

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: P413734

Luminaire Tested: **LXF.LXT-PA1-100-727-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8397 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G3

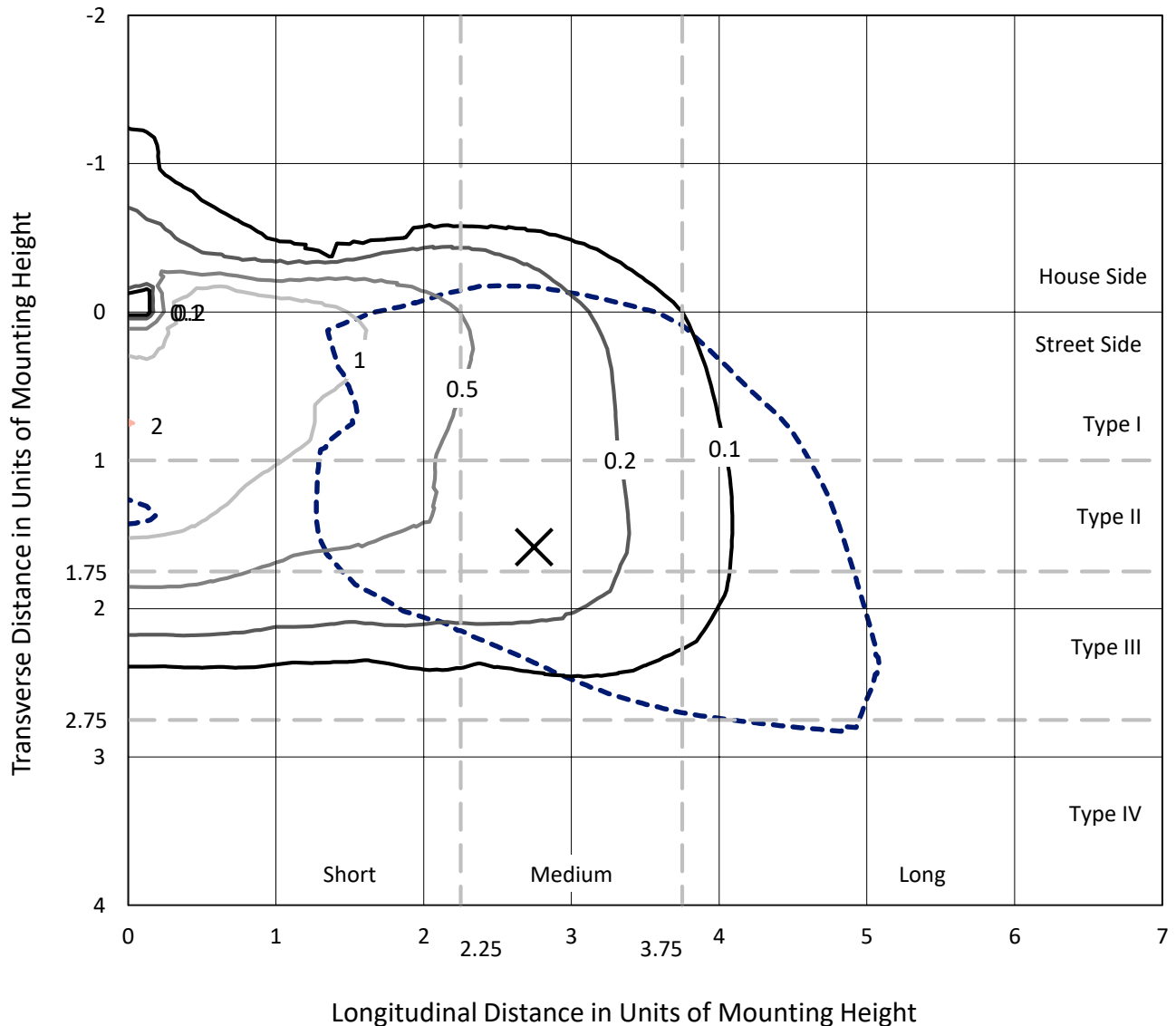
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

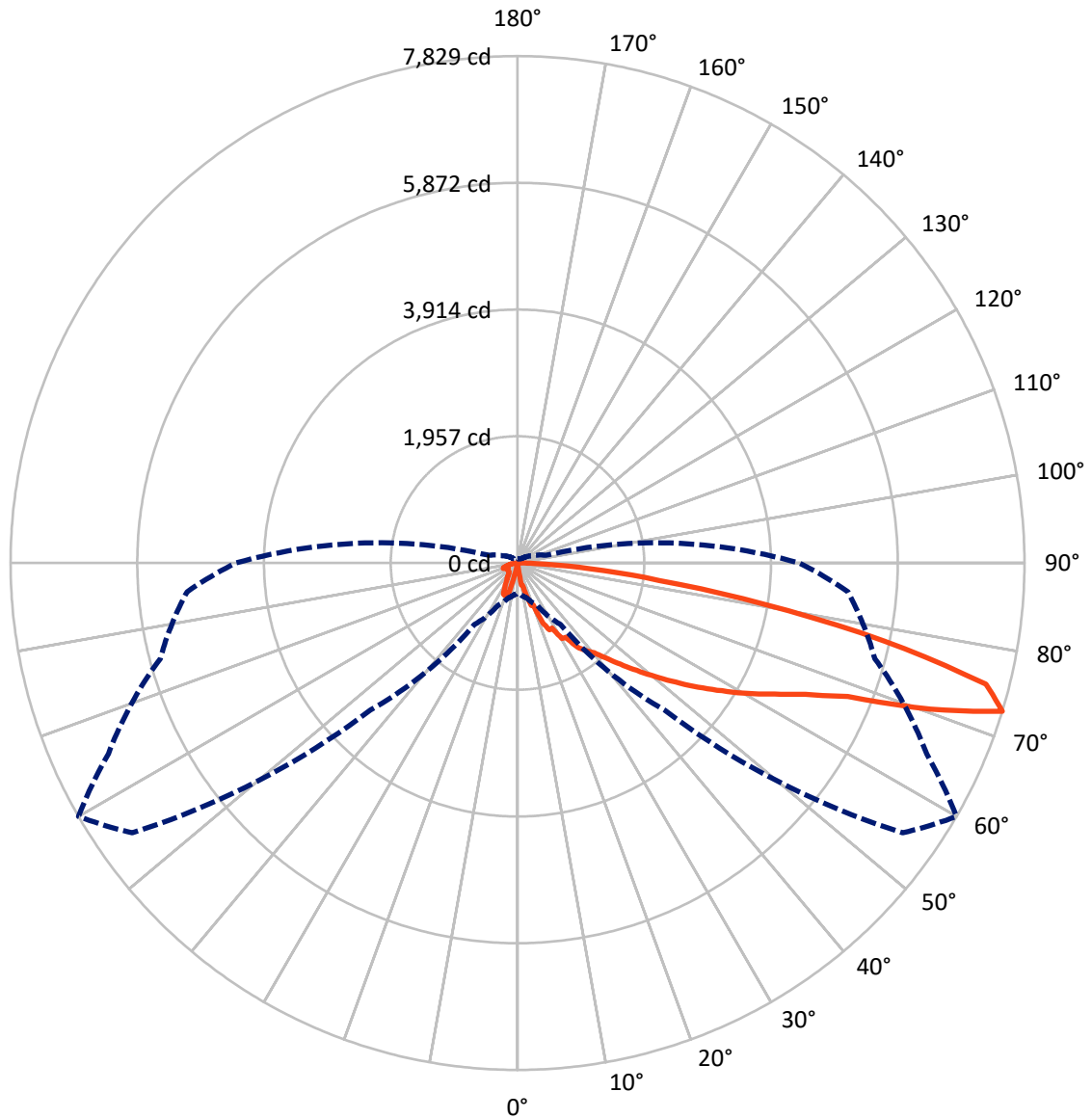


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1209.3	0.0	1209.3
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	7187.7	0.0	7187.7
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	8397.0	0.0	8397.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	122.5	1.5
20°-30°	368.6	4.4
30°-40°	729.1	8.7
40°-50°	1207.7	14.4
50°-60°	1804.2	21.5
60°-70°	2146.3	25.6
70°-80°	1718.2	20.5
80°-90°	291.6	3.5
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°	8397.0	100.0
0°-180°	8397.0	100.0

**Coefficient of Utilization**



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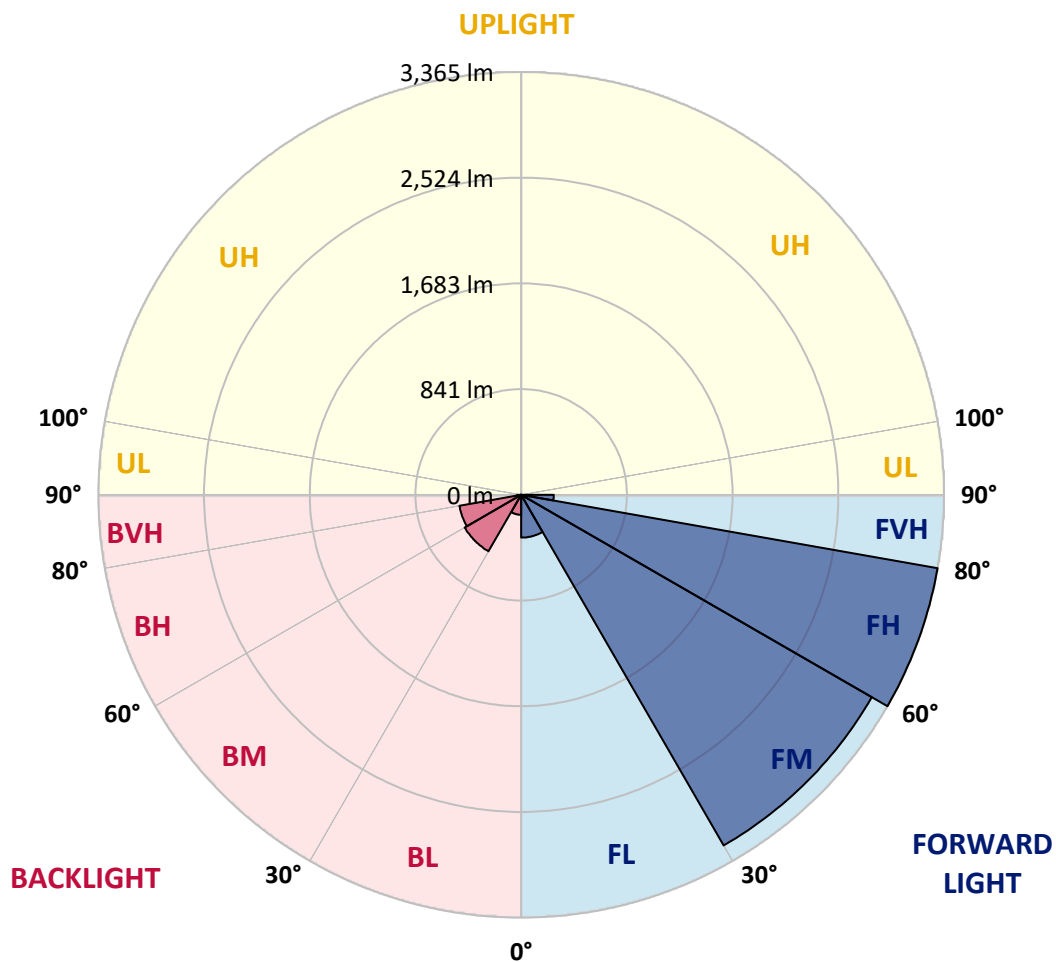
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	340.8	4.1			
FM	(30°-60°)	3222.2	38.4			
FH	(60°-80°)	3365.2	40.1			G2/5000
FVH	(80°-90°)	259.5	3.1			G3/500
BL	(0°-30°)	159.1	1.9	B1/500		
BM	(30°-60°)	518.8	6.2	B1/1000		
BH	(60°-80°)	499.2	5.9	B1/500		G1/500
