

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: P413865

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-740-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10142 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

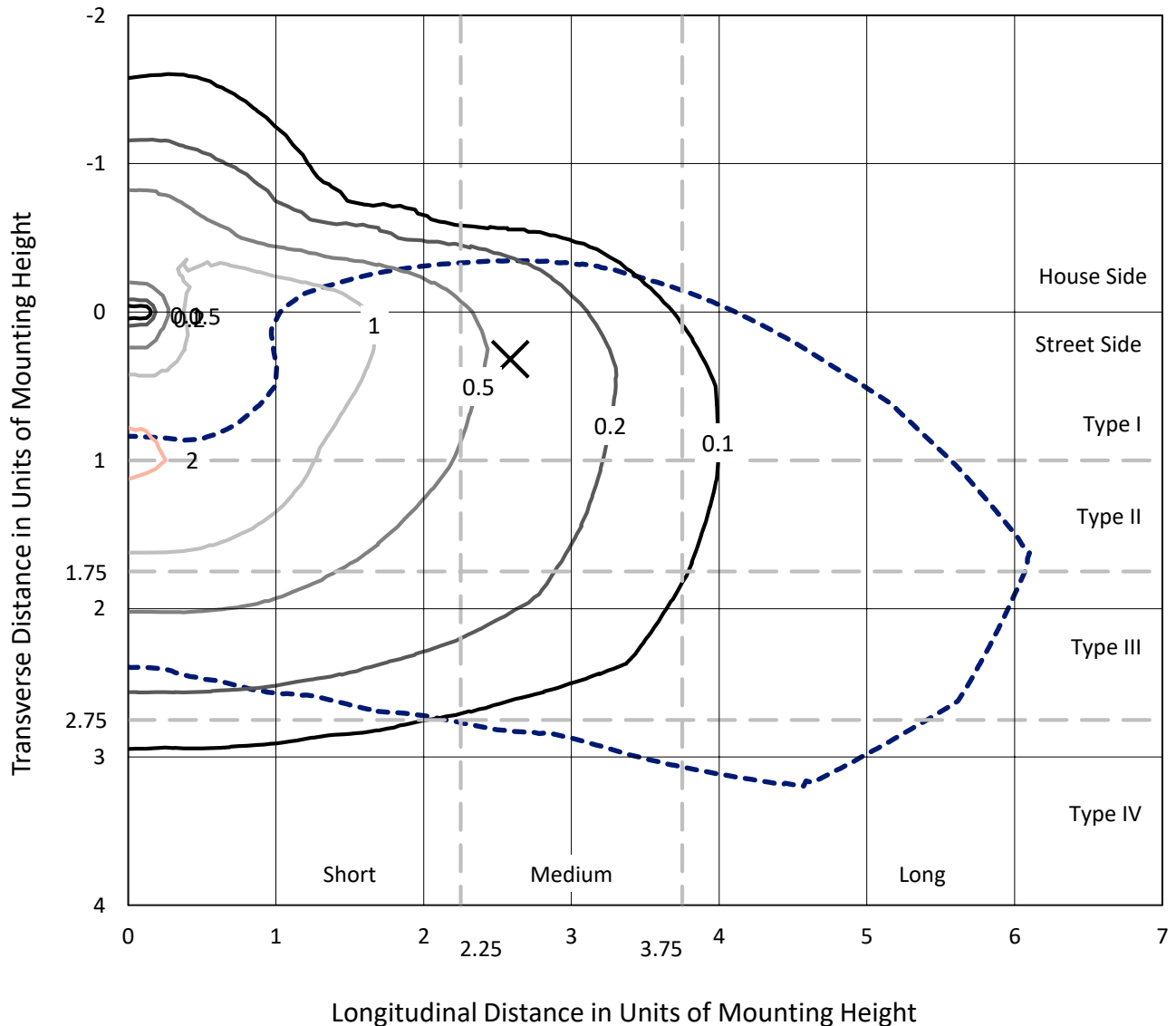
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

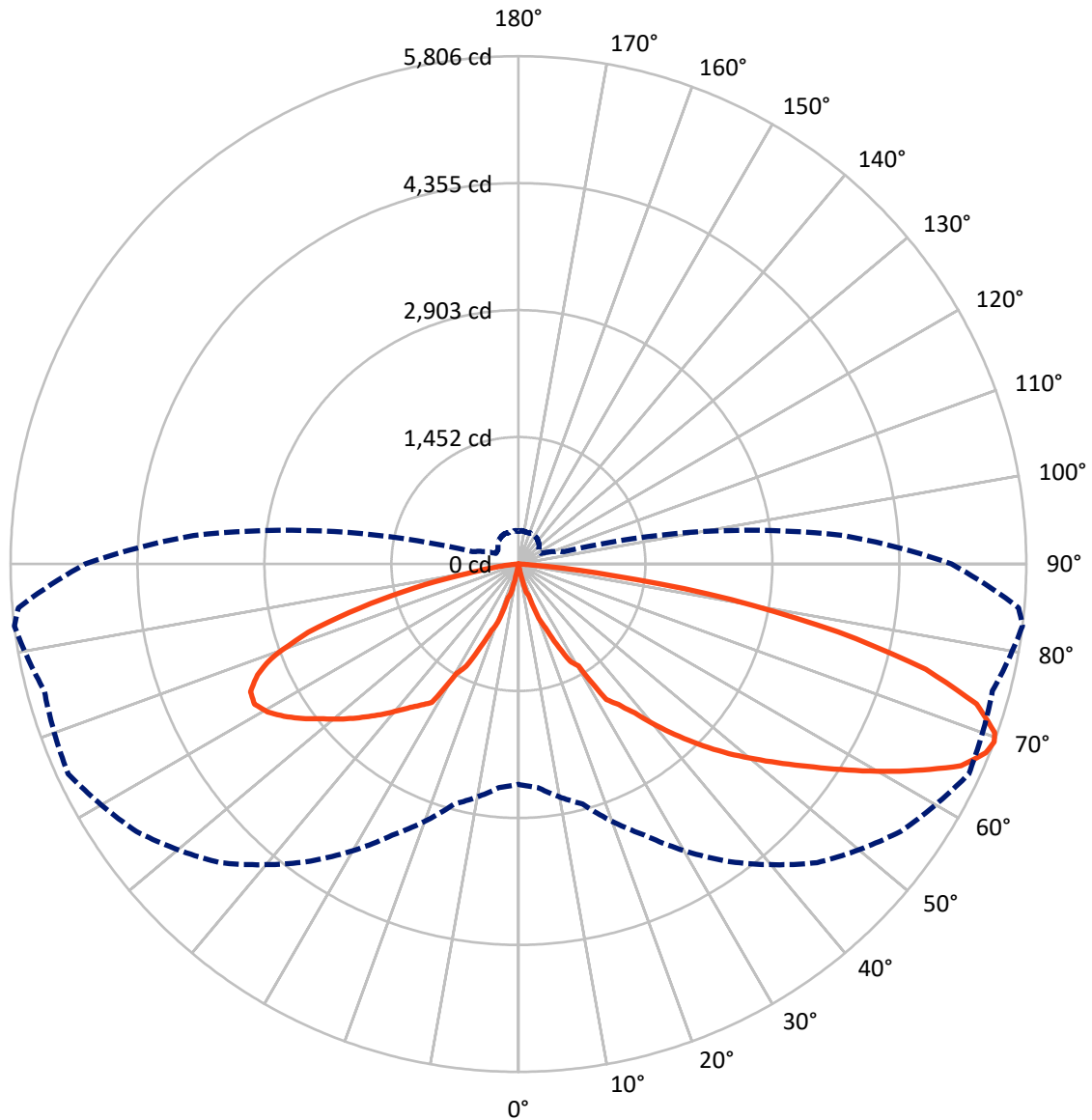


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2151.2	0.0	2151.2
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	7990.8	0.0	7990.8
	% Fixture	78.8	0.0	78.8
Total	Lumens	10142.0	0.0	10142.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	103.1	1.0
20°-30°	406.7	4.0
30°-40°	905.1	8.9
40°-50°	1536.9	15.2
50°-60°	2290.3	22.6
60°-70°	2697.2	26.6
70°-80°	1888.0	18.6
80°-90°	308.2	3.0
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°	10142.0	100.0
0°-180°	10142.0	100.0



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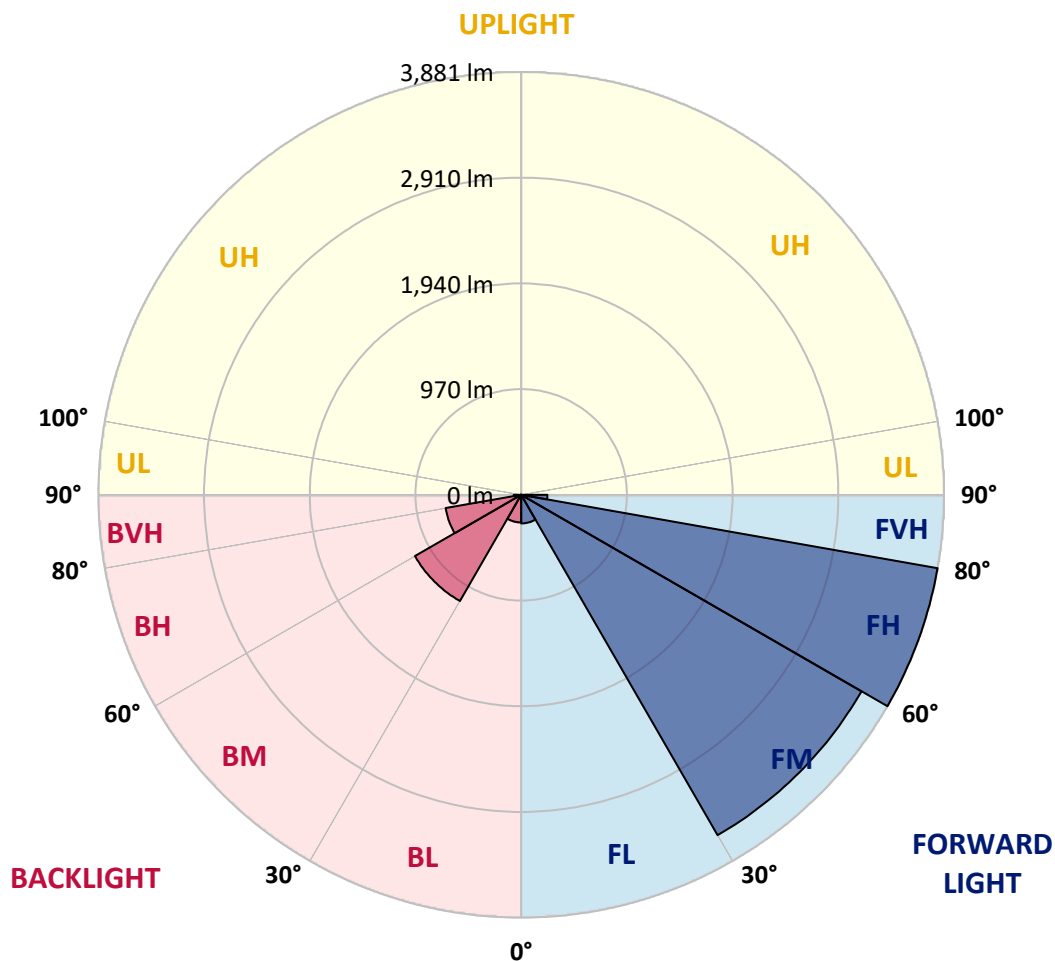
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	262.6	2.6			
FM	(30°-60°)	3606.6	35.6			
FH	(60°-80°)	3880.6	38.3			G2/5000
FVH	(80°-90°)	240.9	2.4			G3/500
BL	(0°-30°)	253.7	2.5	B1/500		
BM	(30°-60°)	1125.6	11.1	B2/2500		
BH	(60°-80°)	704.6	6.9	B2/1000		G2/1000
BVH	(80°-90°)	67.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	5.5	4.4	5.5	6.6	6.6	5.5	4.4	4.4	4.4	4.4	3.3
