

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: P413838

Luminaire Tested: **LXF.LXT-PA1-100-740-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413838
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-PA1-100-740-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 10041 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 96
Input Voltage (V): NR
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: 28.75 FT

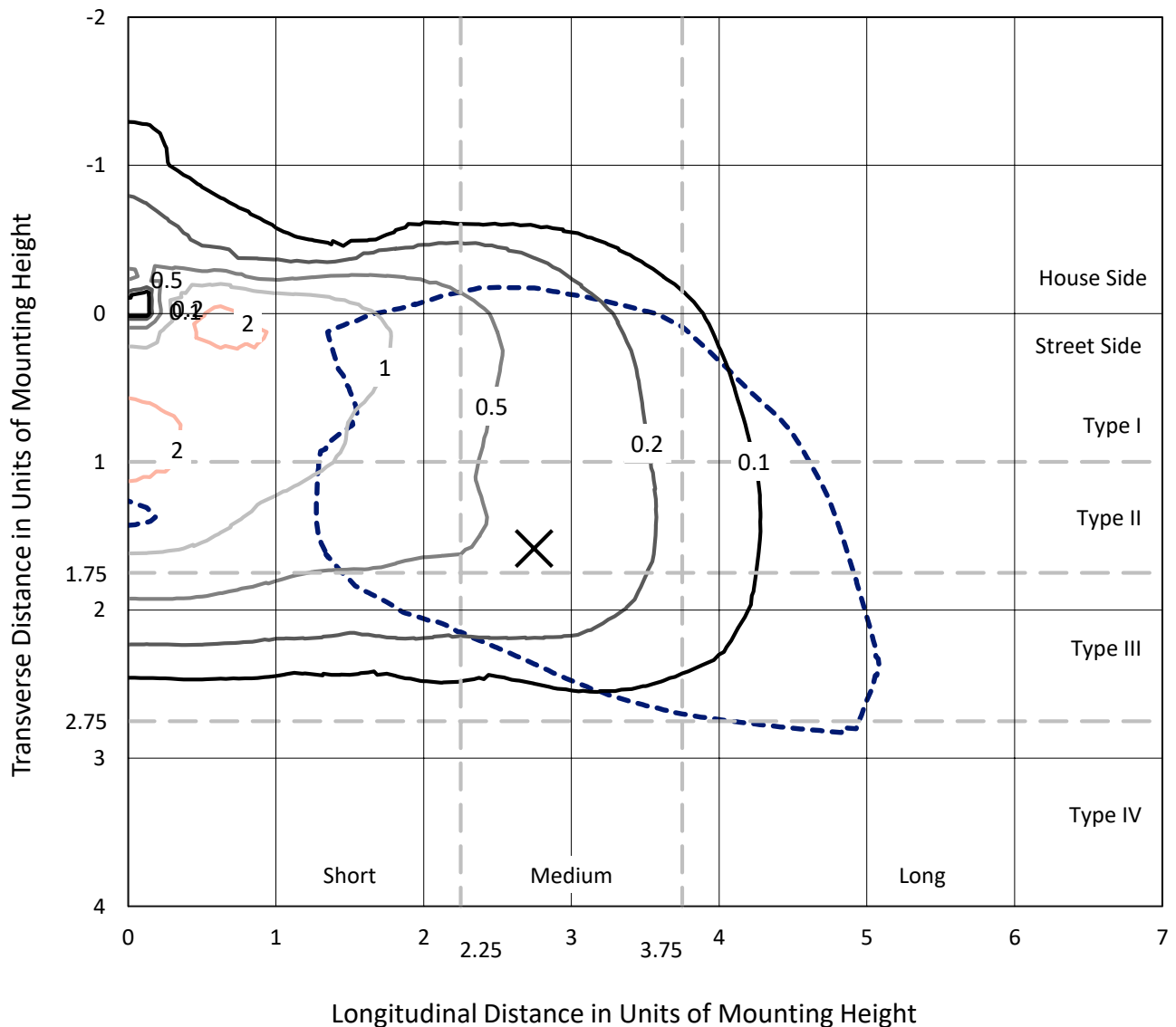


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

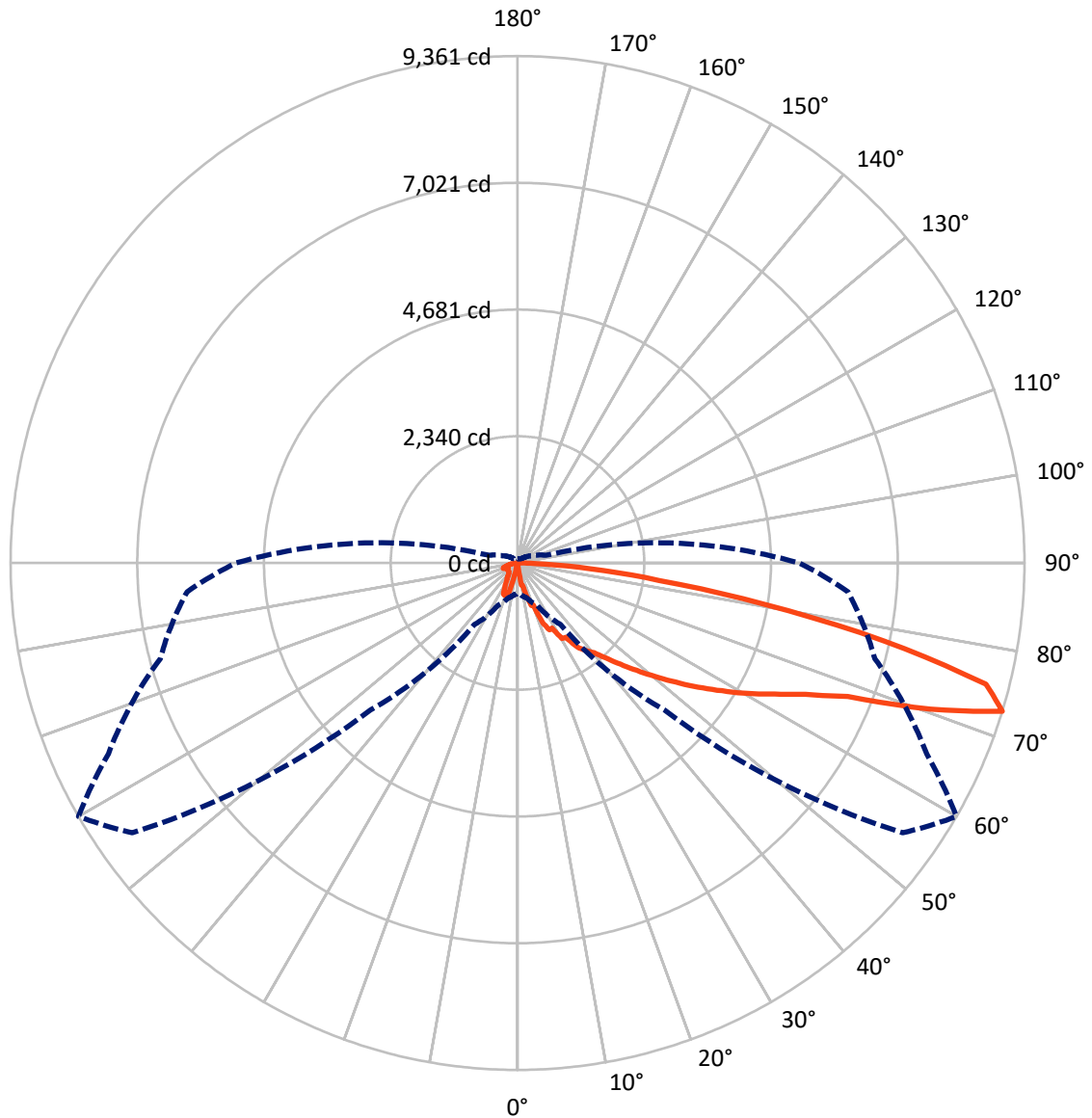


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - Non-Cutoff

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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
House Side	Lumens	1446.0	0.0	1446.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	8595.0	0.0	8595.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	10041.0	0.0	10041.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	146.4	1.5
20°-30°	440.8	4.4
30°-40°	871.9	8.7
40°-50°	1444.2	14.4
50°-60°	2157.4	21.5
60°-70°	2566.5	25.6
70°-80°	2054.5	20.5
80°-90°	348.7	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°	10041.0	100.0
0°-180°	10041.0	100.0



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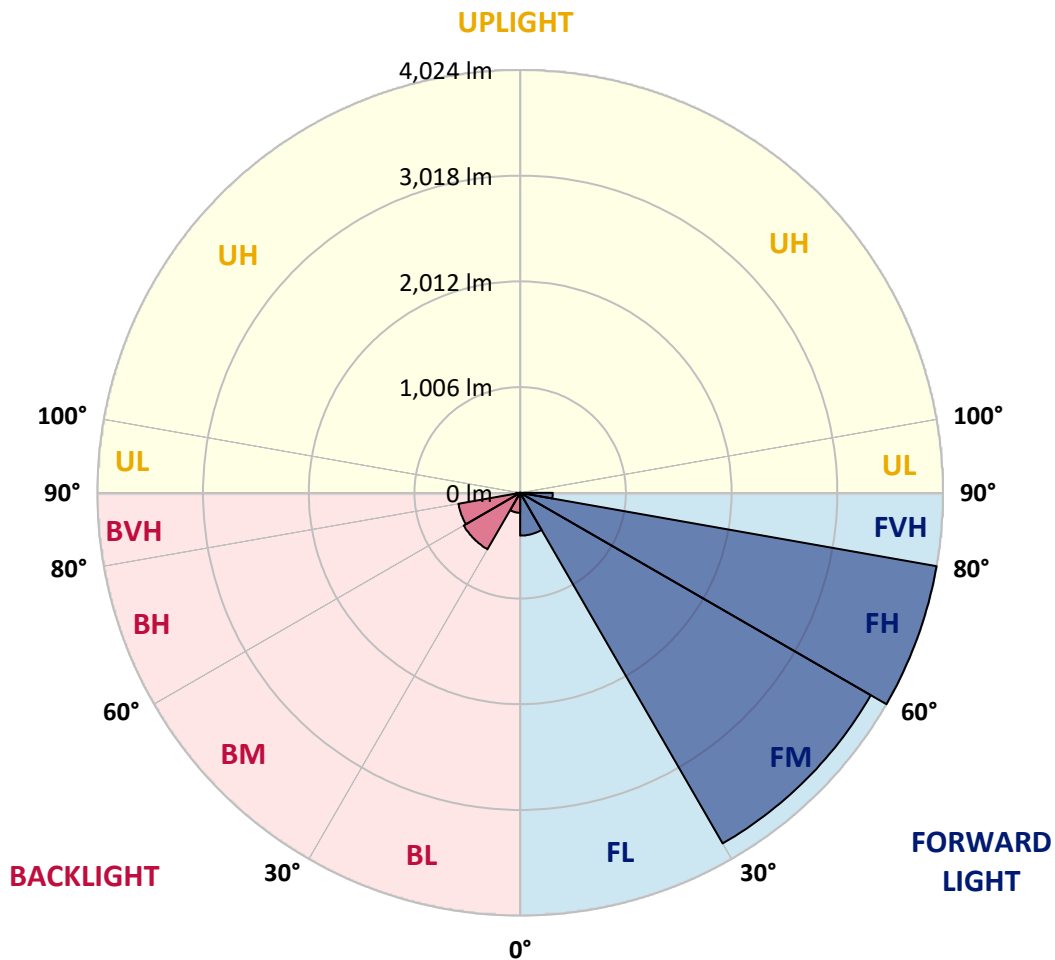
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.5	4.1			
