

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: P480340

Luminaire Tested: **IFLD-S-SA3A-722-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480340  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-722-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

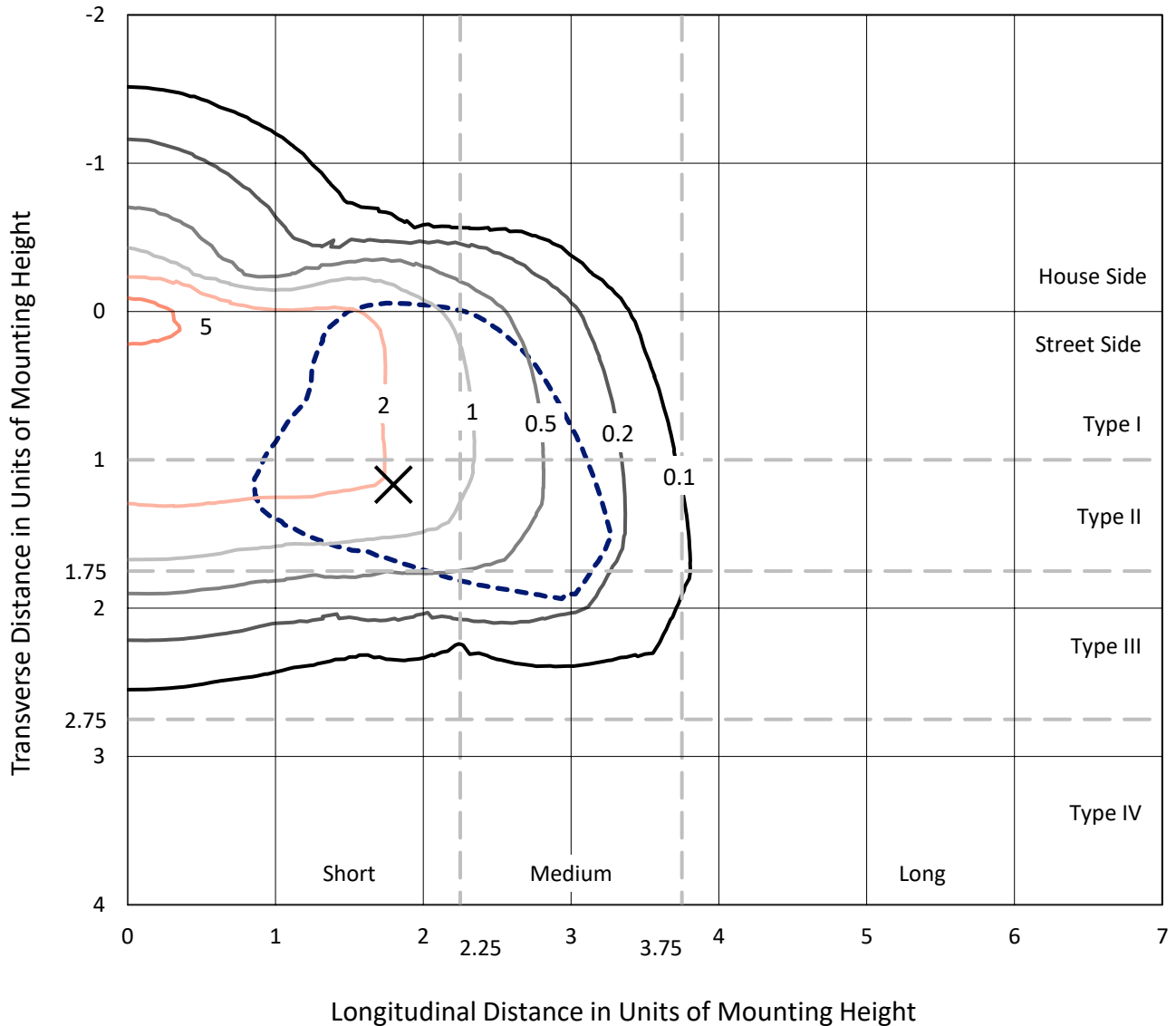
Lumens per Lamp: N/A  
Luminaire Lumens: 10000 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8  
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

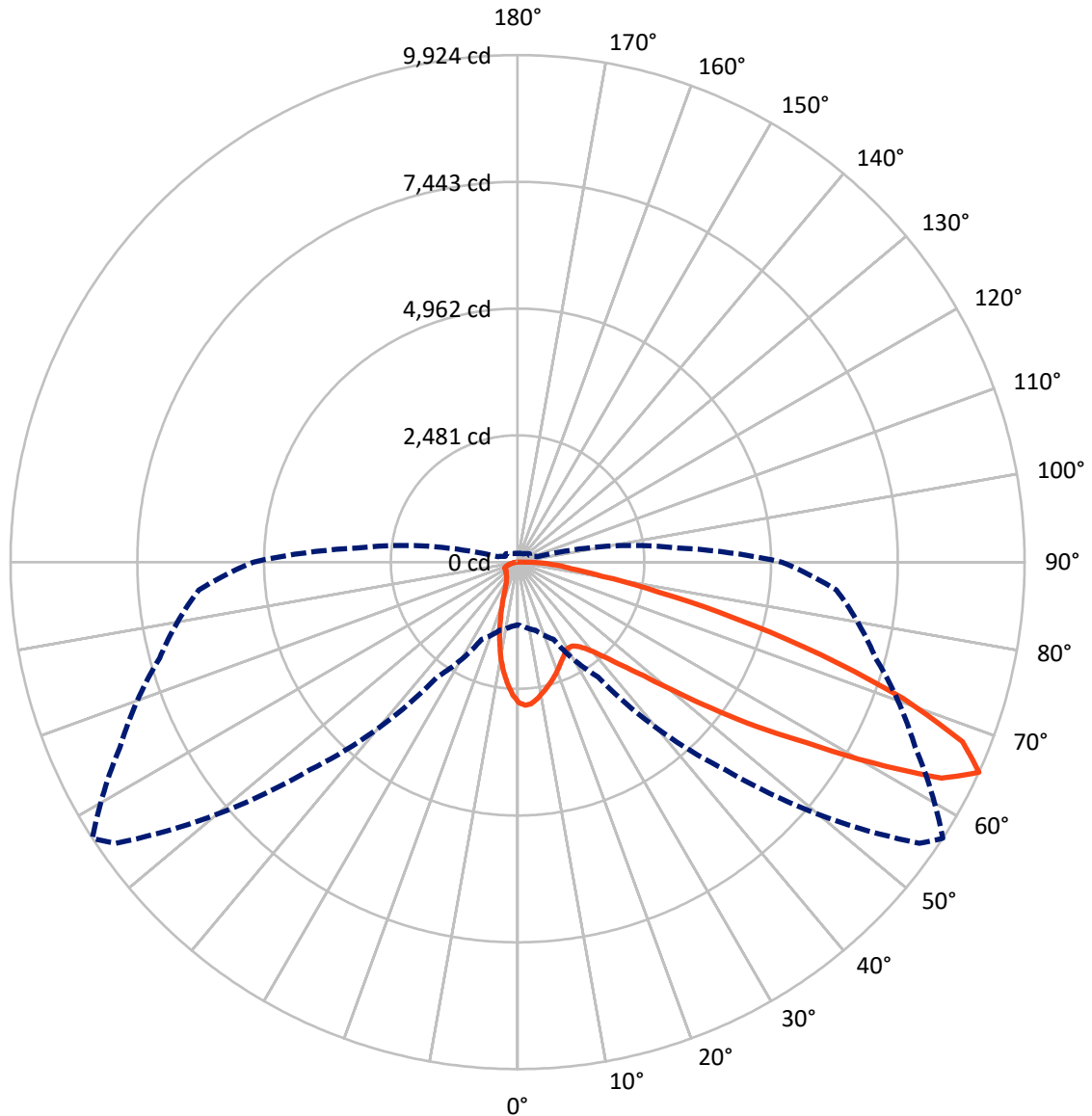
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1533.6	0.0	1533.6
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	8466.4	0.0	8466.4
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	10000.0	0.0	10000.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.3	2.3
10°-20°	495.6	5.0
20°-30°	640.8	6.4
30°-40°	862.3	8.6
40°-50°	1374.9	13.7
50°-60°	2428.4	24.3
60°-70°	2671.6	26.7
70°-80°	1117.6	11.2
80°-90°	178.6	1.8
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°	10000.0	100.0
0°-180°	10000.0	100.0

**Coefficient of Utilization**



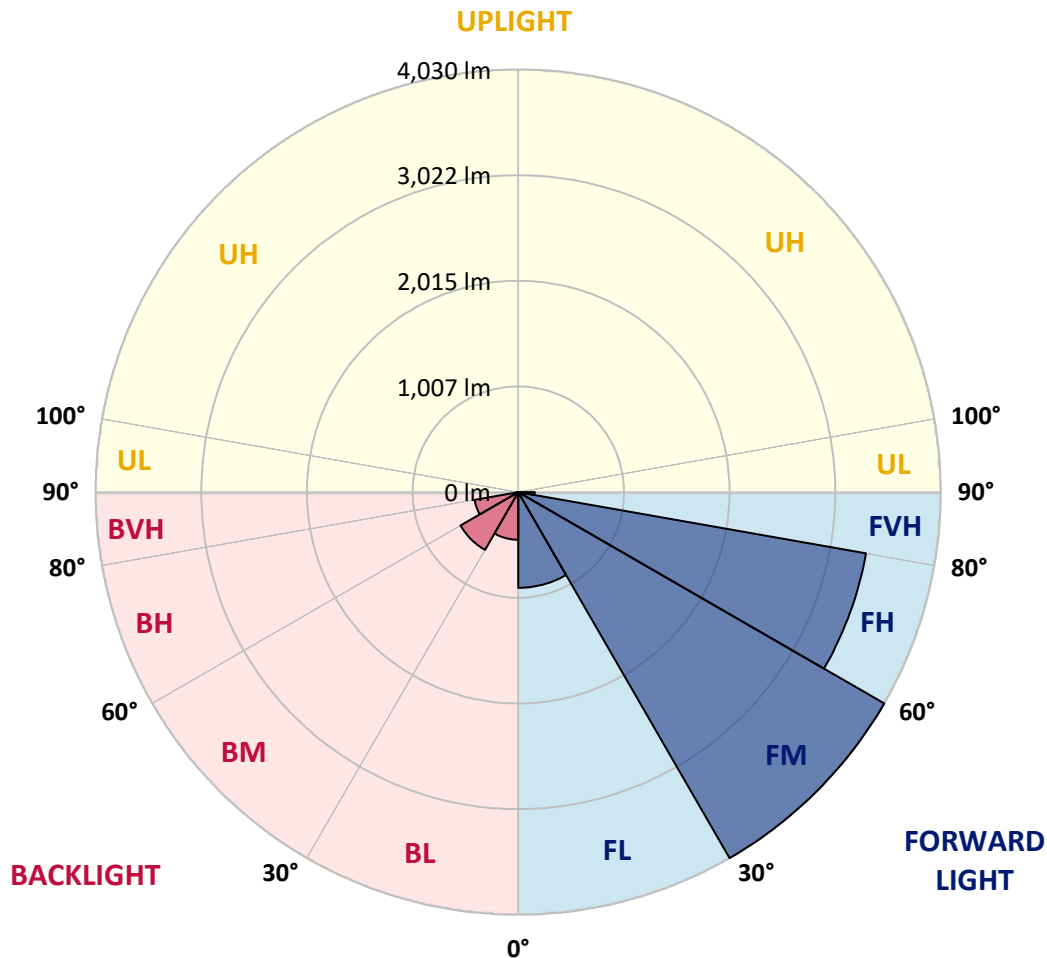
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	912.5	9.1			
FM (30°-60°)	4030.0	40.3			
FH (60°-80°)	3366.3	33.7			G2/5000
FVH (80°-90°)	157.7	1.6			G2/225
BL (0°-30°)	454.2	4.5	B1/500		
BM (30°-60°)	635.6	6.4	B1/1000		
BH (60°-80°)	422.9	4.2	B1/500		G1/500
BVH (80°-90°)	21.0	0.2			G1/100