BVH	(80°-90°)	32.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.6	4.6	5.5	6.4	6.4	5.5	4.6	4.6	4.6	3.7	4.6
5°	313.8	158.3	106.1	50.3	37.5	18.3	7.3	5.5	5.5	4.6	4.6
7.5°	360.4	360.4	361.3	365.0	367.7	369.6	45.7	23.8	9.1	4.6	4.6
10°	347.6	344.9	346.7	350.4	354.0	359.5	365.9	347.6	41.2	7.3	5.5
12.5°	642.2	640.3	618.4	376.9	349.4	349.4	358.6	359.5	282.7	27.4	26.5
15°	619.3	618.4	621.1	627.5	637.6	361.3	366.8	534.2	696.1	490.3	569.9
17.5°	636.7	629.4	612.9	609.2	618.4	580.9	683.3	691.6	707.1	563.5	577.2
20°	873.6	870.9	870.9	733.7	604.7	845.3	802.3	692.5	710.8	815.1	1020.9
22.5°	870.9	866.3	859.9	859.0	985.2	822.4	835.2	1001.7	1041.9	1194.7	1153.5
25°	1183.7	1171.8	992.5	865.4	978.8	921.2	1116.0	1145.3	1059.3	1239.5	1180.1
27.5°	1285.3	1262.4	1205.7	1105.1	986.1	1119.7	1114.2	1138.0	1168.2	1694.2	1621.9
30°	1745.4	1637.5	1333.8	1283.4	1179.2	1133.4	1269.7	1353.0	1475.5	1659.4	1689.6
32.5°	1953.1	1913.7	1765.5	1579.8	1377.7	1224.0	1388.6	1367.6	1486.5	2017.1	2166.2
35°	2401.3	2352.8	1946.7	1779.3	1601.8	1500.2	1428.0	1597.2	1743.6	2097.6	2207.4
37.5°	2489.1	2478.1	2383.9	2083.9	1846.0	1649.4	1671.3	1717.0	1812.2	2210.1	2323.5
40°	2557.7	2558.6	2586.1	2327.2	2071.1	1889.0	1823.2	1824.1	1905.5	2394.9	2472.7
42.5°	2738.9	2746.2	2820.3	2544.0	2343.7	2168.9	2054.6	2004.3	2066.5	2607.1	2655.6