FM	(30°-60°)	3853.1	38.4			
FH	(60°-80°)	4024.1	40.1			G2/5000
FVH	(80°-90°)	310.3	3.1			G3/500
BL	(0°-30°)	190.3	1.9	B1/500		
BM	(30°-60°)	620.4	6.2	B1/1000		
BH	(60°-80°)	596.9	5.9	B2/1000		G2/1000
BVH	(80°-90°)	38.4	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	5.5	5.5	6.6	7.7	7.7	6.6	5.5	5.5	5.5	4.4	5.5
5°	375.2	189.2	126.9	60.2	44.8	21.9	8.8	6.6	6.6	5.5	5.5
7.5°	431.0	431.0	432.1	436.5	439.7	441.9	54.7	28.4	10.9	5.5	5.5
10°	415.7	412.4	414.6	419.0	423.3	429.9	437.6	415.7	49.2	8.8	6.6
12.5°	767.9	765.7	739.5	450.7	417.9	417.9	428.8	429.9	338.0	32.8	31.7
15°	740.6	739.5	742.7	750.4	762.4	432.1	438.6	638.8	832.4	586.3	681.5
17.5°	761.3	752.6	732.9	728.5	739.5	694.6	817.1	827.0	845.6	673.8	690.2
20°	1044.7	1041.4	1041.4	877.3	723.1	1010.7	959.3	828.1	849.9	974.6	1220.8
22.5°	1041.4	1035.9	1028.2	1027.2	1178.1	983.4	998.7	1197.8	1245.9	1428.6	1379.4
25°	1415.5	1401.3	1186.9	1034.8	1170.5	1101.5	1334.5	1369.5	1266.7	1482.2	1411.1
27.5°	1536.9	1509.6	1441.7	1321.4	1179.2	1338.9	1332.3	1360.8	1396.9	2025.9	1939.5
30°	2087.1	1958.0	1594.9	1534.7	1410.0	1355.3	1518.3	1617.9	1764.4	1984.3	2020.4
32.5°	2335.4	2288.4	2111.2	1889.1	1647.4	1463.6	1660.5	1635.4	1777.6	2412.0	2590.3
35°	2871.4	2813.5	2327.8	2127.6	1915.4	1794.0	1707.5	1909.9	2084.9	2508.3	2639.5
37.5°	2976.5	2963.3	2850.7	2491.9	2207.5	1972.3	1998.5	2053.2	2167.0	2642.8	2778.5
