

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: P416490

Luminaire Tested: **LXF.LXT-PA1-70-827-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416490
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-PA1-70-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 6185 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

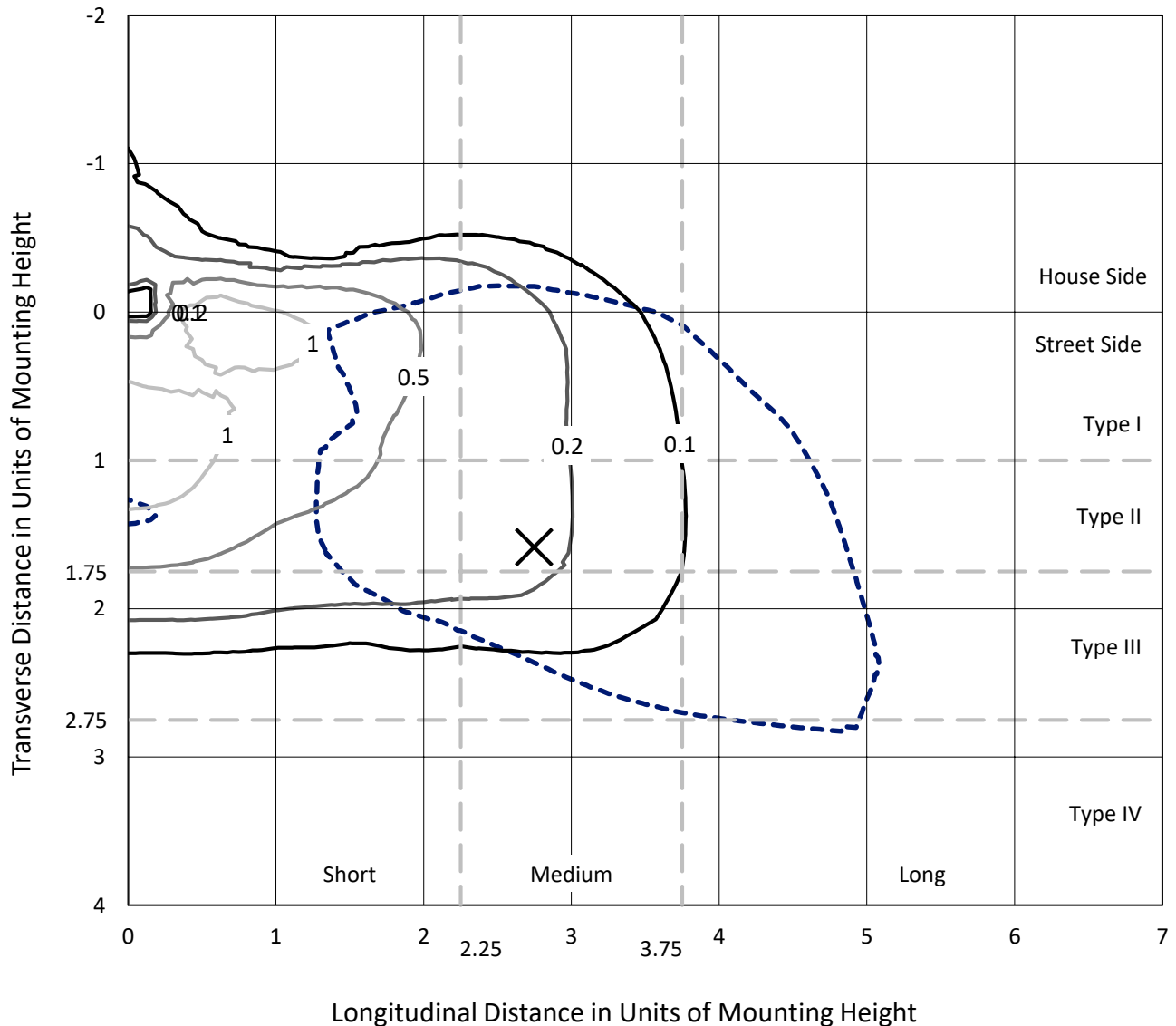
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

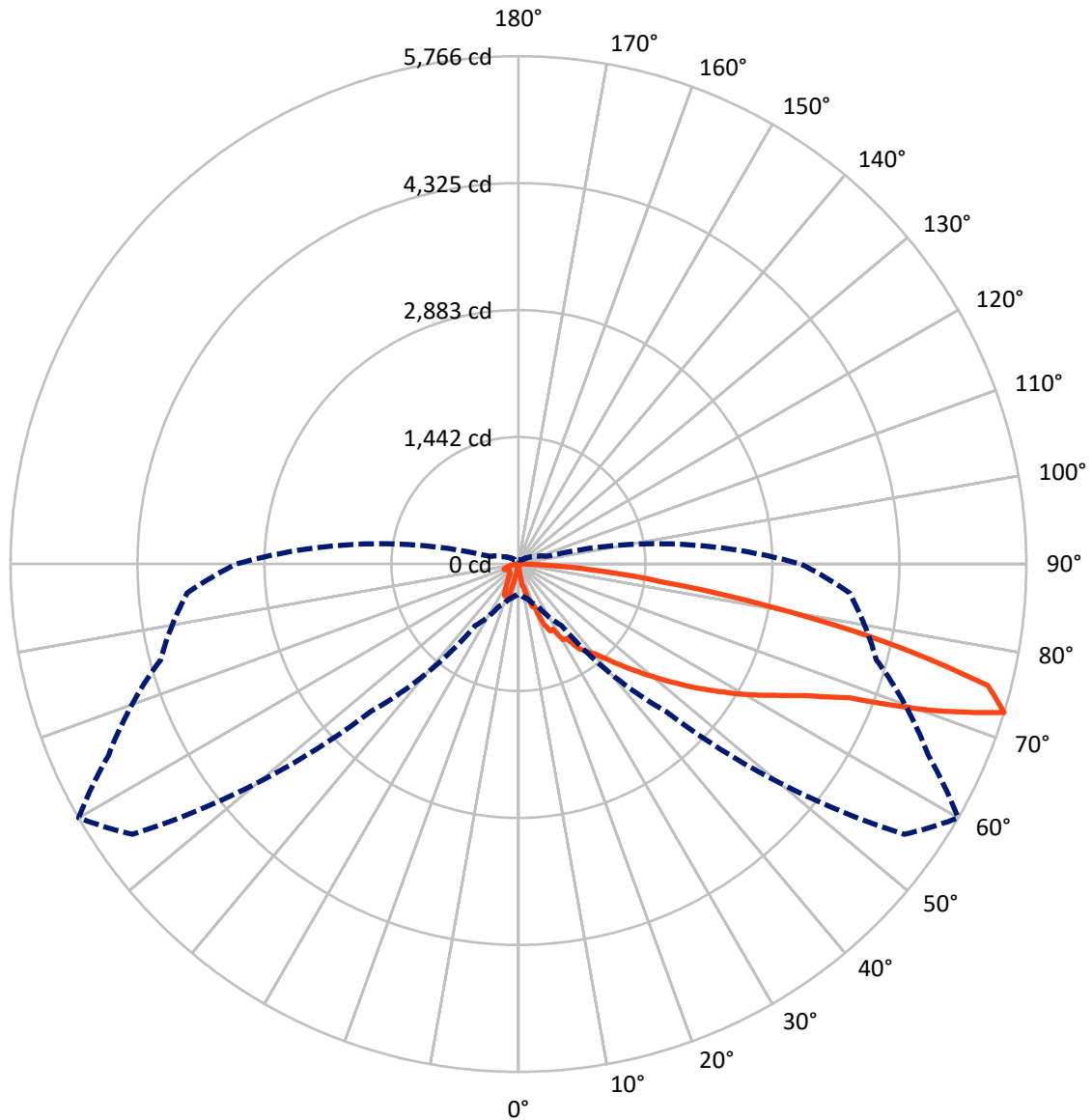
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	890.7	0.0	890.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5294.3	0.0	5294.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	6185.0	0.0	6185.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	90.2	1.5
20°-30°	271.5	4.4
30°-40°	537.0	8.7
40°-50°	889.6	14.4
50°-60°	1328.9	21.5
60°-70°	1580.9	25.6
70°-80°	1265.5	20.5
80°-90°	214.8	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°	6185.0	100.0
0°-180°	6185.0	100.0



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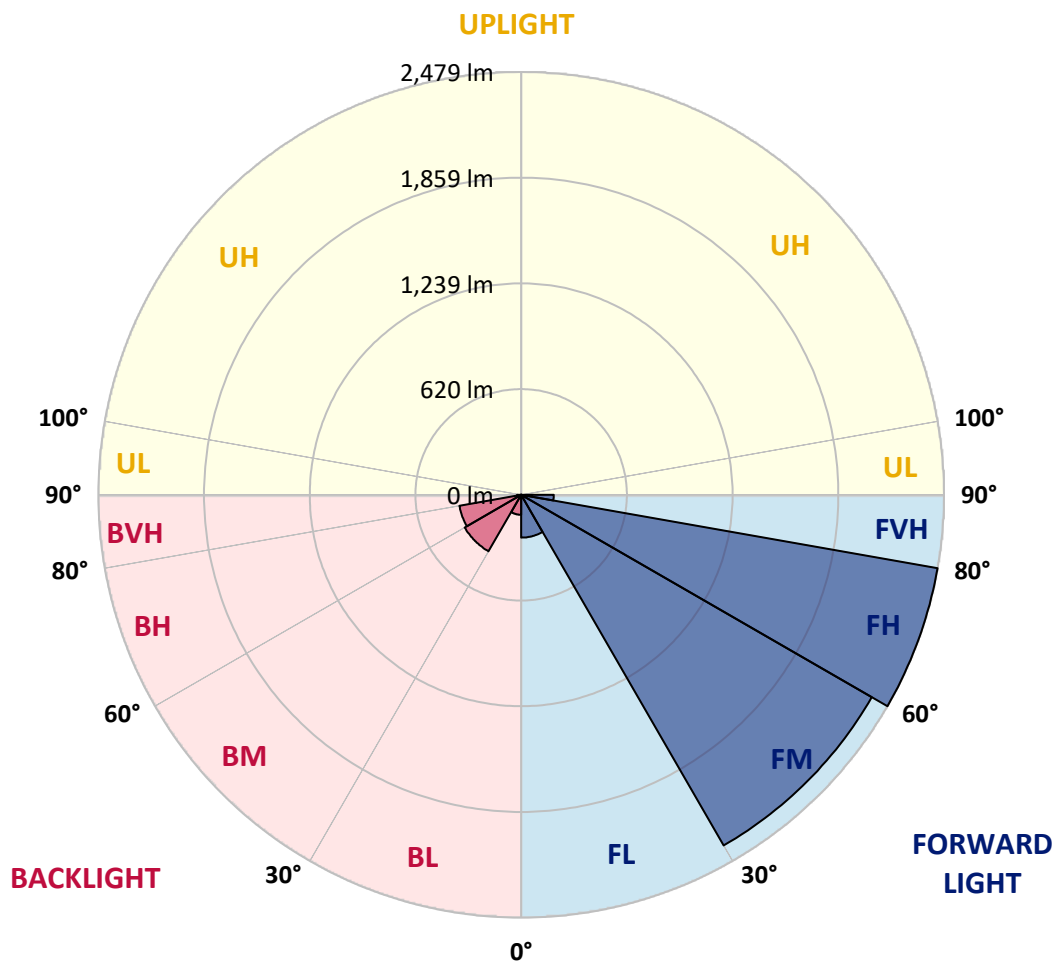
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.0	4.1			
FM	(30°-60°)	2373.4	38.4			
FH	(60°-80°)	2478.8	40.1			G2/5000
FVH	(80°-90°)	191.1	3.1			G2/225
BL	(0°-30°)	117.2	1.9	B1/500		
BM	(30°-60°)	382.2	6.2	B1/1000		