45°	3065.4	3049.0	3112.1	2767.2	2548.6	2398.6	2307.1	2230.2	2263.2	2833.1	2888.9
47.5°	3476.2	3441.4	3420.4	3045.3	2771.8	2642.8	2557.7	2477.2	2487.3	3049.0	3156.0
50°	3793.6	3776.2	3667.4	3255.7	2963.9	2888.9	2853.2	2753.5	2710.5	3289.6	3461.5
52.5°	3929.0	3912.5	3778.0	3414.9	3115.7	3124.0	3186.2	3056.3	2935.5	3550.3	3752.4
55°	3905.2	3891.5	3802.7	3493.6	3225.5	3350.8	3513.7	3383.8	3227.4	3796.3	4048.8
57.5°	3729.6	3736.0	3735.1	3499.0	3309.7	3564.0	3833.9	3722.2	3536.5	4040.6	4289.4
60°	3341.7	3375.5	3501.8	3459.7	3416.7	3765.2	4144.9	4092.7	3896.1	4308.6	4511.7
62.5°	2676.7	2743.4	3019.7	3244.7	3502.7	4047.0	4448.6	4455.0	4268.4	4516.3	4683.7
65°	1805.8	1800.3	2211.9	2770.0	3401.2	4489.7	4902.3	4889.5	4613.2	4753.2	4937.1
67.5°	1003.5	1025.5	1295.3	1833.2	3010.5	4764.2	5773.2	5498.8	5088.9	5114.5	5292.9
70°	621.1	647.7	738.2	1024.6	1927.4	4444.0	6892.0	6763.9	5968.0	5593.9	5436.5
72.5°	472.0	486.7	559.8	726.3	1159.9	3214.5	7263.4	7828.7	6970.6	5711.9	5123.7
75°	281.8	299.1	398.8	627.5	966.9	1664.0	6297.4	7470.1	7289.0	5636.9	4471.5
77.5°	175.6	180.2	215.0	438.2	891.0	1047.4	4314.1	5786.0	5940.6	4774.2	3159.7
80°	134.5	135.4	148.2	233.3	719.9	991.6	2498.3	3864.0	3787.2	2549.5	1241.4
82.5°	85.1	90.6	115.3	142.7	342.1	966.9	1476.5	2200.1	1936.6	689.7	345.8
85°	43.0	48.5	81.4	97.9	165.6	1047.4	1047.4	1127.9	793.1	231.4	130.8
