

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: P482383

Luminaire Tested: **IFLD-S-SA6A-730-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482383  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-730-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

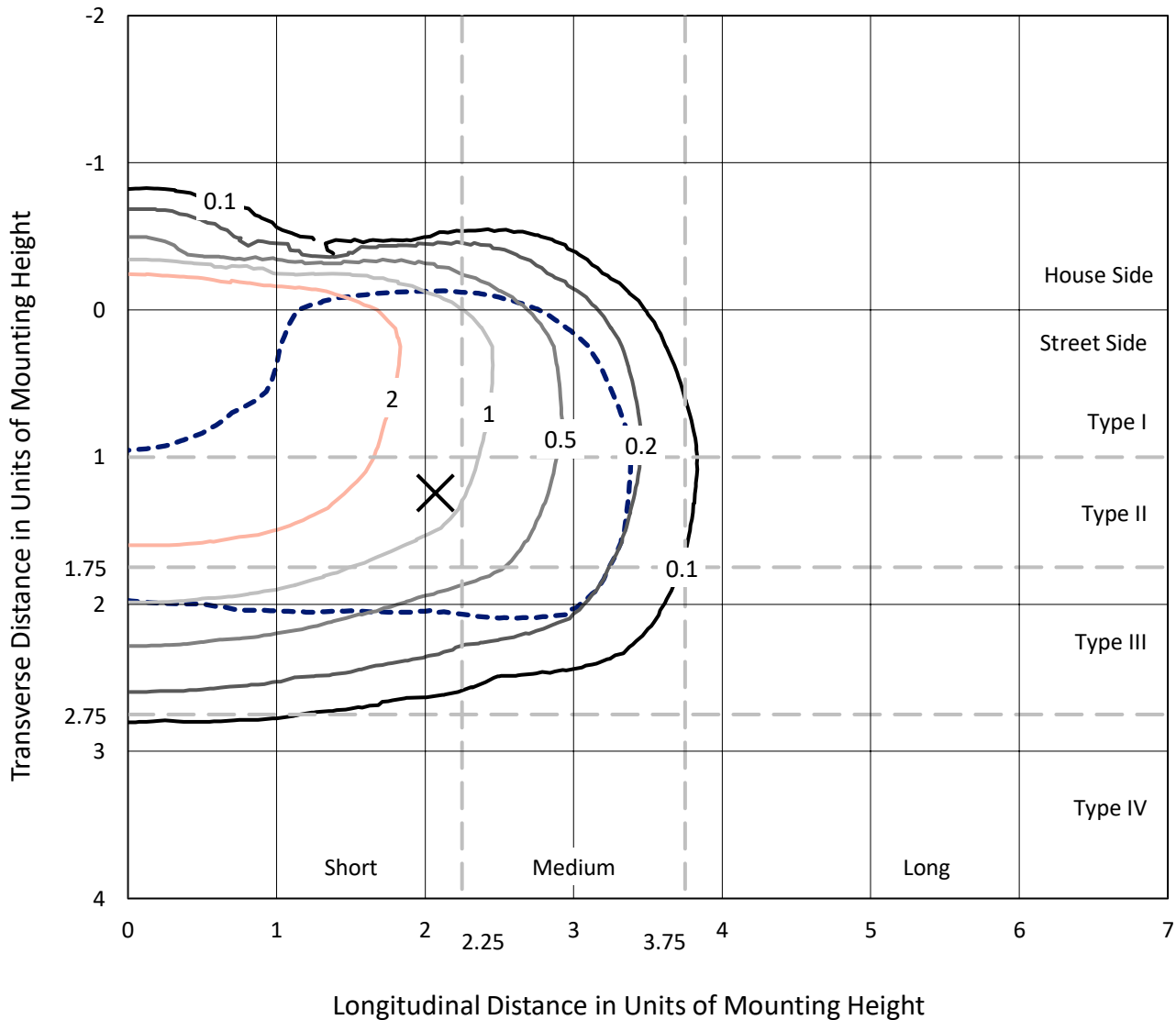
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18236.8 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