BH	(60°-80°)	367.7	5.9	B1/500		G1/500
BVH	(80°-90°)	23.7	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.4	3.4	4.0	4.7	4.7	4.0	3.4	3.4	3.4	2.7	3.4
5°	231.1	116.6	78.2	37.1	27.6	13.5	5.4	4.0	4.0	3.4	3.4
7.5°	265.5	265.5	266.2	268.8	270.9	272.2	33.7	17.5	6.7	3.4	3.4
10°	256.0	254.0	255.4	258.1	260.8	264.8	269.5	256.0	30.3	5.4	4.0
12.5°	473.0	471.7	455.5	277.6	257.4	257.4	264.1	264.8	208.2	20.2	19.5
15°	456.2	455.5	457.5	462.2	469.6	266.2	270.2	393.5	512.8	361.2	419.8
17.5°	469.0	463.6	451.4	448.8	455.5	427.9	503.3	509.4	520.8	415.1	425.2
20°	643.5	641.5	641.5	540.4	445.4	622.6	590.9	510.1	523.5	600.4	752.0
22.5°	641.5	638.1	633.4	632.7	725.7	605.7	615.2	737.8	767.5	880.0	849.7
25°	871.9	863.1	731.1	637.4	721.0	678.5	822.0	843.6	780.3	913.0	869.2
27.5°	946.7	929.8	888.1	814.0	726.4	824.7	820.7	838.2	860.4	1247.9	1194.7
30°	1285.6	1206.1	982.4	945.3	868.5	834.8	935.2	996.6	1086.8	1222.3	1244.5
32.5°	1438.6	1409.6	1300.4	1163.7	1014.7	901.5	1022.8	1007.3	1094.9	1485.7	1595.6
35°	1768.7	1733.0	1433.9	1310.5	1179.8	1105.0	1051.8	1176.5	1284.3	1545.0	1625.9
37.5°	1833.4	1825.3	1755.9	1534.9	1359.7	1214.9	1231.0	1264.7	1334.8	1627.9	1711.5
40°	1884.0	1884.6	1904.8	1714.2	1525.5	1391.4	1342.9	1343.6	1403.5	1764.0	1821.3
42.5°	2017.4	2022.8	2077.3	1873.8	1726.3	1597.6	1513.4	1476.3	1522.1	1920.3	1956.1