40°	3058.5	3059.6	3092.4	2782.8	2476.5	2258.9	2180.1	2181.2	2278.6	2863.8	2956.8
42.5°	3275.1	3283.8	3372.4	3042.1	2802.5	2593.6	2456.9	2396.7	2471.1	3117.6	3175.5
45°	3665.6	3645.9	3721.4	3309.0	3047.6	2868.2	2758.8	2666.9	2706.3	3387.8	3454.5
47.5°	4156.8	4115.2	4090.0	3641.5	3314.5	3160.2	3058.5	2962.2	2974.3	3645.9	3773.9
50°	4536.3	4515.5	4385.4	3893.1	3544.2	3454.5	3411.8	3292.6	3241.2	3933.6	4139.2
52.5°	4698.2	4678.5	4517.7	4083.5	3725.8	3735.6	3810.0	3654.7	3510.3	4245.4	4487.1
55°	4669.8	4653.4	4547.3	4177.5	3857.0	4006.9	4201.6	4046.3	3859.2	4539.6	4841.5
57.5°	4459.8	4467.4	4466.3	4184.1	3957.7	4261.8	4584.5	4451.0	4228.9	4831.7	5129.2
60°	3995.9	4036.4	4187.4	4137.1	4085.6	4502.4	4956.4	4894.0	4658.8	5152.2	5395.0
62.5°	3200.7	3280.6	3610.9	3880.0	4188.5	4839.3	5319.5	5327.2	5104.1	5400.5	5600.7
65°	2159.3	2152.8	2645.0	3312.3	4067.1	5368.8	5862.1	5846.8	5516.4	5683.8	5903.7
67.5°	1200.0	1226.2	1548.9	2192.1	3600.0	5696.9	6903.5	6575.3	6085.3	6115.9	6329.2
70°	742.7	774.5	882.8	1225.1	2304.8	5314.1	8241.3	8088.2	7136.5	6689.1	6500.9
72.5°	564.4	581.9	669.5	868.5	1387.0	3843.9	8685.4	9361.4	8335.4	6830.2	6126.8
75°	336.9	357.7	476.9	750.4	1156.2	1989.8	7530.3	8932.6	8716.0	6740.5	5346.9
77.5°	210.0	215.5	257.1	524.0	1065.4	1252.5	5158.7	6918.8	7103.7	5709.0	3778.3
80°	160.8	161.9	177.2	278.9	860.9	1185.8	2987.4	4620.6	4528.7	3048.6	1484.4