REPORT NUMBER: P482383  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

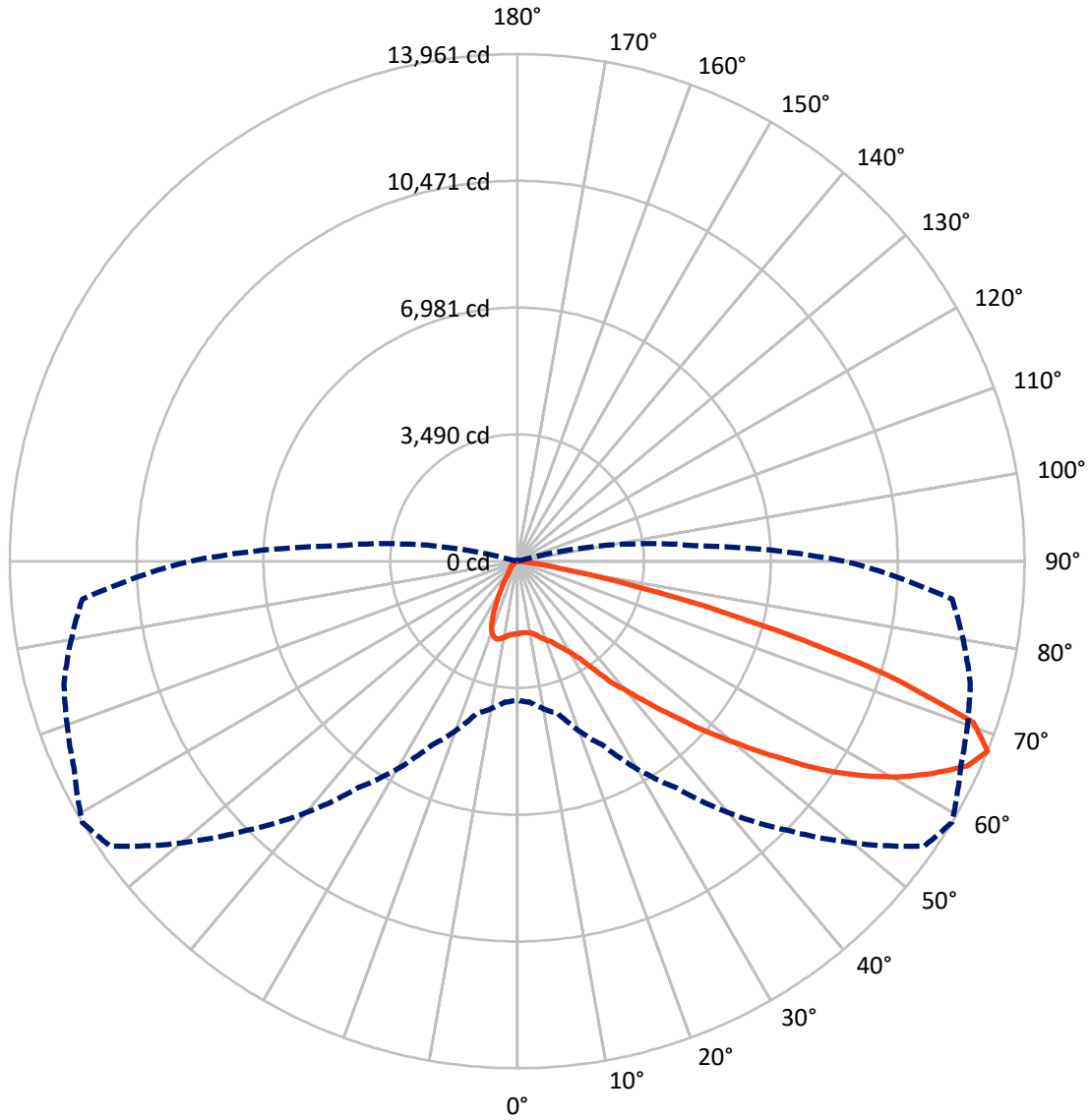
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P482383  
CATALOG NUMBER: IFLD-S-SA6A-730-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P482383  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2142.2	0.0	2142.2
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	16094.6	0.0	16094.6
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	18236.8	0.0	18236.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.0	1.0
10°-20°	548.8	3.0
20°-30°	959.2	5.3
30°-40°	1688.8	9.3
40°-50°	2985.3	16.4
50°-60°	4726.9	25.9
60°-70°	5243.4	28.8
70°-80°	1819.3	10.0
80°-90°	74.9	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°	18236.8	100.0
0°-180°	18236.8	100.0