87.5°	7.3	7.3	11.0	25.6	32.9	177.5	292.7	255.2	168.3	31.1	25.6
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.6	4.6	4.6	3.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8
5°	4.6	4.6	4.6	3.7	2.7	1.8	0.9	0.9	1.8	2.7	2.7
7.5°	4.6	4.6	4.6	3.7	2.7	2.7	1.8	3.7	8.2	107.0	72.3
10°	5.5	5.5	5.5	4.6	3.7	10.1	312.9	330.2	331.2	329.3	325.7
12.5°	29.3	32.0	23.8	8.2	33.8	313.8	301.0	286.3	280.8	274.4	274.4
15°	578.1	570.8	538.8	397.0	243.3	279.9	251.6	232.4	360.4	355.9	359.5
17.5°	580.0	567.2	521.4	568.1	526.9	251.6	285.4	310.1	292.7	286.3	289.1
20°	1100.5	1041.0	528.7	529.7	451.9	446.4	242.4	228.7	231.4	236.9	238.8
22.5°	1120.6	1052.0	811.4	686.1	387.9	357.7	247.9	198.5	293.6	326.6	330.2
25°	1129.8	1043.8	766.6	607.4	438.2	268.0	239.7	217.7	268.0	301.0	302.8
27.5°	1597.2	1447.2	1047.4	515.9	338.5	235.1	224.1	204.9	240.6	298.2	299.1
30°	1583.5	1406.9	970.6	499.5	261.6	216.8	193.9	214.1	226.9	242.4	242.4
32.5°	2059.2	1805.8	1076.7	402.5	219.5	180.2	183.0	194.8	195.8	231.4	234.2
35°	2060.1	1766.4	927.6	367.7	188.4	164.7	167.4	180.2	199.4	222.3	226.0
37.5°	2092.1	1749.1	799.5	286.3	188.4	164.7	159.2	172.0	185.7	217.7	221.4
40°	2159.8	1756.4	677.9	237.8	182.0	161.9	157.3	167.4	183.9	202.2	204.0
42.5°	2275.1	1797.5	562.6	215.0	177.5	161.9	150.9	158.3	167.4	204.9	208.6