45°	2257.9	2245.8	2292.3	2038.3	1877.2	1766.7	1699.3	1642.7	1667.0	2086.8	2127.9
47.5°	2560.5	2534.8	2519.4	2243.1	2041.6	1946.6	1884.0	1824.7	1832.1	2245.8	2324.6
50°	2794.3	2781.5	2701.3	2398.1	2183.1	2127.9	2101.6	2028.1	1996.5	2423.0	2549.7
52.5°	2894.0	2881.9	2782.8	2515.3	2295.0	2301.0	2346.9	2251.2	2162.2	2615.0	2763.9
55°	2876.5	2866.4	2801.0	2573.3	2375.8	2468.1	2588.1	2492.4	2377.2	2796.3	2982.3
57.5°	2747.1	2751.8	2751.1	2577.3	2437.8	2625.1	2823.9	2741.7	2604.9	2976.2	3159.5
60°	2461.4	2486.3	2579.3	2548.3	2516.7	2773.4	3053.0	3014.6	2869.7	3173.6	3323.2
62.5°	1971.5	2020.7	2224.2	2390.0	2580.0	2980.9	3276.7	3281.4	3144.0	3326.6	3449.9
65°	1330.1	1326.0	1629.3	2040.3	2505.2	3307.0	3610.9	3601.5	3398.0	3501.1	3636.5
67.5°	739.2	755.3	954.1	1350.3	2217.5	3509.2	4252.4	4050.2	3748.4	3767.2	3898.6
70°	457.5	477.1	543.8	754.7	1419.7	3273.3	5076.4	4982.1	4395.9	4120.3	4004.4
72.5°	347.7	358.5	412.4	535.0	854.4	2367.7	5350.0	5766.4	5134.4	4207.2	3774.0
75°	207.5	220.3	293.8	462.2	712.2	1225.6	4638.5	5502.3	5368.9	4152.0	3293.5
77.5°	129.4	132.7	158.3	322.8	656.3	771.5	3177.7	4261.8	4375.7	3516.6	2327.3
80°	99.0	99.7	109.2	171.8	530.3	730.4	1840.2	2846.1	2789.5	1877.9	914.4
82.5°	62.7	66.7	84.9	105.1	252.0	712.2	1087.5	1620.5	1426.4	508.0	254.7