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°	57°	65°	75°	85°
0°	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9
2.5°	2824.1	2828.6	2828.6	2837.6	2807.2	2821.9	2819.6	2806.1	2810.6	2787.0	2763.4
5°	2744.2	2740.9	2758.9	2761.1	2784.7	2791.5	2797.1	2788.1	2790.4	2738.6	2716.1
7.5°	2539.5	2538.3	2568.7	2594.6	2644.1	2690.2	2720.6	2711.6	2724.0	2691.4	2638.5
10°	2296.4	2322.3	2353.8	2379.7	2470.8	2529.3	2608.1	2616.0	2663.2	2655.3	2559.7
12.5°	2114.2	2125.4	2149.0	2223.3	2306.6	2403.3	2515.8	2526.0	2572.1	2594.6	2511.3
15°	1964.5	1974.6	2005.0	2060.1	2153.5	2268.3	2411.2	2437.1	2529.3	2537.2	2448.3
17.5°	1855.4	1863.2	1883.5	1938.6	2015.1	2162.5	2297.5	2343.7	2465.2	2503.5	2383.1
20°	1812.6	1795.7	1807.0	1841.9	1918.4	2032.0	2206.4	2246.9	2402.2	2477.6	2321.2
22.5°	1793.5	1778.9	1785.6	1783.4	1844.1	1925.1	2108.5	2151.3	2342.6	2447.2	2266.0
25°	1808.1	1808.1	1801.4	1795.7	1802.5	1855.4	2002.8	2069.1	2262.7	2421.3	2209.8
27.5°	1886.9	1856.5	1859.9	1836.2	1829.5	1829.5	1955.5	1994.9	2236.8	2406.7	2163.7
30°	1937.5	1952.1	1953.3	1918.4	1883.5	1820.5	1911.6	1949.9	2215.4	2424.7	2136.7
32.5°	2066.9	2060.1	2041.0	2034.3	1982.5	1911.6	1933.0	1958.9	2203.0	2465.2	2144.5
35°	2196.3	2192.9	2194.0	2190.7	2136.7	2032.0	1990.4	2025.3	2225.5	2536.1	2171.5
37.5°	2330.2	2339.2	2377.4	2377.4	2320.1	2206.4	2151.3	2141.2	2307.7	2652.0	2235.7
40°	2464.1	2486.6	2535.0	2611.5	2530.5	2424.7	2335.8	2320.1	2406.7	2807.2	2389.8
