

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: P482291

Luminaire Tested: **IFLD-S-SA3B-722-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482291  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-722-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

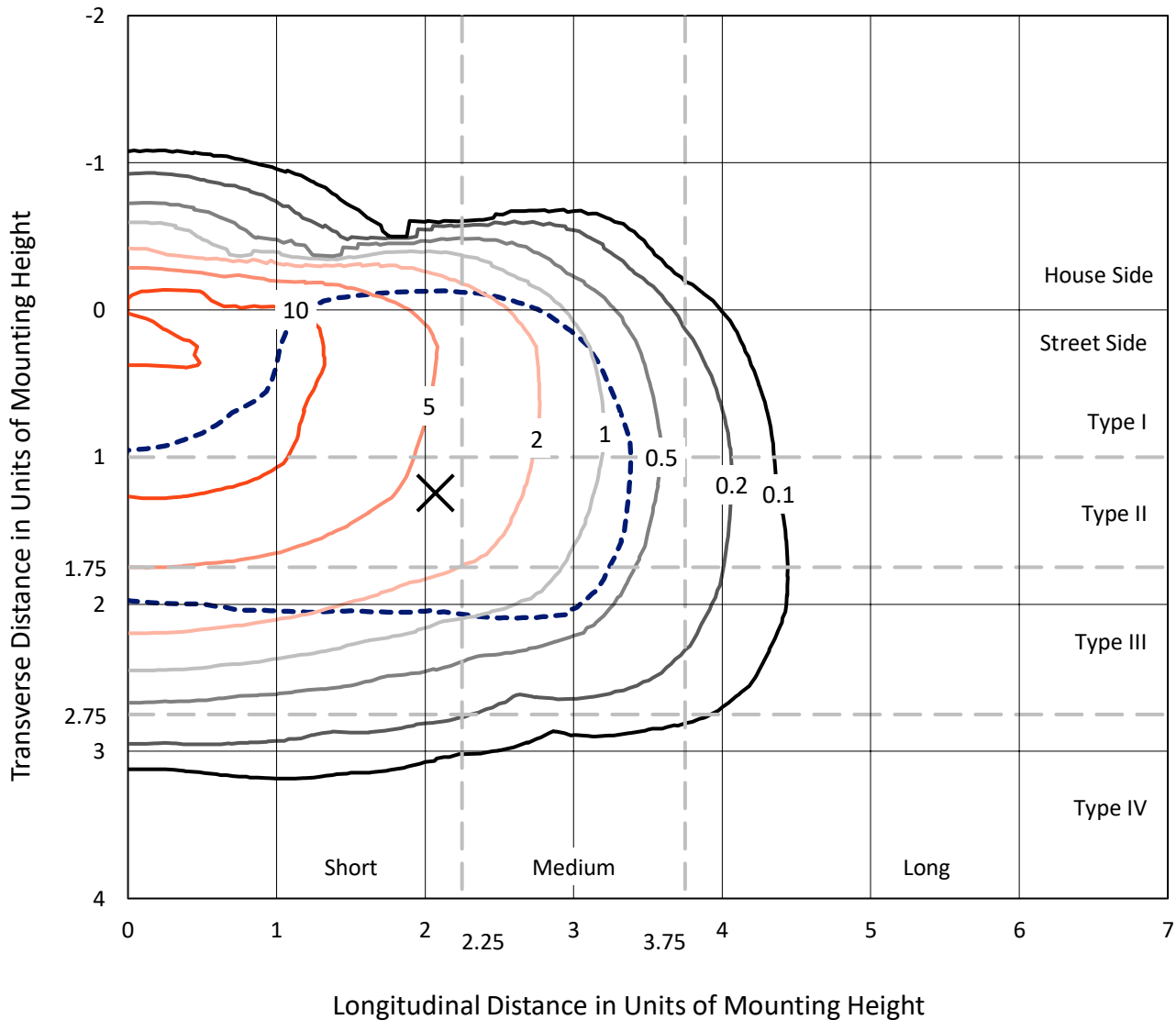
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9300.5 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 122.4  
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

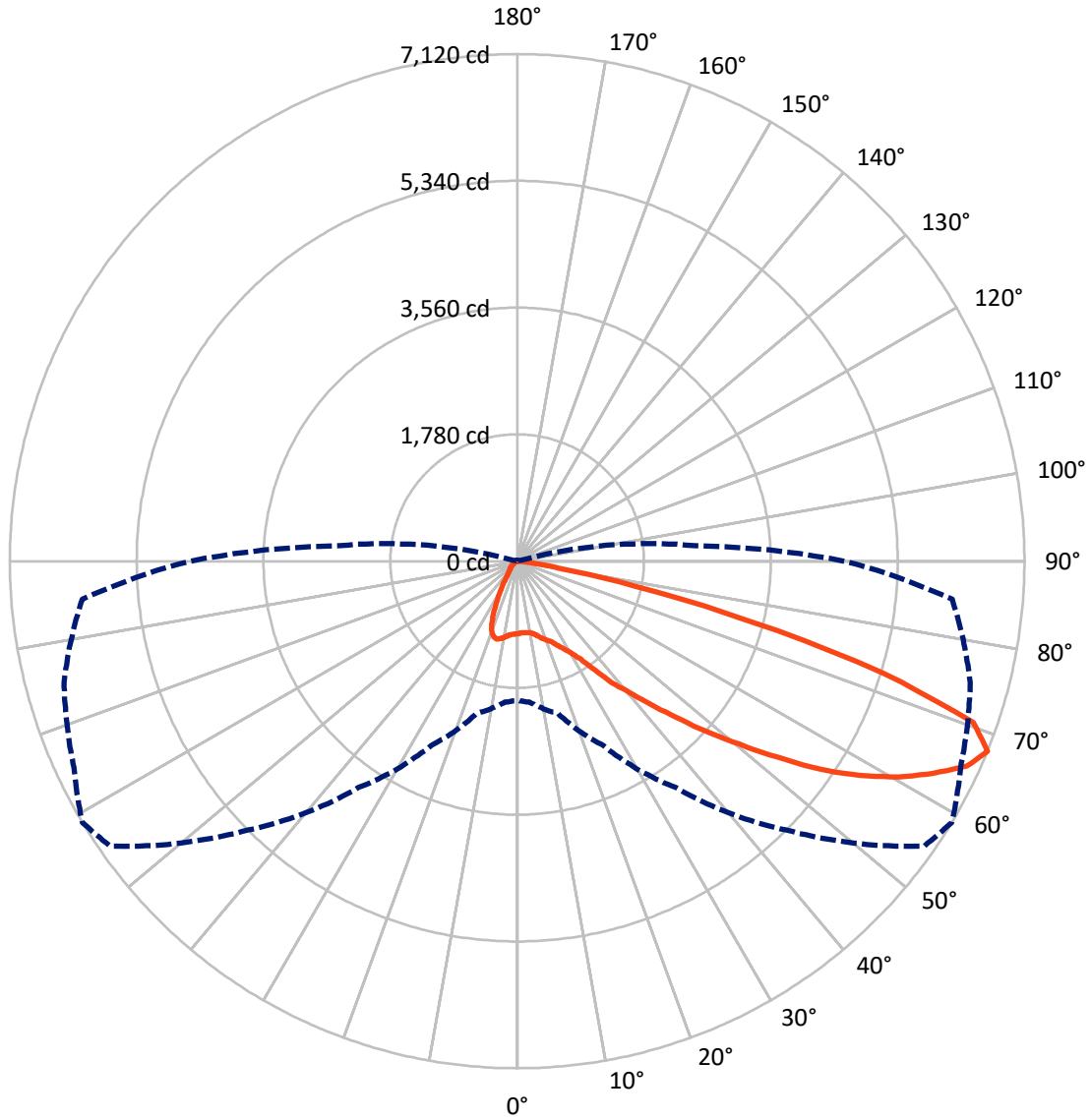
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1092.5	0.0	1092.5
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	8208.0	0.0	8208.0
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	9300.5	0.0	9300.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	1.0
10°-20°	279.9	3.0
20°-30°	489.2	5.3
30°-40°	861.3	9.3
40°-50°	1522.5	16.4
50°-60°	2410.6	25.9
60°-70°	2674.0	28.8
70°-80°	927.8	10.0
80°-90°	38.2	0.4
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°	9300.5	100.0
0°-180°	9300.5	100.0

**Coefficient of Utilization**

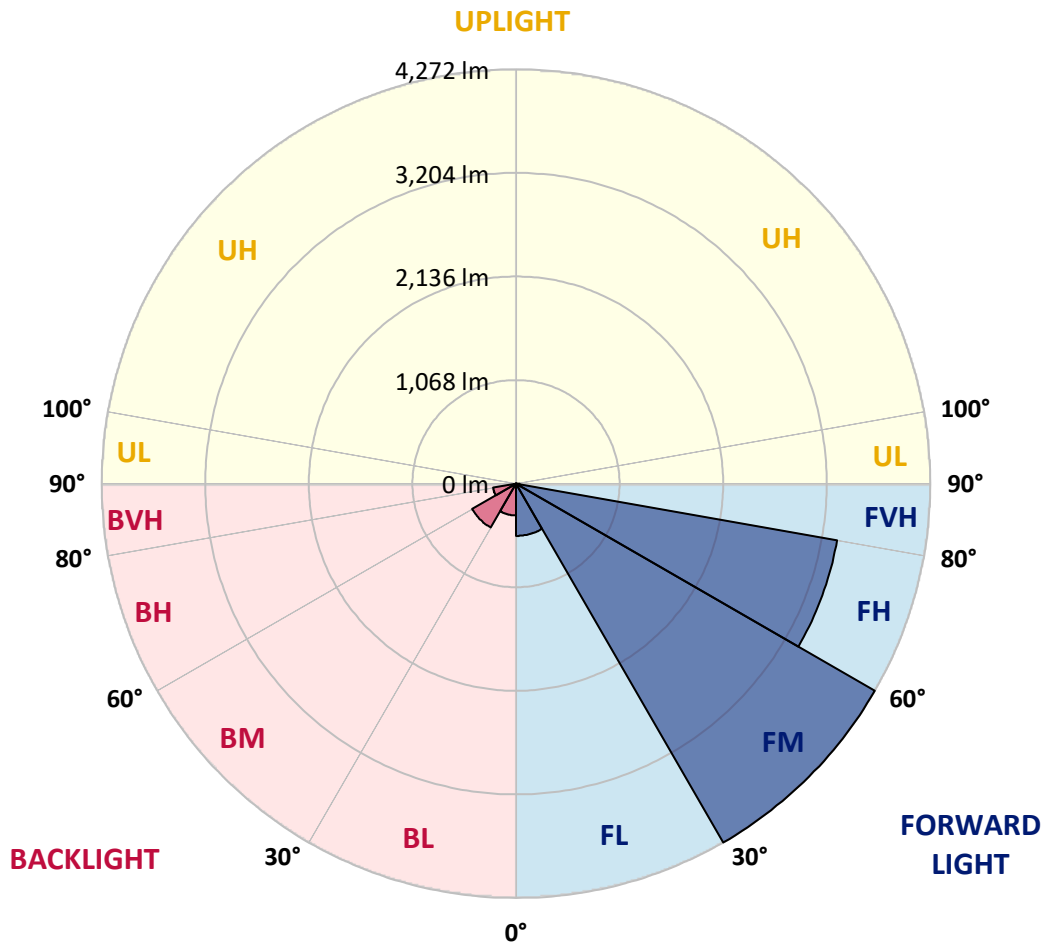


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.6	5.8			
FM (30°-60°)	4272.0	45.9			
FH (60°-80°)	3361.6	36.1			G2/5000
FVH (80°-90°)	35.7	0.4			G1/100
BL (0°-30°)	327.4	3.5	B1/500		
BM (30°-60°)	522.3	5.6	B1/1000		