82.5°	101.7	108.3	137.8	170.6	409.1	1156.2	1765.5	2630.8	2315.7	824.8	413.5
85°	51.4	58.0	97.4	117.0	198.0	1252.5	1252.5	1348.8	948.4	276.8	156.4
87.5°	8.8	8.8	13.1	30.6	39.4	212.2	350.0	305.2	201.3	37.2	30.6
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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	5.5	5.5	5.5	4.4	3.3	2.2	1.1	1.1	1.1	2.2	2.2
5°	5.5	5.5	5.5	4.4	3.3	2.2	1.1	1.1	2.2	3.3	3.3
7.5°	5.5	5.5	5.5	4.4	3.3	3.3	2.2	4.4	9.8	128.0	86.4
10°	6.6	6.6	6.6	5.5	4.4	12.0	374.1	394.9	396.0	393.8	389.4
12.5°	35.0	38.3	28.4	9.8	40.5	375.2	359.9	342.4	335.8	328.2	328.2
15°	691.3	682.6	644.3	474.7	291.0	334.7	300.8	277.8	431.0	425.5	429.9
17.5°	693.5	678.2	623.5	679.3	630.1	300.8	341.3	370.8	350.0	342.4	345.7
20°	1315.9	1244.8	632.3	633.4	540.4	533.8	289.9	273.5	276.8	283.3	285.5
22.5°	1340.0	1258.0	970.3	820.4	463.8	427.7	296.4	237.4	351.1	390.5	394.9
25°	1350.9	1248.1	916.7	726.3	524.0	320.5	286.6	260.3	320.5	359.9	362.1
27.5°	1909.9	1730.5	1252.5	616.9	404.7	281.1	268.0	245.0	287.7	356.6	357.7
30°	1893.5	1682.4	1160.6	597.3	312.9	259.2	231.9	256.0	271.3	289.9	289.9
32.5°	2462.3	2159.3	1287.5	481.3	262.5	215.5	218.8	233.0	234.1	276.8	280.0
35°	2463.4	2112.3	1109.2	439.7	225.3	196.9	200.2	215.5	238.5	265.8	270.2
37.5°	2501.7	2091.5	956.1	342.4	225.3	196.9	190.3	205.6	222.1	260.3	264.7
40°	2582.7	2100.3	810.6	284.4	217.7	193.6	188.1	200.2	219.9	241.7	243.9