42.5°	2592.3	2629.5	2725.1	2838.7	2811.7	2706.0	2587.8	2569.8	2610.3	3037.9	2604.7
45°	2756.6	2788.1	2938.9	3113.3	3150.4	3057.0	2918.6	2904.0	2901.8	3375.4	2900.6
47.5°	3006.4	3040.1	3190.9	3366.4	3481.2	3495.8	3340.6	3324.8	3270.8	3831.1	3333.8
50°	3319.2	3374.3	3501.5	3706.2	3872.8	4029.2	3985.3	3939.1	3833.4	4361.1	3882.9
52.5°	3547.6	3615.1	3787.2	4049.4	4343.1	4591.7	4749.2	4749.2	4506.2	4942.8	4543.3
55°	3608.3	3648.9	3866.0	4245.2	4748.1	5377.1	5706.7	5682.0	5307.3	5554.9	5311.8
57.5°	3366.4	3419.3	3682.6	4079.8	4960.8	6111.8	6657.5	6663.1	6182.7	6265.9	6070.2
60°	2700.4	2717.2	3027.8	3558.8	4756.0	6703.6	7955.9	7977.3	7178.4	6899.4	6456.1
62.5°	1866.6	1920.6	2154.7	2620.5	3940.3	6637.2	9208.2	9314.0	7976.2	7233.6	6516.9
65°	1228.7	1261.3	1386.2	1669.7	2743.1	5752.9	9597.5	9923.8	8586.0	7252.7	6262.6
67.5°	891.1	896.7	933.9	1080.1	1648.3	4137.2	8932.5	9392.7	8814.4	7092.9	5666.2
70°	720.1	724.6	738.1	831.5	1064.4	2589.0	7285.3	8006.5	8129.2	6335.7	4563.6
72.5°	585.1	590.7	607.6	695.3	877.6	1440.2	5327.6	6206.3	6612.5	4687.4	3033.4
75°	460.2	464.7	505.2	591.8	824.7	989.0	3534.1	4394.8	4450.0	2739.7	1419.9
77.5°	315.0	322.9	372.4	501.8	776.4	865.2	2203.0	2815.1	2526.0	1072.3	488.3
80°	200.3	211.5	240.8	380.3	686.3	825.9	1370.4	1681.0	1106.0	366.8	235.2
82.5°	118.1	129.4	158.6	246.4	538.9	766.2	965.4	1052.0	518.7	187.9	141.8