45°	2458.0	1885.4	473.9	205.8	175.6	155.5	143.6	145.5	151.9	242.4	252.5
47.5°	2672.1	2007.0	397.0	201.3	172.9	149.1	132.6	134.5	149.1	275.3	289.1
50°	2919.1	2187.2	351.3	200.3	170.1	140.0	124.4	134.5	164.7	274.4	280.8
52.5°	3209.1	2370.2	326.6	204.0	168.3	131.7	129.0	150.9	156.4	220.5	220.5
55°	3469.8	2573.3	328.4	206.7	162.8	131.7	132.6	128.1	123.5	151.9	152.8
57.5°	3725.9	2775.4	358.6	201.3	154.6	132.6	114.3	105.2	107.0	129.0	131.7
60°	3948.2	2970.3	449.2	189.4	147.3	119.8	106.1	98.8	100.6	129.9	132.6
62.5°	4187.9	3208.1	622.1	193.9	146.4	113.4	98.8	90.6	94.2	107.9	109.8
65°	4511.7	3540.2	777.6	228.7	151.9	109.8	90.6	86.0	86.9	87.8	87.8
67.5°	4829.1	3745.1	750.1	269.9	170.1	107.9	86.0	80.5	79.6	79.6	79.6
70°	4798.0	3522.8	594.6	286.3	184.8	107.9	82.3	75.0	73.2	73.2	73.2
72.5°	4348.9	3013.3	456.5	265.3	170.1	103.4	76.8	68.6	65.9	65.9	65.9
75°	3700.3	2416.9	383.3	230.5	139.0	88.7	67.7	61.3	59.5	59.5	58.5
77.5°	2363.8	1428.9	325.7	187.5	107.0	72.3	58.5	53.1	53.1	53.1	50.3
80°	948.6	628.5	253.4	148.2	83.2	57.6	48.5	45.7	44.8	43.9	41.2
82.5°	360.4	310.1	164.7	107.9	64.0	43.9	39.3	36.6	36.6	35.7	31.1
85°	129.0	120.8	75.9	62.2	39.3	27.4	30.2	27.4	26.5	23.8	20.1
87.5°	27.4	30.2	21.0	13.7	13.7	8.2	10.1	11.0	11.0	10.1	5.5
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)