85°	31.7	35.7	60.0	72.1	122.0	771.5	771.5	830.8	584.2	170.5	96.4
87.5°	5.4	5.4	8.1	18.9	24.3	130.7	215.6	188.0	124.0	22.9	18.9
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.4	3.4	3.4	2.7	2.0	1.3	0.7	0.7	0.7	1.3	1.3
5°	3.4	3.4	3.4	2.7	2.0	1.3	0.7	0.7	1.3	2.0	2.0
7.5°	3.4	3.4	3.4	2.7	2.0	2.0	1.3	2.7	6.1	78.8	53.2
10°	4.0	4.0	4.0	3.4	2.7	7.4	230.4	243.2	243.9	242.6	239.9
12.5°	21.6	23.6	17.5	6.1	24.9	231.1	221.7	210.9	206.9	202.1	202.1
15°	425.8	420.5	396.9	292.4	179.2	206.2	185.3	171.1	265.5	262.1	264.8
17.5°	427.2	417.8	384.1	418.4	388.1	185.3	210.2	228.4	215.6	210.9	212.9
20°	810.6	766.8	389.5	390.1	332.9	328.8	178.6	168.5	170.5	174.5	175.9
22.5°	825.4	774.9	597.7	505.4	285.7	263.5	182.6	146.2	216.3	240.5	243.2
25°	832.1	768.8	564.6	447.4	322.8	197.4	176.5	160.4	197.4	221.7	223.0
27.5°	1176.5	1066.0	771.5	380.0	249.3	173.2	165.1	150.9	177.2	219.7	220.3
30°	1166.4	1036.3	714.9	367.9	192.7	159.7	142.8	157.7	167.1	178.6	178.6
32.5°	1516.7	1330.1	793.1	296.5	161.7	132.7	134.8	143.5	144.2	170.5	172.5
35°	1517.4	1301.1	683.2	270.9	138.8	121.3	123.3	132.7	146.9	163.7	166.4
37.5°	1541.0	1288.3	588.9	210.9	138.8	121.3	117.2	126.7	136.8	160.4	163.1
40°	1590.8	1293.7	499.3	175.2	134.1	119.3	115.9	123.3	135.4	148.9	150.3
42.5°	1675.7	1324.0	414.4	158.3	130.7	119.3	111.2	116.6	123.3	150.9	153.6