5°	88.4	64.4	57.9	51.3	30.6	10.9	6.6	4.4	4.4	4.4	4.4
7.5°	186.7	186.7	186.7	187.8	186.7	138.7	32.8	7.6	4.4	4.4	4.4
10°	188.9	187.8	186.7	187.8	190.0	191.1	184.5	26.2	10.9	9.8	9.8
12.5°	341.7	339.6	327.6	229.3	194.3	195.4	199.8	144.1	52.4	138.7	161.6
15°	362.5	360.3	360.3	361.4	342.8	212.9	300.3	393.1	279.5	334.1	339.6
17.5°	406.2	394.2	384.3	377.8	380.0	423.6	425.8	434.6	325.4	374.5	381.1
20°	622.3	618.0	583.0	446.6	417.1	550.3	490.2	482.6	609.2	661.7	672.6
22.5°	710.8	706.4	681.3	657.3	685.7	599.4	697.7	719.5	825.4	793.8	803.6
25°	965.2	961.9	822.2	761.0	836.3	689.0	861.5	824.3	911.7	1016.5	1027.4
27.5°	1181.4	1173.7	1145.3	1026.3	933.5	1032.9	953.2	1101.7	1238.1	1255.6	1288.4
30°	1403.0	1352.8	1265.4	1269.8	1149.7	1138.8	1135.5	1322.2	1326.6	1353.9	1409.6
32.5°	1765.5	1742.6	1669.4	1443.4	1417.2	1265.4	1397.6	1409.6	1732.7	1846.3	1857.2
35°	2055.9	1957.7	1888.9	1761.1	1562.4	1611.6	1557.0	1773.1	1900.9	1974.0	2018.8
37.5°	2518.9	2532.0	2419.5	1954.4	1829.9	1773.1	1868.1	1985.0	2144.4	2161.8	2229.5
40°	2851.9	2843.1	2691.4	2348.5	2070.1	2012.3	2075.6	2190.2	2406.4	2428.3	2444.6
42.5°	3336.7	3294.1	3082.3	2696.8	2439.2	2316.9	2334.4	2382.4	2598.6	2695.8	2676.1
45°	3785.4	3757.0	3543.0	3068.1	2788.6	2645.5	2619.3	2576.7	2836.6	2966.5	2930.5
47.5°	4137.0	4086.8	3964.5	3480.8	3265.7	3022.2	2891.2	2813.7	3072.4	3238.4	3188.2