BH (60°-80°)	240.3	2.6	B1/500		G1/500
BVH (80°-90°)	2.5	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1
2.5°	990.5	976.4	989.3	990.5	991.8	1003.4	1016.2	1007.2	1006.0	1016.2	1025.2
5°	950.7	944.3	959.7	967.4	980.3	990.5	1011.1	1012.4	1013.7	1025.2	1040.6
7.5°	934.0	918.6	936.6	945.6	954.6	979.0	1003.4	1016.2	1034.2	1048.4	1063.8
10°	900.6	912.2	917.3	932.7	958.4	986.7	1016.2	1022.7	1062.5	1074.1	1111.3
12.5°	912.2	919.9	930.2	934.0	962.3	1004.7	1044.5	1047.1	1088.2	1138.3	1157.6
15°	941.7	936.6	940.4	945.6	979.0	1013.7	1077.9	1089.5	1128.0	1184.5	1232.1
17.5°	1004.7	995.7	989.3	988.0	995.7	1027.8	1103.6	1138.3	1174.3	1251.3	1275.8
20°	1162.7	1155.0	1129.3	1062.5	1039.4	1052.2	1134.4	1183.3	1233.4	1319.4	1359.3
22.5°	1402.9	1410.7	1350.3	1256.5	1160.1	1110.0	1183.3	1225.7	1305.3	1414.5	1450.5
25°	1686.9	1671.5	1598.2	1489.0	1337.4	1219.2	1261.6	1309.2	1406.8	1496.7	1510.9
27.5°	1909.1	1891.2	1834.6	1702.3	1571.3	1379.8	1364.4	1394.0	1509.6	1590.5	1575.1
30°	2128.8	2135.3	2096.7	1940.0	1778.1	1576.4	1478.7	1491.6	1580.2	1684.3	1649.6
32.5°	2408.9	2393.5	2371.6	2234.2	2042.8	1826.9	1659.9	1639.3	1677.9	1815.4	1774.2
35°	2669.7	2660.7	2631.2	2492.4	2325.4	2090.3	1927.1	1880.9	1871.9	2024.8	1952.8
37.5°	2897.1	2881.7	2836.7	2748.1	2586.2	2388.4	2209.8	2168.7	2167.4	2272.7	2134.0