45°	1810.5	1388.7	349.0	151.6	129.4	114.5	105.8	107.1	111.9	178.6	186.0
47.5°	1968.2	1478.3	292.4	148.2	127.3	109.8	97.7	99.0	109.8	202.8	212.9
50°	2150.1	1611.1	258.7	147.6	125.3	103.1	91.6	99.0	121.3	202.1	206.9
52.5°	2363.7	1745.8	240.5	150.3	124.0	97.0	95.0	111.2	115.2	162.4	162.4
55°	2555.7	1895.4	241.9	152.3	119.9	97.0	97.7	94.3	91.0	111.9	112.5
57.5°	2744.4	2044.3	264.1	148.2	113.9	97.7	84.2	77.5	78.8	95.0	97.0
60°	2908.1	2187.8	330.8	139.5	108.5	88.3	78.2	72.8	74.1	95.7	97.7
62.5°	3084.7	2363.0	458.2	142.8	107.8	83.6	72.8	66.7	69.4	79.5	80.9
65°	3323.2	2607.6	572.7	168.5	111.9	80.9	66.7	63.3	64.0	64.7	64.7
67.5°	3557.0	2758.6	552.5	198.8	125.3	79.5	63.3	59.3	58.6	58.6	58.6
70°	3534.1	2594.8	438.0	210.9	136.1	79.5	60.6	55.3	53.9	53.9	53.9
72.5°	3203.3	2219.5	336.2	195.4	125.3	76.1	56.6	50.5	48.5	48.5	48.5
75°	2725.5	1780.2	282.3	169.8	102.4	65.4	49.9	45.1	43.8	43.8	43.1
77.5°	1741.1	1052.5	239.9	138.1	78.8	53.2	43.1	39.1	39.1	39.1	37.1
80°	698.7	462.9	186.6	109.2	61.3	42.4	35.7	33.7	33.0	32.3	30.3
82.5°	265.5	228.4	121.3	79.5	47.2	32.3	29.0	27.0	27.0	26.3	22.9
85°	95.0	88.9	55.9	45.8	29.0	20.2	22.2	20.2	19.5	17.5	14.8
87.5°	20.2	22.2	15.5	10.1	10.1	6.1	7.4	8.1	8.1	7.4	4.0
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)