**Coefficient of Utilization**

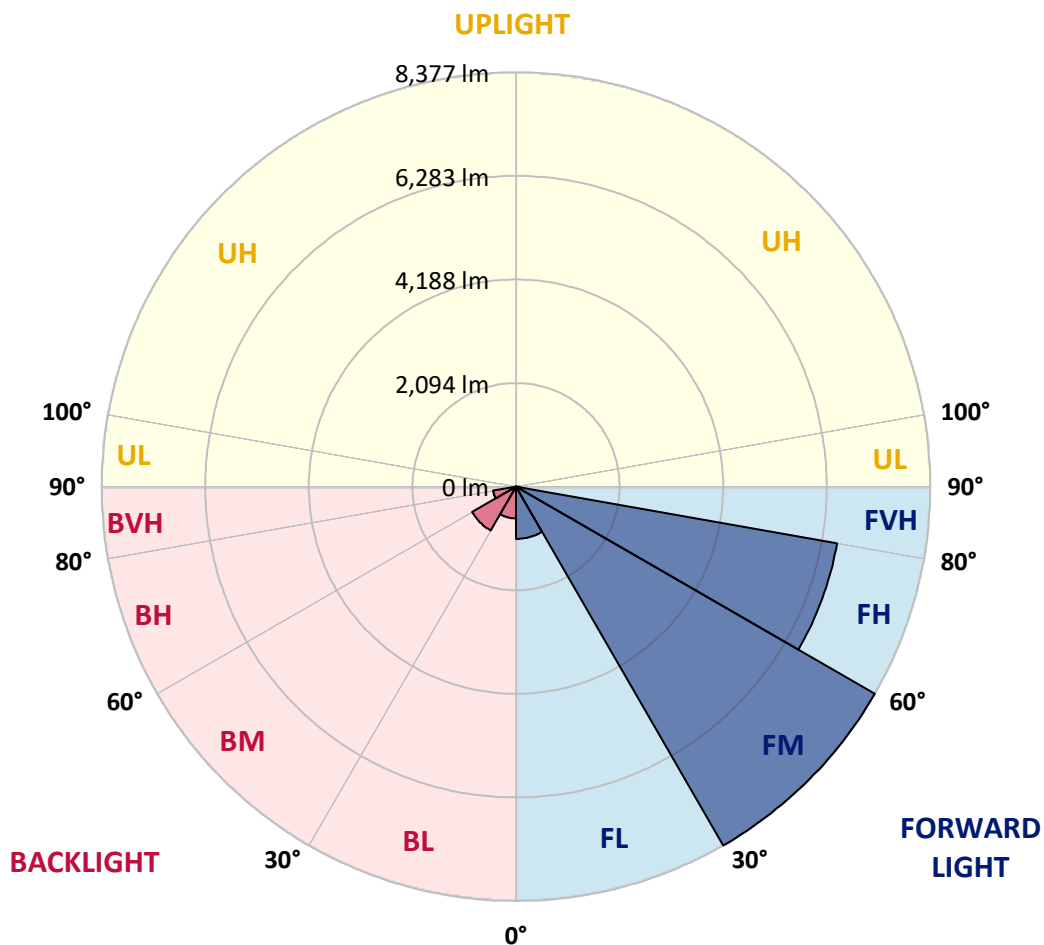


REPORT NUMBER: P482383  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1056.0	5.8			
FM (30°-60°)	8376.8	45.9			
FH (60°-80°)	6591.6	36.1			G3/7500
FVH (80°-90°)	70.1	0.4			G1/100
BL (0°-30°)	642.0	3.5	B2/1000		
BM (30°-60°)	1024.2	5.6	B2/2500		
BH (60°-80°)	471.1	2.6	B1/500		G1/500
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Short