85°	65.3	73.1	95.6	148.5	316.2	680.7	773.0	755.0	297.0	100.1	88.9
87.5°	21.4	24.8	34.9	59.6	130.5	320.7	463.6	435.4	154.1	46.1	34.9
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°	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9	2749.9
2.5°	2747.6	2744.2	2693.6	2655.3	2590.1	2536.1	2514.7	2485.4	2484.3	2462.9	2457.3
5°	2681.2	2646.3	2568.7	2494.5	2378.6	2300.9	2230.0	2180.5	2160.3	2116.4	2106.3
7.5°	2595.7	2549.6	2430.3	2290.8	2154.7	2033.1	1922.9	1812.6	1750.7	1729.4	1705.7
10°	2506.8	2425.8	2249.2	2092.8	1902.6	1715.8	1542.6	1387.3	1302.9	1243.3	1217.4
12.5°	2435.9	2327.9	2102.9	1868.9	1618.0	1368.2	1166.8	1003.6	908.0	863.0	842.7
15°	2356.1	2213.2	1943.1	1647.2	1334.4	1050.9	854.0	725.7	687.5	666.1	662.7
17.5°	2271.7	2106.3	1769.9	1428.9	1057.6	791.0	663.8	612.1	595.2	586.2	581.7
20°	2192.9	2010.6	1592.1	1185.9	828.1	634.6	575.0	547.9	546.8	551.3	550.2
22.5°	2081.5	1885.7	1416.6	960.9	661.6	552.4	514.2	507.4	514.2	519.8	522.1
25°	2018.5	1783.4	1220.8	762.8	546.8	490.6	478.2	475.9	486.1	492.8	491.7
27.5°	1953.3	1677.6	1038.5	611.0	479.3	446.7	444.4	446.7	456.8	466.9	465.8
30°	1902.6	1593.2	867.5	510.8	427.6	415.2	412.9	415.2	420.8	421.9	421.9
32.5°	1861.0	1493.1	722.3	443.3	396.1	385.9	388.2	387.1	388.2	389.3	390.4
35°	1836.2	1433.4	603.1	401.7	370.2	362.3	361.2	357.8	358.9	360.0	358.9
37.5°	1889.1	1404.2	508.6	372.4	352.2	345.4	343.2	340.9	337.5	337.5	337.5