40°	3088.5	3100.1	3095.0	2997.3	2908.7	2750.7	2477.0	2411.5	2406.3	2462.9	2381.9
42.5°	3336.5	3363.5	3349.3	3330.1	3223.4	3161.8	2852.1	2751.9	2707.0	2822.6	2749.4
45°	3711.6	3721.9	3730.9	3683.4	3576.7	3589.6	3240.1	3120.7	3109.1	3281.3	3116.8
47.5°	4062.4	4035.4	4098.4	4100.9	4095.8	4036.7	3659.0	3570.3	3585.7	3716.8	3547.2
50°	4149.7	4219.1	4392.6	4424.7	4508.2	4562.1	4124.0	4035.4	4061.1	4210.1	4016.1
52.5°	4217.8	4323.2	4496.6	4731.7	4956.6	5085.0	4644.4	4572.4	4571.1	4662.4	4395.1
55°	4337.3	4401.6	4551.9	4875.6	5303.5	5514.1	5271.3	5155.7	5051.6	5115.9	4788.3
57.5°	4325.8	4350.2	4584.0	4983.5	5578.4	5961.2	5786.5	5676.0	5542.4	5505.2	5240.5
60°	4122.8	4180.6	4442.7	4910.3	5748.0	6309.4	6267.0	6154.0	5924.0	5836.6	5587.4
62.5°	3720.6	3797.7	4003.3	4653.4	5501.3	6327.4	6598.5	6556.1	6299.1	6142.4	6039.6
65°	3015.3	3051.3	3287.7	4000.7	4943.7	6051.2	6990.3	6937.7	6701.3	6467.4	6272.2
67.5°	1952.8	1987.5	2214.9	2856.0	3882.5	5338.1	6974.9	7120.1	6864.4	6583.1	6127.0
70°	922.5	913.5	1125.4	1586.7	2487.3	4076.5	6503.4	6789.9	6572.8	5967.7	5088.9
72.5°	281.4	305.8	467.6	702.8	1277.0	2542.5	5097.9	5366.4	5298.3	4767.7	3396.9
75°	124.6	134.9	183.7	287.8	517.8	1043.2	3148.9	3387.9	3358.3	2812.3	1550.7
77.5°	79.7	87.4	115.6	164.4	235.1	331.5	1450.5	1683.0	1631.6	988.0	406.0
80°	56.5	60.4	82.2	113.1	147.7	136.2	499.8	593.6	569.1	268.5	109.2