50°	4513.7	4437.2	4327.0	3890.2	3678.4	3461.1	3172.9	3075.7	3337.8	3502.6	3462.2
52.5°	4763.7	4644.7	4575.9	4254.9	4059.5	3869.5	3446.9	3381.4	3629.3	3787.6	3778.9
55°	4638.1	4633.8	4703.6	4500.6	4310.6	4109.7	3731.9	3728.6	3933.9	4096.6	4104.2
57.5°	4419.8	4442.7	4641.4	4672.0	4591.2	4355.3	4084.6	4117.3	4292.0	4442.7	4459.1
60°	4141.3	4204.7	4490.7	4652.3	4716.7	4599.9	4424.1	4474.4	4682.9	4812.8	4808.5
62.5°	3773.4	3824.7	4180.7	4546.4	4677.4	4787.7	4737.5	4899.1	5064.0	5186.2	5217.9
65°	3338.8	3359.6	3745.0	4238.5	4577.0	4883.8	4999.5	5293.2	5372.9	5560.7	5567.3
67.5°	2857.3	2863.9	3199.1	3787.6	4358.6	4876.2	5222.3	5584.8	5564.0	5763.8	5748.5
69°	2518.9	2565.8	2841.0	3420.7	4146.8	4829.2	5332.5	5680.8	5611.0	5806.4	5739.8
70°	2280.9	2277.6	2592.0	3109.6	3960.1	4769.2	5402.4	5706.0	5612.1	5776.9	5676.5
72.5°	1453.2	1475.1	1746.9	2206.6	3191.4	4421.9	5488.7	5639.3	5492.0	5475.6	5260.5
75°	642.0	583.0	753.4	1168.3	2006.8	3439.3	5281.2	5339.1	5150.2	4812.8	4443.8
77.5°	224.9	233.7	283.9	475.0	966.3	2049.4	4377.2	4697.1	4548.6	3737.4	3325.7
80°	160.5	161.6	190.0	265.3	468.4	722.8	2786.4	3397.8	3500.4	2464.3	2118.2
82.5°	113.6	113.6	140.8	169.2	324.3	323.2	1198.8	1869.2	1997.0	1092.9	817.8
85°	95.0	97.2	108.1	98.3	190.0	164.9	295.9	576.5	472.8	133.2	116.8
87.5°	14.2	13.1	37.1	32.8	28.4	24.0	32.8	37.1	25.1	19.7	14.2