REPORT NUMBER: P482383

CATALOG NUMBER: IFLD-S-SA6A-730-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2
2.5°	1942.3	1914.6	1939.8	1942.3	1944.8	1967.5	1992.7	1975.1	1972.5	1992.7	2010.3
5°	1864.2	1851.6	1881.8	1897.0	1922.1	1942.3	1982.6	1985.1	1987.6	2010.3	2040.6
7.5°	1831.5	1801.2	1836.5	1854.1	1871.8	1919.6	1967.5	1992.7	2028.0	2055.7	2085.9
10°	1766.0	1788.6	1798.7	1828.9	1879.3	1934.7	1992.7	2005.3	2083.4	2106.1	2179.1
12.5°	1788.6	1803.7	1823.9	1831.5	1886.9	1970.0	2048.1	2053.1	2133.8	2232.0	2269.8
15°	1846.6	1836.5	1844.1	1854.1	1919.6	1987.6	2113.6	2136.3	2211.9	2322.7	2415.9
17.5°	1970.0	1952.4	1939.8	1937.3	1952.4	2015.4	2164.0	2232.0	2302.5	2453.7	2501.6
20°	2279.9	2264.8	2214.4	2083.4	2038.0	2063.2	2224.5	2320.2	2418.4	2587.2	2665.3
22.5°	2751.0	2766.1	2647.7	2463.8	2274.8	2176.6	2320.2	2403.3	2559.5	2773.6	2844.2
25°	3307.7	3277.5	3133.9	2919.8	2622.5	2390.7	2473.9	2567.1	2758.5	2934.9	2962.6
27.5°	3743.5	3708.3	3597.4	3337.9	3081.0	2705.6	2675.4	2733.3	2960.1	3118.8	3088.5
30°	4174.3	4186.9	4111.3	3804.0	3486.6	3091.1	2899.6	2924.8	3098.6	3302.7	3234.7
32.5°	4723.5	4693.3	4650.4	4380.9	4005.5	3582.3	3254.8	3214.5	3290.1	3559.6	3479.0
35°	5234.9	5217.3	5159.3	4887.2	4559.8	4098.7	3778.8	3688.1	3670.5	3970.3	3829.2
37.5°	5680.8	5650.6	5562.4	5388.6	5071.2	4683.2	4333.0	4252.4	4249.9	4456.5	4184.4
40°	6056.2	6078.8	6068.8	5877.3	5703.5	5393.6	4857.0	4728.5	4718.5	4829.3	4670.6
42.5°	6542.4	6595.3	6567.6	6529.8	6320.7	6199.8	5592.6	5396.1	5308.0	5534.7	5391.1
45°	7278.0	7298.1	7315.8	7222.5	7013.5	7038.6	6353.4	6119.1	6096.5	6434.0	6111.6
47.5°	7965.7	7912.8	8036.2	8041.3	8031.2	7915.3	7174.7	7000.9	7031.1	7288.0	6955.5
50°	8137.0	8273.1	8613.1	8676.1	8839.9	8945.7	8086.6	7912.8	7963.2	8255.4	7875.0
52.5°	8270.5	8477.1	8817.2	9278.2	9719.1	9971.0	9106.9	8965.8	8963.3	9142.2	8618.2
55°	8504.8	8630.8	8925.5	9560.4	10399.3	10812.4	10336.3	10109.6	9905.5	10031.5	9389.1
57.5°	8482.1	8530.0	8988.5	9772.0	10938.4	11689.1	11346.5	11129.8	10867.8	10794.8	10275.8
60°	8084.1	8197.5	8711.4	9628.4	11270.9	12371.8	12288.7	12067.0	11616.0	11444.7	10956.0
62.5°	7295.6	7446.8	7849.8	9124.5	10787.2	12407.1	12938.6	12855.5	12351.6	12044.3	11842.8
65°	5912.6	5983.1	6446.6	7844.8	9693.9	11865.4	13707.0	13603.7	13140.1	12681.7	12298.7
67.5°	3829.2	3897.2	4343.1	5600.2	7613.0	10467.3	13676.7	13961.4	13460.1	12908.4	12014.1
70°	1808.8	1791.2	2206.8	3111.2	4877.2	7993.4	12752.2	13314.0	12888.2	11701.7	9978.6
72.5°	551.7	599.6	917.0	1378.0	2504.1	4985.5	9996.2	10522.7	10389.2	9348.8	6660.8
75°	244.4	264.5	360.2	564.3	1015.2	2045.6	6174.6	6643.1	6585.2	5514.5	3040.7
77.5°	156.2	171.3	226.7	322.5	461.0	650.0	2844.2	3300.2	3199.4	1937.3	796.1
80°	110.8	118.4	161.2	221.7	289.7	267.0	980.0	1163.9	1116.0	526.5	214.1
