	1126.4	1080.8	431.4	125.9	120.6	109.9	99.1	88.4	78.6	72.4	73.2
42.5°	1249.6	1186.2	339.4	121.5	116.1	100.9	85.7	70.6	58.1	51.8	51.8
45°	1425.6	1325.5	249.2	117.0	110.8	90.2	70.6	52.7	40.2	36.6	37.5
47.5°	1690.9	1493.5	178.6	109.9	103.6	78.6	55.4	37.5	29.5	27.7	28.6
50°	2037.5	1692.7	139.3	101.8	94.7	66.1	41.1	27.7	23.2	22.3	23.2
52.5°	2401.0	1893.6	122.4	94.7	81.3	52.7	30.4	22.3	19.7	18.8	19.7
55°	2711.8	2023.2	106.3	84.0	65.2	39.3	24.1	19.7	17.0	14.3	14.3
57.5°	3026.3	2088.4	84.0	69.7	48.2	29.5	20.5	17.0	14.3	11.6	10.7
60°	3281.7	2134.8	59.8	51.8	33.9	23.2	17.9	15.2	11.6	8.9	8.0
62.5°	3449.6	2001.7	43.8	39.3	25.0	19.7	15.2	12.5	8.9	6.3	6.3
65°	3366.6	1817.7	33.9	27.7	18.8	15.2	12.5	8.9	6.3	3.6	2.7
67.5°	3020.9	1481.0	27.7	20.5	14.3	11.6	9.8	7.1	3.6	0.9	0.9
70°	2253.6	1085.3	22.3	15.2	11.6	8.9	7.1	4.5	1.8	0.9	0.0
72.5°	1232.7	594.0	17.9	12.5	8.9	7.1	5.4	3.6	1.8	0.0	0.0
75°	407.3	158.1	13.4	8.9	5.4	4.5	3.6	2.7	0.9	0.0	0.0
77.5°	98.3	41.1	10.7	8.0	4.5	2.7	1.8	0.9	0.9	0.0	0.0
80°	30.4	17.0	8.0	5.4	3.6	2.7	0.9	0.0	0.0	0.0	0.0
82.5°	12.5	8.0	3.6	3.6	2.7	0.9	0.0	0.0	0.0	0.0	0.0
85°	6.3	4.5	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	1.8	0.9	0.9	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)