82.5°	30.8	33.4	60.4	83.5	98.9	69.4	140.0	174.7	182.4	119.5	52.7
85°	11.6	14.1	37.3	59.1	51.4	32.1	41.1	50.1	65.5	65.5	24.4
87.5°	0.0	1.3	15.4	25.7	12.8	9.0	11.6	14.1	18.0	30.8	9.0
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°	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1
2.5°	1031.7	1022.7	1026.5	1032.9	1018.8	1026.5	1011.1	1022.7	1026.5	1011.1	1018.8
5°	1044.5	1053.5	1048.4	1038.1	1029.1	1031.7	1027.8	1018.8	1026.5	1029.1	1023.9
7.5°	1081.8	1071.5	1074.1	1062.5	1044.5	1043.2	1018.8	1012.4	1015.0	1017.5	1008.5
10°	1116.4	1122.9	1110.0	1101.0	1071.5	1052.2	1018.8	982.8	979.0	963.6	976.4
12.5°	1178.1	1162.7	1157.6	1128.0	1098.5	1034.2	962.3	907.0	860.8	844.1	827.4
15°	1229.5	1226.9	1217.9	1173.0	1104.9	988.0	851.8	723.3	634.7	579.4	571.7
17.5°	1300.2	1288.6	1271.9	1201.2	1057.3	867.2	634.7	472.8	384.1	349.5	336.6
20°	1354.1	1345.1	1322.0	1194.8	971.3	646.2	393.1	300.6	278.8	272.4	273.7
22.5°	1432.5	1404.2	1360.6	1162.7	814.5	430.4	282.6	268.5	264.7	259.5	260.8
25°	1500.6	1474.9	1383.7	1107.5	580.7	285.2	262.1	254.4	248.0	241.5	240.2
27.5°	1561.0	1528.9	1408.1	994.4	363.6	245.4	242.8	233.8	221.0	210.7	206.8
30°	1620.1	1582.8	1414.5	782.4	245.4	222.3	215.8	201.7	185.0	170.9	168.3
32.5°	1719.0	1674.0	1405.5	558.9	212.0	197.9	183.7	167.0	142.6	131.0	128.5
35°	1873.2	1805.1	1394.0	328.9	190.1	174.7	152.9	131.0	113.1	101.5	98.9