42.5°	2720.5	2149.5	672.7	257.1	212.2	193.6	180.5	189.2	200.2	245.0	249.4
45°	2939.3	2254.5	566.6	246.1	210.0	186.0	171.7	173.9	181.6	289.9	301.9
47.5°	3195.2	2400.0	474.7	240.7	206.7	178.3	158.6	160.8	178.3	329.3	345.7
50°	3490.6	2615.5	420.1	239.6	203.5	167.4	148.8	160.8	196.9	328.2	335.8
52.5°	3837.3	2834.2	390.5	243.9	201.3	157.5	154.2	180.5	187.1	263.6	263.6
55°	4149.1	3077.1	392.7	247.2	194.7	157.5	158.6	153.1	147.7	181.6	182.7
57.5°	4455.4	3318.8	428.8	240.7	184.9	158.6	136.7	125.8	128.0	154.2	157.5
60°	4721.2	3551.8	537.1	226.4	176.1	143.3	126.9	118.1	120.3	155.3	158.6
62.5°	5007.8	3836.2	743.8	231.9	175.0	135.6	118.1	108.3	112.7	129.1	131.3
65°	5395.0	4233.3	929.8	273.5	181.6	131.3	108.3	102.8	103.9	105.0	105.0
67.5°	5774.6	4478.4	897.0	322.7	203.5	129.1	102.8	96.3	95.2	95.2	95.2
70°	5737.4	4212.5	711.0	342.4	221.0	129.1	98.4	89.7	87.5	87.5	87.5
72.5°	5200.3	3603.2	545.8	317.2	203.5	123.6	91.9	82.0	78.8	78.8	78.8
75°	4424.8	2890.0	458.3	275.7	166.3	106.1	80.9	73.3	71.1	71.1	70.0
77.5°	2826.6	1708.6	389.4	224.2	128.0	86.4	70.0	63.4	63.4	63.4	60.2
80°	1134.4	751.5	303.0	177.2	99.5	68.9	58.0	54.7	53.6	52.5	49.2
82.5°	431.0	370.8	196.9	129.1	76.6	52.5	47.0	43.8	43.8	42.7	37.2
85°	154.2	144.4	90.8	74.4	47.0	32.8	36.1	32.8	31.7	28.4	24.1
87.5°	32.8	36.1	25.2	16.4	16.4	9.8	12.0	13.1	13.1	12.0	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)