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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.4	4.4	4.4	4.4	3.3	2.2	2.2	2.2	3.3	3.3	3.3
5°	4.4	4.4	4.4	4.4	4.4	4.4	5.5	7.6	8.7	9.8	9.8
7.5°	4.4	4.4	4.4	5.5	6.6	9.8	53.5	185.6	203.1	211.8	217.3
10°	8.7	9.8	9.8	9.8	24.0	205.3	244.6	253.3	262.0	266.4	265.3
12.5°	169.2	174.7	43.7	31.7	191.1	256.6	264.2	273.0	281.7	288.2	287.2
15°	348.3	357.0	342.8	354.8	376.7	278.4	285.0	482.6	523.0	530.6	531.7
17.5°	388.7	395.2	401.8	523.0	536.1	412.7	493.5	529.5	533.9	536.1	537.2
20°	740.3	737.0	596.1	573.2	567.8	716.2	524.1	533.9	638.7	727.2	731.5
22.5°	816.7	826.5	787.2	841.8	745.7	725.0	660.6	707.5	746.8	745.7	742.5
25°	1059.1	1072.2	903.0	875.7	894.2	720.6	824.3	706.4	717.3	718.4	725.0
27.5°	1324.4	1327.7	1253.4	985.9	880.0	892.0	776.3	752.3	840.7	846.2	846.2
30°	1442.3	1463.1	1324.4	1142.1	911.7	842.9	752.3	820.0	780.7	787.2	787.2
32.5°	1916.2	1899.8	1729.5	1131.1	944.4	775.2	786.1	759.9	841.8	863.6	865.8
35°	2040.6	2006.8	1739.3	1264.3	881.1	791.6	718.4	771.9	771.9	770.8	765.4
37.5°	2194.6	2135.6	1718.6	1170.5	886.6	722.8	693.3	694.4	757.7	771.9	762.1
40°	2376.9	2288.5	1715.3	1092.9	803.6	684.6	636.5	668.2	667.1	648.6	637.6
42.5°	2574.6	2457.7	1707.6	1001.2	721.7	642.0	600.5	590.7	596.1	562.3	559.0
45°	2806.0	2632.4	1685.8	920.4	656.2	596.1	549.2	533.9	536.1	509.9	503.3