82.5°	60.5	65.5	118.4	163.7	194.0	136.0	274.6	342.6	357.7	234.3	103.3
85°	22.7	27.7	73.1	115.9	100.8	63.0	80.6	98.2	128.5	128.5	47.9
87.5°	0.0	2.5	30.2	50.4	25.2	17.6	22.7	27.7	35.3	60.5	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P482383  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2	2000.2
2.5°	2022.9	2005.3	2012.8	2025.4	1997.7	2012.8	1982.6	2005.3	2012.8	1982.6	1997.7
5°	2048.1	2065.7	2055.7	2035.5	2017.9	2022.9	2015.4	1997.7	2012.8	2017.9	2007.8
7.5°	2121.2	2101.0	2106.1	2083.4	2048.1	2045.6	1997.7	1985.1	1990.2	1995.2	1977.6
10°	2189.2	2201.8	2176.6	2159.0	2101.0	2063.2	1997.7	1927.2	1919.6	1889.4	1914.6
12.5°	2310.1	2279.9	2269.8	2211.9	2153.9	2028.0	1886.9	1778.6	1687.9	1655.1	1622.4
15°	2410.9	2405.8	2388.2	2300.0	2166.5	1937.3	1670.2	1418.3	1244.5	1136.2	1121.0
17.5°	2549.4	2526.8	2494.0	2355.5	2073.3	1700.5	1244.5	927.1	753.2	685.2	660.0
20°	2655.2	2637.6	2592.3	2342.9	1904.5	1267.2	770.9	589.5	546.7	534.1	536.6
22.5°	2808.9	2753.5	2667.8	2279.9	1597.2	843.9	554.2	526.5	519.0	508.9	511.4
25°	2942.4	2892.0	2713.2	2171.6	1138.7	559.3	513.9	498.8	486.2	473.6	471.1
27.5°	3060.8	2997.8	2761.0	1949.9	712.9	481.2	476.1	458.5	433.3	413.1	405.6
30°	3176.7	3103.7	2773.6	1534.2	481.2	435.8	423.2	395.5	362.8	335.1	330.0
32.5°	3370.7	3282.5	2756.0	1095.9	415.7	388.0	360.2	327.5	279.6	257.0	251.9
35°	3673.0	3539.5	2733.3	644.9	372.8	342.6	299.8	257.0	221.7	199.0	194.0
37.5°	4020.6	3788.9	2667.8	430.8	342.6	302.3	246.9	204.1	173.8	156.2	151.2
40°	4537.1	4154.2	2415.9	352.7	304.8	257.0	199.0	161.2	138.6	126.0	120.9
42.5°	5106.4	4572.3	2028.0	317.4	269.6	219.2	158.7	131.0	113.4	100.8	100.8
45°	5789.1	5008.2	1564.4	289.7	239.3	181.4	131.0	105.8	90.7	80.6	75.6
47.5°	6549.9	5403.7	1055.5	262.0	201.5	148.6	108.3	80.6	65.5	57.9	57.9
50°	7230.1	5753.9	672.6	229.2	176.3	123.4	88.2	65.5	52.9	42.8	40.3
52.5°	7847.3	6020.9	463.5	201.5	151.2	100.8	73.1	52.9	40.3	32.7	32.7
55°	8479.6	6156.9	342.6	173.8	131.0	85.7	60.5	47.9	35.3	27.7	25.2
57.5°	8998.6	6214.9	262.0	151.2	110.8	68.0	52.9	40.3	30.2	22.7	20.2
60°	9442.0	6187.2	204.1	126.0	88.2	57.9	45.3	32.7	25.2	17.6	15.1
62.5°	9701.4	6020.9	161.2	108.3	70.5	50.4	37.8	27.7	17.6	12.6	10.1
65°	9706.5	5668.2	126.0	80.6	52.9	42.8	32.7	22.7	12.6	5.0	2.5
67.5°	9011.2	4904.9	100.8	63.0	42.8	32.7	25.2	17.6	5.0	0.0	0.0
70°	7048.7	3710.8	83.1	50.4	35.3	27.7	17.6	10.1	2.5	0.0	0.0
72.5°	4491.7	2221.9	68.0	40.3	30.2	20.2	12.6	7.6	0.0	0.0	0.0
75°	1879.3	685.2	52.9	35.3	22.7	15.1	10.1	2.5	0.0	0.0	0.0
77.5°	483.7	216.7	42.8	30.2	22.7	12.6	7.6	2.5	0.0	0.0	0.0
80°	143.6	80.6	35.3	25.2	17.6	10.1	5.0	2.5	0.0	0.0	0.0
82.5°	65.5	47.9	30.2	22.7	15.1	10.1	5.0	0.0	0.0	0.0	0.0
85°	25.2	15.1	15.1	12.6	12.6	7.6	2.5	0.0	0.0	0.0	0.0
87.5°	10.1	5.0	5.0	5.0	2.5	2.5	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)