40°	1969.0	1388.4	451.2	353.3	338.7	330.8	324.0	321.8	321.8	322.9	324.0
42.5°	2127.7	1414.3	411.8	338.7	321.8	312.8	306.0	307.2	310.5	313.9	311.7
45°	2357.2	1493.1	393.8	327.4	311.7	299.3	294.8	293.7	297.0	302.7	307.2
47.5°	2657.6	1615.7	387.1	317.3	304.9	288.0	282.4	285.8	290.3	298.2	294.8
50°	3149.3	1891.4	392.7	308.3	294.8	282.4	275.7	272.3	275.7	281.3	283.5
52.5°	3791.7	2392.1	414.1	303.8	288.0	277.9	266.7	261.0	264.4	268.9	268.9
55°	4560.2	3076.2	473.7	298.2	276.8	271.2	258.8	247.5	249.8	249.8	248.7
57.5°	5237.6	3592.6	544.6	290.3	270.0	262.2	246.4	232.9	230.7	231.8	232.9
60°	5541.3	3729.9	578.3	288.0	270.0	250.9	229.5	216.0	212.7	210.4	210.4
62.5°	5488.5	3492.5	509.7	277.9	276.8	241.9	213.8	199.2	194.7	190.1	191.3
65°	5168.9	3153.8	401.7	264.4	277.9	236.3	198.0	183.4	175.5	169.9	168.8
67.5°	4585.0	2692.5	318.4	254.3	266.7	226.2	184.5	167.6	160.9	155.3	153.0
70°	3587.0	2110.8	276.8	240.8	239.7	201.4	168.8	154.1	144.0	137.3	137.3
72.5°	2325.7	1334.4	237.4	213.8	207.0	168.8	146.3	137.3	129.4	123.8	123.8
75°	1053.1	620.0	191.3	178.9	168.8	135.0	123.8	119.3	112.5	106.9	106.9
77.5°	378.0	264.4	142.9	140.6	126.0	104.6	100.1	96.8	92.3	86.6	86.6
80°	211.5	167.6	106.9	102.4	87.8	77.6	72.0	72.0	69.8	66.4	65.3
82.5°	133.9	109.1	78.8	68.6	57.4	51.8	49.5	48.4	47.3	42.8	41.6
85°	84.4	74.3	51.8	40.5	33.8	25.9	24.8	23.6	21.4	19.1	19.1
87.5°	38.3	42.8	20.3	12.4	9.0	5.6	3.4	1.1	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)