47.5°	3051.7	2812.6	1680.3	857.1	601.6	550.3	512.1	492.4	500.1	470.6	464.0
50°	3325.7	2998.2	1661.8	798.1	541.6	507.7	479.3	456.4	457.5	434.6	429.1
52.5°	3623.8	3178.3	1641.0	717.3	487.0	471.7	455.3	437.8	457.5	426.9	420.4
55°	3929.5	3397.8	1613.7	623.4	437.8	444.4	428.0	441.1	469.5	421.4	412.7
57.5°	4269.1	3604.2	1562.4	520.8	398.5	413.8	424.7	442.2	465.1	420.4	404.0
60°	4591.2	3802.9	1440.1	440.0	364.7	388.7	418.2	435.6	433.5	412.7	401.8
62.5°	4918.7	3966.7	1214.1	377.8	336.3	376.7	408.3	416.0	406.2	398.5	392.0
65°	5098.9	4007.0	941.2	336.3	313.4	360.3	396.3	402.9	388.7	388.7	383.2
67.5°	5069.4	3877.1	694.4	302.4	293.7	343.9	375.6	390.9	381.1	388.7	380.0
69°	4951.5	3728.6	545.9	285.0	283.9	330.8	363.6	381.1	373.4	384.3	373.4
70°	4812.8	3579.0	482.6	275.1	274.1	321.0	355.9	373.4	364.7	373.4	363.6
72.5°	4281.1	3071.3	346.1	247.8	251.1	301.3	337.4	350.5	342.8	345.0	331.9
75°	3422.9	2283.0	274.1	224.9	228.2	278.4	316.6	324.3	318.8	309.0	301.3
77.5°	2406.4	1471.8	224.9	204.2	205.3	251.1	294.8	293.7	285.0	275.1	265.3
80°	1312.4	692.2	191.1	179.1	182.3	223.8	263.1	259.9	248.9	239.1	227.1
82.5°	567.8	279.5	148.5	143.0	152.9	187.8	226.0	217.3	207.4	211.8	164.9
85°	101.5	96.1	86.3	91.7	103.7	133.2	159.4	151.8	146.3	124.5	114.6
87.5°	8.7	13.1	13.1	16.4	22.9	25.1	44.8	32.8	33.8	13.1	6.6
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)