37.5°	2050.5	1932.3	1360.6	219.7	174.7	154.2	125.9	104.1	88.6	79.7	77.1
40°	2313.8	2118.6	1232.1	179.9	155.5	131.0	101.5	82.2	70.7	64.2	61.7
42.5°	2604.2	2331.8	1034.2	161.9	137.5	111.8	80.9	66.8	57.8	51.4	51.4
45°	2952.4	2554.1	797.8	147.7	122.1	92.5	66.8	54.0	46.3	41.1	38.5
47.5°	3340.4	2755.8	538.3	133.6	102.8	75.8	55.2	41.1	33.4	29.5	29.5
50°	3687.2	2934.4	343.0	116.9	89.9	63.0	45.0	33.4	27.0	21.8	20.6
52.5°	4002.0	3070.6	236.4	102.8	77.1	51.4	37.3	27.0	20.6	16.7	16.7
55°	4324.5	3139.9	174.7	88.6	66.8	43.7	30.8	24.4	18.0	14.1	12.8
57.5°	4589.1	3169.5	133.6	77.1	56.5	34.7	27.0	20.6	15.4	11.6	10.3
60°	4815.2	3155.3	104.1	64.2	45.0	29.5	23.1	16.7	12.8	9.0	7.7
62.5°	4947.6	3070.6	82.2	55.2	36.0	25.7	19.3	14.1	9.0	6.4	5.1
65°	4950.1	2890.7	64.2	41.1	27.0	21.8	16.7	11.6	6.4	2.6	1.3
67.5°	4595.6	2501.4	51.4	32.1	21.8	16.7	12.8	9.0	2.6	0.0	0.0
70°	3594.7	1892.4	42.4	25.7	18.0	14.1	9.0	5.1	1.3	0.0	0.0
72.5°	2290.7	1133.2	34.7	20.6	15.4	10.3	6.4	3.9	0.0	0.0	0.0
75°	958.4	349.5	27.0	18.0	11.6	7.7	5.1	1.3	0.0	0.0	0.0
77.5°	246.7	110.5	21.8	15.4	11.6	6.4	3.9	1.3	0.0	0.0	0.0
80°	73.2	41.1	18.0	12.8	9.0	5.1	2.6	1.3	0.0	0.0	0.0
82.5°	33.4	24.4	15.4	11.6	7.7	5.1	2.6	0.0	0.0	0.0	0.0
85°	12.8	7.7	7.7	6.4	6.4	3.9	1.3	0.0	0.0	0.0	0.0
87.5°	5.1	2.6	2.6	2.6	1.3	1.3	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)